

# STANDARDIZATION OF WORK MEASUREMENT

Defense Work Measurement Standard Time Data Program

**VOLUME X** 

UNIVERSAL

(COMMON TO TWO OR MORE OCCUPATIONS)

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15 Apr 77

### **FOREWORD**

This volume of DoD 5010.15.1-M, "Standardization of Work Measurement", is one of a series published under the authority of DoD Directive 5010.31, Productivity Enhancement, Measurement, and Evaluation. It provides standard time data for Universal Occupations and includes guidelines for uniform application.

Maximum use of the guidelines and standard time data is mandatory at each Department of Defense activity where Labor Performance Standards are developed and applied.

All of the included standard time data have been reviewed and approved by a Joint Service/Agency Standard Time Data Group prior to publication.

Director

Defense Industrial Resources

Support Office

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This DoD manual supersedes DoD 5010.15.1-M, Volume X,9 Apr 74 and Change 1 \*Denotes Changes

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# DEFENSE WORK MEASUREMENT STANDARD TIME DATA PROGRAM (DWNSTDP)

# STANDARD TIME DATA FOR UNIVERSAL APPLICATION

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# DATA PROGRAM (DWMSTDP)

#### UNIVERSAL

PART ONE - GUIDANCE

### CHAPTER I - GENERAL INFORMATION

### 1.1 PURPOSE

This volume of Universal Standard Time Data is one of eleven volumes included in DWMSTDP. It is termed "Universal" because it provides a single DoD source for standard time data elements which can be used in the development of labor standards in several occupation categories.

### 1.2 SCOPE

This publication applies to all military services and defense agencies. The data contained herein will be used to the maximum extent possible in the development of labor performance standards.

### 1.3 APPLICATION

The Universal Standard Time Data contained in this volume are to be applied in accordance with the general instructions contained in the Basic Volume and the specific instructions contained in this volume.

### 1.4 SUBMISSION OF NEW ELEMENTS

All newly developed or existing Universal Standard Time Data elements not now included herein should be submitted with back-up motion pattern analysis to the Defense Industrial Resources Support Office (DIRSO), for review, coordination, and inclusion in the updating changes to this volume. The Basic Volume contains procedures for submitting these data elements.

#### CHAPTER II - CODING

### 2.1 GENERAL

- 2.1.1 Information requirements applicable to DWMSTDP have been standardized. Applicable DoD Standard Data elements have been utilized and all other data elements have been proposed for data representation standardization action in accordance with the provisions of DoD Instruction 5000.15, "Data Elements and Codes Standardization Procedures" and DoD 5000.15-M.
  - 2.1.2 The complete coding structure for a Defense Work Measurement Standard Time Data element is explained in the Basic Volume. Figure 1 highlights the Occupation Code, the Work Category Code, and the Work Sub-Category Code of a Universal element.

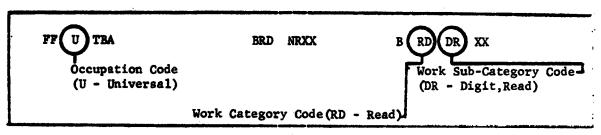


Figure 1 - DWMSTDP Coding Structure

### 2.2 TYPES OF CODES

### 2.2.1 Occupation Code

The Occupation Code "U" (for Universal) is used for standard time data elements in this volume. This code identifies general purpose elements such as get, place, read, write, which are found in a broad spectrum of occupations but are not specific to any.

### 2.2.2 Work Category Code

The two position Work Category Code encircled in Figure 1 further identifies the various types of work performed within the occupation groups. This classification category indicates the major action being performed or major equipment involved in the standard time data element. Pigure 2 lists and defines the work categories used in coding Universal Standard Time Data.

### 2.2.3 Work Sub-Category Code

The two position Work Sub-Category Code encircled in Figure 1 is a sub-division of the Work Category Code and identifies the object, process, or condition associated with the action or equipment. This code is generally oriented to a noun-verb relationship, e.g., DR is the code for "Digit, Read" in the element description header line. However, where the element consists of general purpose data or if the noun-verb sequence causes a duplication of the code, the work sub-category sequence is modified, e.g., MIDSAXX-Stemp(Rubber), Apply, MIDSAO1-Stencil, Apply. The noun-verb sequence will remain in the verbage of the element whenever possible.

	UNIVERSA	L WORK CATEGORY CODES
Work Category	Code	<u>Definition</u>
Actuate	AC	Manual manipulation of an object for engaging disengaging, starting, or stopping a device. (Examples: crank, dial, set with knob, move lever.)
	·	The process of manipulating an object by cranking, turning, or moving through a fixed part.
		Putting something else in action by handling a switch or control.
Body Motion	ВМ	Gross foot, leg, and body movement (other that basic manual and eye motions. (Examples: leg motion, horizontal change, sit and stand, vertical change, walk.)
Clean	CL	The removal of foreign matter by chemical, mechanical, or manual process. (Examples: ultrasonic cleaning, abrasive cleaning, solvent, rubbing, wiping, sweeping.)
Clamp	CP	The actions required to accomplish the non- manual holding of object(s) with a clamp when required for repairing, modifying, manufac- turing or assembly operations (Examples: "C", cleco, spring, hose, cable, conduit, etc.).
Disassembly/Assembly	DA.	The action(s) required to remove, install or replace assemblies or components parts when the primary purpose is to place an object(s) or part(s) on or into another object or part so that they fit, connect or are secured to each other to form a unit. These actions do not include fabrication of parts or items. This category generally applies to special or higher level data.
Dip	DP	Motions necessary to dip or immerse an object in liquid or paste and/or remove excess. (Examples: dip brush, cloth, stick, parts, dip hand, finger.)
Elemental	EL	Miscellaneous manual motions and factors not included in the get and body motion tables. (Examples: apply pressure, disengage, weight factors.)

Figure 2 - Major Categories of Work Used in Coding Universal Data

	Universa	L WORK CATEGORY CODES
Work Category	Code	<u>Definitions</u>
Equipment - Transport Vehicle	EV	The operation or preparation for use of any powered over-the-road transport vehicle for transportation of personnel or cargo. (Examples: automobile, bus, pickup truck, truck trailer, and railcar.)
Gauge and Measure	GM	The procedure by which the size, amount, extent, or capacity of an item is determined. (Examples: bisect, gauge, square, weigh.)
Get	<b>GT</b>	The combination of reaching and grasping motions to gain control of one or more object(s) using the hand(s) or fingers.  (Examples: easily grasped object in fixed location, - in a variable location.)
Identify	<b>ID</b> :	The process and motions required to stamp, tab, label, or mark documents, cards, folders, or objects to provide for locating, recognizing, or comparing.
		The actions necessary to recognize, match, or compare similar characteristics.
Inspect and Test	IT .	The procedure or action by which an item is subjected to comparisons or measurements to determine its qualities for use. (Examples: use of bore indicating gauge, use of feeler gauge, use of micrometers, eye times, check mandrel for run-out.)
Job Preparation	JP	The actions required to prepare an object(s), work place, or employee(s), or any combination of the three for ensuing work. NOTE: Excluded from this category are layout, packaging, and machine setup.
Layout	IO	Laying out straight lines or radii including drawing or scribing on any appropriate material. (Examples: measuring with scale or taps to locate points by intersecting lines, chalk line layout, surface preparation using layout dye.)
Lubricate	LU	The application of a lubricant using fingers or lubricating device. (Examples: brush, grease gun, oil can, tube.)

Figure 2 - Major Categories of Work Used in Coding Universal Data (Continued)

	universa	L WORK CATEGORY CODES
Work Category	Code	<u>Definitions</u>
Materials Handling - Devices	MH	The process of locating, relocating, position- ing, and aligning mechanical devices such as conveyors, pallet jacks, hoists, carts, slings, etc., for the purpose of moving objects or moving the device out of the way.
Non-threaded Fastener	NF	The permanent or semi-permanent holding or locking of mating objects by other than threads or clamping actions.
Office General	OG	The processes and motions covering a large variety of actions commonly occurring in any office which have not been included in other categories.
Object Handling	OFE	The process of manually moving an object for the purpose of changing its location or align- ment. The movement path may or may not be fixed.
Paint	PA	To cover a surface by applying and spreading a liquid or paste with a brush, spray gun, or roller. (Examples: paint, varnish, lacquer, shellac, wax.)
Paper Handling	PH	The processes and motions involved in the securing, movement, placement, and alignment of paper, cards, sheets, etc.
Package	PK	Preparing an object for shipping or storing or removing object from shipping or storing condition.
Place	PL	The combination of motions to transport and place an object(s) using the hand(s) or fingers. (Examples: place approximate, place close - not symmetrical.)
Read	.RD	Perception and comprehension of readily distinguishable words, letters, or numbers. (Examples: read individual word or number, read sequence of words.)
Surface Treatment	ST	The application of chemicals to an object when the predominant purpose is to change the com- position of its surface.

Figure 2 - Major Categories of Work Used in Coding Universal Data (Continued)

	UNIVERS	AL WORK CATEGORY CODES
Work Category	Code	Definition
Threaded Fastener	TF	Tightening or loosening a threaded object such as a bolt, nut screw, or hand-knob by hand. (Examples: finger turn-per thread, spin tighten or loosen - moderate pressure.
Tool, Use, Hand Operated - Non-Powered	TL	The use or preparation for use of any non- powered implement, instrument or utensil held in the hand and used for cutting, hitting, digging, rubbing, etc. (Examples: knife, saw, hammer, shovel, rake, prybar, needle for sewing.)
Tool, Use, Hand Held - Powered	TP	The use or preparation for use of any hand- held tool which derives its primary power for operation from a source other than the opera- tor or user. (Examples: electric portable saw, portable pneumatic wrench.)
Vising	vs	The action required to accomplish the non- manual holding of object(s) - (with a vise) while repaird, modifications, or manufactur- ing operations are being performed. (Examples: tighten or loosen vise, rotate vise, quick acting vise.)
Wire Handling	WH	Elements of work associated with the buildup, installation or repair of circuitry such as electrical, electronic or telephonic.
Write	WR	Writing or freehand printing numbers, letters, or punctuation of average readable quality and normal size or less than 1" height.  (Examples: write letter - longhand, punctuate, write signs.)

Figure 2 - Major Categories of Work Used in Coding Universal Data (Continued)

### CHAPTER III

### UNIVERSAL DWMSTDP FUNCAMENTAL ELEMENTS

### 3.1 FORMATTED ELEMENTS

The elements are listed in tabular/chart formats for easier use of selected, highly repetitive, common standard time data elements. This type of format is intended for use by analysts/technicians trained in the application of standard time data who do not need to refer to the descriptive element. These same elements are also included in the element listing of the volume (Part Two, Section D), for use by other analysts/technicians not as familiar with applying standard time data to the development of labor standards.

MULTI GI	T TGTOGXX		DISTANCE RANGE IN INCHES						
			f	1-3	3-9	9-15	15-21	21-27	
DESCRIPT	ION	CASE	A	В	C	D	E	F	
RASY	Veciable	A	8	13	22	30	38	47	
	Loose	B	16	21	31	40	49	59	
1	Close	C	26	31	42	50	60	70	
	Exact	D	53	58	68	77	86	97	
	Other Hand	E	14	17	27	36	44	54	
	Threaded Pastener	P	32	37	47	56	65	75	
REGLED	Variable	<u> </u>	15	22	30	38	47	55	
. [	Loose	I H	23	30	39	48	58	67	
	Close	J	33	40	50	58	69	78	
	Exact	K	60	67	76	85	95	105	
	Other Hand Threaded	L	21	26	35	44	53	62	
	Pastener	H	39	46	55	64	74	83	
1740	Variable	N	26	33	41	49	58	66	
ROGLED	Loose	P	34	41	50	59	69	78	
	Close	R	44	51	61	69	80	89	
1	Exact	S	71	78	87	96	106	116	
	Threaded Fastener	т	76	83	92	101	111	120	

MSIC CET TOTOCKY			f   1-3   3-9   9-15   15-21   21-2					
DESCRIPTION		CASE CODE	A	В	С	D	E	F
CONTACT	Fixed	٨	2	4	7	10	12	15
	Variable	, A	2	4	9	13	17	22
EASY	Fixed	c ·	6	8	11	14	16	19
	Variable Location	D	6	8	13	17	21	26
	Additional Object	8	17	19	<u> </u>			
JUMBLED	One Hand	F	13	17	21	25	30	34
	Simo	G	24	28	32	36	41	49
	Additional Object	н	24	28				
	Handful	J	33	35	39	44	48	52

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	Location- w/press	В		13	15	20	24	28	31
LOOSE	Symmetrical	С	6	8	11	16	21	26	31
	Not Sym- metrical	D	9	11	14	19	24	30	35
CLOSE	Symmetrical	E	16	18	21	27	31	37	42
	Not Sym- metrical	P	20	22	25	30	35	40	45
ELACT	Symmetrica	G	43	45	48	53	58	63	69
	Not Sym- metrical	H	47	49	52	57	62	67	72
OTHER HA	ND .	3	6	8	9	14	19	23	28
START	Visible	K	1-	26	29	34	39	44	49
THREADED FASTENER	Blind	L	1	60	63	68	73	78	83

	BAS	CODE	134U	
APPLY •	Case 1		BEL-AP-01	16
PRESSURE	Case 2		BEL-AP-02	11
	Loose		BEL-DE-01	4
	Close		BEL-DE-02	8
:	Tight	BEL-DE-03	23	
REGRASP			BEL-RG-01	6
EYE FOCUS			BEL-EF-01	7
PYP TRAVEL	Per Inc	h at 15" from the Eyes	BEL-ET-Ol	1
	Per Foo	t at 30" from the Eyes	BEL-ET-02	6
	Turn	Up to 90°	BEL-TW-01	4
	Only	90 <sup>5</sup> to 180 <sup>6</sup>	BEL-TW-02	7
TURN		Up to 90° w/pressure	BEL-TW-03	15
URIST	1	90° to 180° v/pressure	BEL-TW-04	18
	Shift	lip to 90°	BEL-TS-01	12
	Grasp	90° to 180°	BEL-TS-02	19
	and	Up to 900 w/pressure	BEL-TS-03	23
	Turn	90° to 180° w/ pressure	BEL-TS-04	29
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CET	Loose	В	18	26	40	53	66	80	
	Close	С	28	. 36	51	63	77	91	
· .	Exact	D	55	63	77	90	103	118	
JUNGLED	Variable	E	17	27	39	51	64	76	
CET	Loose	P	25	35	48	61	75	88	
	Close	G	35	45	59	71	86	99	
	Exact	H	62	72	85	98	112	186	

TABULAR ELEMENTAL - TELMFXX							
EFFECTIVE NET		WEIGHT FIRST (Static & Dynamic)	FACTOR Additional (Dynamic Only)				
	CASE CODE	Α	В				
2 1/2 - 10 Lbs.	A	3	1				
10 - 20 Lbs.		8	2				
20 - 30 Lbs.	C	12	3				
10 - 40 Lbs.	D	17	4				
40 - 50 lbs.	Ε	22	6				

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	1 thru 5 Digits	Piret Dieit	BRD-NR-01	12	Vertical L	Send	Alloc	LOE K	neel /	Ind A	180		VC-O		61
į		Rach Add'1	BED-NR-02	13	Change	Kilee	1 on	oli K		nd Ar	140		-VC-0		146
1					Sit and	Chal	r fla	LONGE					-18-0		108
	6 thru 12 Digits	Piret & Divite	BRD-NH-03	1 35	Stend	Chai	r Koy	d					-88-0		172
Marber		Rach Add'	AND-NE-04	7		Obat	ructo		er Pe	60			-WO-0		17
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	Fractions, Decimals	First Char	380-0R-01	19	L 1				er Te		t		-WU-0		33
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ABULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT  MOVE RD Distance Rim How In Inch 1-3 3-9 9-15 15-21 SHIFT G Distance Rim How In Inch 3-3 3-9 9-15 15-21 Positio Dial or Points FOG OR PUSH	RASP e ed	CAS COD COD CAS COD	R R R R R R R R R R R R R R R R R R R	Page	NO SSURE A 4 8 13 18 CC-WS-IGHT ISTANCA A 12 19 27 34 avel	BAC- BAC- BAC- BAC- BAC- BAC- BAC- BAC-	WITH PRESSUR  14 19 24 28 HEAV RESISTAL  8 16 24 32 -WF-01 -WF-02 -WF-03 -WF-03 -SF-03	E	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 9 13 1 14 1 15 1 16 1 17 1 17 1 17 1 17 1 17 1 17 1 17
ANULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT  MOVE RD Distance Ris Move In Inch 1-3 3-9 9-15 15-21 ENIFT G Distance Ris Move In Inch 1-3 3-9 9-15 15-21 Positio Distance Ris Move Ris Move Ris Move Ris Noch Ris Move Ris Noch Ris Move Ris Noch Ris Move Ris Noch Ris N	PASP e ed BURP No Press	AC-UN- CAS COD and No CAS COD - Figure  Press	TR.  R R R R R R R R R R R R R R R R R R	Page 1 Tole:  Page 1 Tole:  Page 2 Tole:  Pa	NO SSURE A 4 4 8 13 18 UC-WS-GHT STANK A 12 19 34 avel	BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-	WITH PRESSUR  14 19 24 28 HEAV' RESISTAN  16 24 32 40 -WP-01 -WP-02 -WF-03 -SP-03 -SP-03 -SP-03	E 13 24 46 18 22 3 113 3	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 9 13 1 14 1 15 1 16 1 17 1 17 1 17 1 17 1 17 1 17 1 17
TABULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT  MOVE RD Distance Ris Move In Inch 1-3 3-9 9-15 15-21 ENIFT G Distance Ris Move In Inch 1-3 3-9 9-15 15-21 Positio Distance Ris Move Ris Move Ris Move Ris Noch Ris Move Ris Noch Ris Move Ris Noch Ris Move Ris Noch Ris N	RASP ed ed es es ed es es ed es ed es ed es ed es es ed es ed es	AC-UN- CAS COD and No CAS COD - Figure  Press	R R R R R R R R R R R R R R R R R R R	Page  - V  Li  RES  - V  Li  RES  - 2"  to 2"	NO SSURE A 4 8 13 18 CC-WS-IGHT ISTANCA 12 19 27 34 A 12 Trave	BACC-	WITH PRESSUR B 14 19 24 28 HEAV 24 22 4 22 4 22 4 22 4 22 4 22 4 22 4	E 13 24 466 118 22 3 13 3 5 5	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 9 13 1 14 1 15 1 16 1 17 1 17 1 17 1 17 1 17 1 17 1 17
TABULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT MOVE RD Distance Ris Move IA Inch 1-3 3-9 9-15 15-21 ENIFT G Distance Ris Move In Inch 1-3 3-9 9-15 15-21 Position Distance Ris Move Ris M	PASP e ed BURP No Press	AC-UN- CAS COD and No CAS COD - Figure  Press	R R R R R R R R R R R R R R R R R R R	Page 1 Tole:  Page 1 Tole:  Page 2 Tole:  Pa	NO SSURE A 4 8 13 18 CC-WS-IGHT ISTANCA 12 19 27 34 A 12 Trave	BAC- BAC- BAC- BAC- BAC- BAC- BAC- BAC-	WITH PRESSUR B 14 19 24 28 HEAV) RESISTAL B 16 24 32 40 -WP-01 -WP-02 -WP-03 -SF-01 -SF-02 -SF-03 -ST-02 -ST-03	E	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 9 13 1 14 1 15 1 16 1 17 1 17 1 17 1 17 1 17 1 17 1 17
FABULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT  MOVE RD Distance Rim How In Inch 1-3 3-9 9-15 15-21 SHIFT G Distance Rim How In Inch 3-3 3-9 9-15 15-21 Positio Dial or Points FOR OR  FURN	RASP e ed es	AC-UN- CAS COD and No CAS COD - Figure  Press	R R R R R R R R R R R R R R R R R R R	Page  - V  Li  RES  - V  Li  RES  - 2"  to 2"	NO SSURE A 4 8 13 18 CC-WS-IGHT ISTANCA 12 19 27 34 A 12 Trave	BAC- BAC- BAC- BAC- BAC- BAC- BAC- BAC-	WITH PRESSUR B 14 19 24 28 HEAV 24 22 4 22 4 22 4 22 4 22 4 22 4 22 4	E	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 5 13 1 14 1 15 1 16 1 17 1 17 1 17 1 17 1 17 1 17 1 17
TABULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT MOVE RD Distance Ris Move IA Inch 1-3 3-9 9-15 15-21 ENIFT G Distance Ris Move In Inch 1-3 3-9 9-15 15-21 Position Distance Ris Move Ris M	RASP e ed es	AC-UN- CAS COD and No CAS COD - Figure  Press	TR.  R R R R R R R R R R R R R R R R R R	Page  - V  Li  RES  - V  Li  RES  - 2"  to 2"	NO SSURE A 4 4 8 13 18 UC-WS-GHT STANK A 12 17 34 27 34 avel	BACC-	WITH PRESSUR B 14 19 24 28 HEAV' RESISTAI B 6 24 32 40 -WP-01 -WP-02 -WP-03 -WJ-01 -SP-01 -SP-02 -SF-03 -ST-01 -ST-02 -ST-03 -VP-01	E	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	01 4 01 8 01 8 02 9 03 1 04 1
FABULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT  MOVE RD Distance Rim How In Inch 1-3 3-9 9-15 15-21 SHIFT G Distance Rim Mov In Inch 1-3 3-9 9-15 15-21 Positio Dial or Points JOG GR  FUSH  FUSH  Petcock	RASP e ed es	AC-UN- CAS COD and No CAS COD - Figure  Press	TO 1/64  R R R R R R R R R R R R R R R R R R R	Page 1 Trees	NO SSURE A 4 8 13 18 CC-WS-IGHT STANCA 12 19 27 34 avel Trave source ghten	BACC-	WITH PRESSUR B 14 19 24 28 HEAV' RESISTAI B 6 24 32 40 -WP-01 -WP-02 -WP-03 -WJ-01 -SP-01 -SP-02 -SF-03 -ST-01 -ST-02 -ST-03 -VP-01	E	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 9 13 1 104 1 206 2
TABULAR/R	Set Clos Tole Set Exac  ASIC ACTUAT  MOVE RD Distance Rim How In Inch 1-3 3-9 9-15 15-21 SHIFT G Distance Rim How In Inch 3-3 3-9 9-15 15-21 Positio Dial or Points FOR OR  FURN	RASP e ed es	AC-UN- CAS COD and No CAS COD - Figure  Press	R R R R R R R R R R R R R R R R R R R	Page 1 Tole:  Page 1 Tole:  ARS:  Tole:  Tol	NO SSURE A 4 8 13 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-	WITH PRESUR  14 19 24 28 HEAV: RESISTAN  8 16 64 32 40 -WP-01 -WP-02 -WP-03 -WJ-03 -WJ	E 133 24 46 18 13 3 3 5 5 19 22 2 62	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 9 13 1 104 1 206 2
Reel Switch	Set Clos Tole Set Exac  ASIC ACTUAT  MOVE RD Distance Rim How In Inch 1-3 3-9 9-15 15-21 SHIFT G Distance Rim Mov In Inch 1-3 3-9 9-15 15-21 Positio Dial or Points JOG GR  FUSH  FUSH  Petcock	RASP e ed es	AC-UN- CAS COD and No CAS COD - Figure  Press	TO 1/64  R R R R R R R R R R R R R R R R R R R	Present Trees to 2"	NO SSURE A 4 8 8 13 18 NC-MS- GRT 12 19 27 34 avel Trave	BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-BAC-	WITH PRESSUR B 14 19 24 28 HEAV' RESISTAI B 6 24 32 40 -WP-01 -WP-02 -WP-03 -WJ-01 -SP-01 -SP-02 -SF-03 -ST-01 -ST-02 -ST-03 -VP-01	E 133 24 46 18 13 3 3 5 5 19 22 2 62	Gauge Ring Gauge Flush Pin Gauge  Eye  MULTI - OR  Pencil, Scor Scale	Per Per Transposi posi	Check Check vel, nt to nt r HANDLIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hirt pochirt p	ket	BIT-GU-0  BIT-FP-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  BIT-ET-0  CODE  MOH-OG-01  MOH-OP-01  MOH-PO-03  MOH-PO-03  MOH-PO-03	11 4 11 8 11 8 12 9 13 1 104 1 206 2

BASIC THRI	LADED FASTE	EX.	CODE	7742	MULTI NON-	-THREADED F	astenex
	Hove Only	to 1 1/2" 1 1/2" - 2 1/2" 2 1/2" - 3 1/2"	BTY-FM-01 BTY-FM-02 BTY-FM-03	4		Clase	Padiock.kev.attach Padiock.comb.attac Nount. 00-900 kev
Pinger Rurn	Shift Graap & Move	T0 1 1/2" 1 1/2" - 2 1/2" 2 1/2" - 3 1/2"	BT7-FS-01 BTV-F6-02 BTV-F6-03	12		and Lock	Mount, 900-3600 kg
	Per Thread	70 1/4" 1/4" - 3/4" 3/4" - 1 3/4" 1 3/4" - 3 1/4"	BTF-FT-01 BTF-FT-02 BTF-FT-04	11 23	Lock (Latch)	Open	Hook & Eve Type La Padlock.kev Padlock.Comb. Mount. 0 -90 kev
Start Threaded Fastener	Visible	Less than 1" 1" - 3" 3" - 9" 9" - 15" 15" - 21" 21" - 27"	BTF-SV-01 BTF-SV-02 BTF-SV-06 BTF-SV-12 BTF-SV-18 BTF-SV-24	26 29 34 39		and Move Aside	Mount, 90 -360 ke Mount, Comb. Haan Type Laich Slide/Swing Type L Cam Type Suitcasc Turn Laich
Nove to Position	Blind	Less than 1" 1" - 3" 3" - 9" 9" - 15" 15" - 21"	BTF-SB-01 BTF-SB-02 BTF-SB-06 BTF-SB-12 BTF-SB-18	60 63 68 73	Staple	Install Remove	W/Plier Grip Stapl 3/8", 1/2", Plier Remover
		21" - 27"	BTF-88-24	83			1 Hemotel
pin		<u> </u>	BTF-85-01				
loosen or lasher, Pl screw or b	ace on	to 1" length 1" - 3" length		18 26	TABULAR NO	N-THREADED	PASTENER - THPHSXX
	Turn Only	90° turn 120° turn 180° turn		5 7	Mail, Set		
Vrist Turn	Shift Grasp & Turn	90° turn 120° turn 180° turn	BTF-WS-01 BTF-WS-02 BTF-WS-03	15 18			CASE
	Per Revolu-	120° turn	BTF-WR-01	59 53.	First Nail	ional Mail	
	ttion	180° turn	BT7-HR-03	46			

MULTI NON	-THREADED F	astenex	CODE	1341
· .	Close and Lock		MNF-LC-01 MNF-LC-02 MNF-LC-03 MNF-LC-04 MNF-LC-05	15 49 77
		Suitcase Type Latch Hook & Eye Type Latch	MOT-LC-06 MOT-LC-07	91
lock (Latch)	Open and Move As ide	Padlock key Padlock Comb. Mount. 0-90 key turn Mount. 90-3600 key turn Mount. Comb. Heap Type Latch Slidg/Swing Type Latch Cem Type Suitcesc Latch	MNF-LO-01 MNF-LO-02 MNF-LO-03 MNF-LO-04 MNF-LO-05 MNF-LO-06 MNF-LO-07 MNF-LO-08	16. 38. 96 14. 31. 77 26 38
		Hook & Eye Type Latch	MNF-LO-10	
taple	Install Remove	W/Plier Grip Stapler 3/8", 1/2", Plier Type Remover	MNP-SI-01 MNP-SR-01	

MULTI THREADED FA	CODE	THU		
Get (Easy)		To 1"	MTF-FG-01	32
and Start	1 1	1" to 3"	MTF-FG-02	37
(Visible)	1 1	3" - 9"	MTF-FG-06	47
	i 1	9" - 15"	MTF-FG-12	56
	! }	15" - 21"	MTF-PG-18	65
	1	21" - 27"	MTF-FG-24	75
	Hove	To 1"	MTF-FP-01	39
	Only	1" - 3"	MTF-FP-02	46
Get (Jumbled)	1 1	3" - 9"	MIF-FP-06	55
and Start	1 1	9" - 15"	MTF-FP-12	64
(Visible)	1 4	15" - 21"	MTF-FP-18	74
	}	21" - 27"	MTF-FP-24	83
	1 1	To 1"	MTF-FS-01	76
Get (Jumbled	1 1	1" - 3"	MTF-FS-02	83
Simo) and	1 1	3" - 9"	MTF-FS-06	92
Start (Visible)	1 1	9" - 15"	MTF-FS-12	101
seet (4797DTS)	-1 -	15" - 21"	MTF-PS-18	111
		21" - 27"	MTF-FS-24	120

MULTI 1	V IS ING		CODE	229(1)
	Quick	Lucson	MVS-QA-01	24
	Acting	Tighten	MVSA-02	35
	Rotate	to 450	MVS-RV-01	18
iso	L	450 - 1350	I MVS-RV-02	89
	Open	Sm. to 9" HDL, DIA.	MVS-TL-01	31
•	or	Md. 9"-15" HDL. DIA.	MVS-TL-02	39
	Close	Lg. 15"-21" HDL. DIA.	MVS-TL-03	47

Bige of Neil 5-7-8 10-12-16

WLTI C	LAMPING			CODE	TMU
	C-Type	[netall a	nd Remove	MCP-CI-OL	322
		Tighten o	r Loosen	MCP-CT-01	75
		Remove		MCP-CL-01	55
Clamp	Cleco	Install	Up to 15"	MCP-CL-06	82
		<u> </u>	15" to 27"	MCP-CL-18	92
	Spring	Install /	Sm. to 1" move	MCP-S2-01	20
		Remove	La. 1"-3" move	MCP-SP-02	26
Jav, Pa		Screwdriv	er liandle	MCP- J-G1	112
lighten	or Loosen	Knurled K	nob	MCP-PJ-02	50

MASIC TO	OL US	E						CODE	THU
	<b>-</b>	_			:	_	1	[ !	
Pry Bar		1	Object	;		than 1"		BTL-BP-01	20
Ay		1	Move	,	1".	- 3"		BTL-BP-02	25
		1	The .	,	3" -	- '''		BTL-BP-U6	3/4
						- 15"		BTL-BP-12	43
				_	<u> </u>				
hisel (C	~14)	- 1	Pirat (	٠.	Sans	le Blow	J	BTL-CU-01	72
Alber	316,	1	Additio					BTL-CU-02	17
			Acc.	100	<u> </u>	~		B. D	<del> </del>
ile or K	ack S	av _	Per Str	cok	e			BTL-FU-01	37
					Ī.,,		_	"-02	Γ.
		ì	Strike	- 1	1	- 3" Stro	ke	RTL-IIL-02	17
lamer .		. 1	One	,	3" .	- 9" Stro	ke l	BT1HL-06	17
(Light, 2	1/2	lbs.)	Blow	,	9"	- 15" Str	oke	BTL-HL-12	26
, .		1	(up		15"	- 21" St	roke	BTL-HL-18 BTL-HL-24	35
			and	,	21"	- 27" St	roke	BTL-HL-24	43
			down		1" .	- 3" Stro	oke [	BTL-HM-02	9
		1	stroke)	١.	3"	- 9" Stro	ke	BTL-1M-06	18
-maer (M	edius	ı.	•	<b>,</b>	9"	- 15" Str	roke l	BTL-HM-12	28
lanmer (M 2 1/2 - 7	1/2	1bs.)		,	13"	21" St	roke	BTL-HM-18	37
	A, -	102.7			2111	27" St	-oke	BTL-184-24	46
	<del></del>	+			144	<u> </u>	Fun	DAL-14.	+
		ı		-	7470	1 - 91 <sub>mg</sub>	,	BTL-HU-01	42
iatchet		ŀ				le Blow			32
		<del>+</del>	Addition	)TLE	102	OF		BTL-HU-02	124
	_	_ i			ſ,	-	)	01	١.,
		ı	Per			I" Stroke		BTL-KU-01	16
(ni fe		ŀ	Stroke		1"	- 3" Stro	ke	BTL-KU-02	20
		_1		-		- 9" Stro		BTL-KU-06	28
							<del>ٽٽ</del>	<del></del>	1
Pliers (C	vep	·•- [	tr. Ref	-1:	٠. ـ	to 30 lb	٠. <u>)</u>	BTL-PC-01	15
onal)	Olive	·t-	tare R	-	<del>-:-</del> -	20 - 45	iba	BTL-PC-02	20
OUST			hvy	<u> </u>	<u> </u>	- 30 -	,,	DIN	+=-
Pliers (Vise Gri	(م		Close o			ct and op	en	BTL-PC-03	65
,	i		Engage	6	D1 <u>se</u>	ngage		BTL-SC-01	
ī	i	I		Pe	er	To 3/4"	DIA	BTL-SC-02	8
,		- 1	Finger		ove	3/4"-2"	DIA	BTL-SC-03	12_
	Conve		Turn	Pe	32	To 3/4"	DIA	BTL-SC-04	21
	ional	<b>'</b> 1			ad	3/4"-2"	DIA	BTL-SC-05	31
!	ĺ	t	<del></del>	-	- K	131-	<u> </u>	-	+=
ľ	ĺ	- 1	Wrist	١.,	er Mo		,	STL-SC-06	18
	ĺ	}							53
Screw Driver	<u> </u>	<del></del>	Turn	خطا	er Th	Trac	<del></del>	BTL-SC-07	+>-
Driver	ĺ	1		١.			1	1	1
	ĺ	1			er Mo			BTL-SR-C1	132
	ĺ	J	Turn	Pe	er Th	read		BTL-SR-02	23
	ĺ	J		Γ	_		- 1		T
, 1	Ratch	het	Wrist	Pe	er Tu	rn		BTL-SK-03	14
i t	1				er Th			BTL-SR-04	41
,	<del></del>						<del></del> -		_
	Fine.	l Tignt	en/Init	<u>1a.</u>	ı lov	sen		BTL-SU-01	131
Scissors/	Sı	mall				ne Hand,	1	01	,,
Shears			to 2 1	12	lbs	res.		BTL-SS-01	111
	u	arge	2-4" c	ut,	, two	Hands	1	02	1.
	I		to 5 1					BTL-SS-02	13
				٦Ì				Γ	1
1	Wrist	t Turn		4		Thread		BTL-TD-01	67
To Tap	ſ		Remove	$\Box$		Thread		BTL-TD-02	46
or Die	-		-	7	<del></del>				
	Love	to 6"	CuL	1	Per	Thread	_	BTL-TD-03	
ł		Landle	Remove	7		Thread		BTL-TD-04	
ı	Jur.			+		Thread		BTL-TD-05	
Į	1 /	6"-10"		+					_
		hancie	Remove		Per	Thread		BTL-TD-06	85
Ī.,			l.,	_					126
T-Handle						sengage		BTL-WH-C1	
i				_P		and Sequer	nce	BTL-WH-11	
i			Per	į.		et turn		BTL-WH-12	
			Thread	4	Move	e turn		BTL-WH-13	168
			<del>-</del>				_	BTL-WR-01	26
Rachet &	Sock	et - El	veage/Di	se.	TIRRE	*			

BASIC	TOOL USE			CODE	TH
Speed Hand lu	Engage/Dise			BTL-WS-01 BTL-W8-02	12
	Set Torque	Diel Spap		BTL-WT-01 BTL-WT-02	37 98
Wrench To <b>rq</b> ue	Pinal Tighten	Snap	7"-12" IDL, 5/16" THED.	BTL-WT-51	39
			12"-16" NDL, 5/16"-1/2" THRD.		45
•			7"-12" HDL, 5/16" THRD.	BTL-WT-61	55
		"	12"-16" HDL 5/16"-1/2" THRD	BTL-WT-62	61

MULTI	TOOL USE	CODE	THU
	Assemble Tap in Chuck	MTL-DA-01	98
Die	Disassemble Tap from Chuck	MTL-DA-02	77
Die or	Assemble Tap in Handle	MTL-DA-03	139
Tap	Disassemble Tap from Handle	MTL-DA-04	110
1	Assemble Die in Handle	MTL-DA-05	150
ł	Disassemble Dic from Handle	MTL-DA-06	122

		Length of Stroke (Inches)							
		1	3	4	5	6			
	CASE		В	С	D	E			
Per Stroke	A	10	12	15	17	19			
Per Thresu	В	10	8	7	7 1	6			

Thread Diameter		Degree	a Turned		
(Inches)	_	30°	600	120°	1800
up to 5/8"	CASE	Λ	В	C	D
First Move	Α	30	33	37	41
Additional Move	В	34	40	48	56
First Thread	C	404	233	133	97
Additional Thread	D	408	240	144	112
5/8" - 1 1/8"					
First Move	E	33	38	46	54
Additional Move	F	40	50	68	86
First Thread	G	473	288	182	139
Additional Thread	Н	480	300	204	170

Ratchet Size, Type		Degree	es Turne	Per Mov	e
Motion - Move Motion	CASE	300	60°	1200	180€
1/4" - 3/8" drive	CODE	Α	В	i C	D
Per Move	A	10	15	21	D 29
Per Thread	В	118	88	63	58
1/2" Drive					T
Per Move	C	12	18	30	42
Por Thread	D	146	107	91	83
Wrist Turn Motion				1	
Per Turn	E	6	3	14	19
Per Thread	F	67	49	41	38

		DWM.SIDF FOR			
GULTI CLEAN	:	CODE	TMU		
lands, Both	Wipe with Cloth/Paper Towel	MCL-HW-01	271		
Hand, One		MCL-HN-02	160		

Object, Clean		Distan	Distance Per		troke	(Inches)	
Stroke to 2 1/	/2	to 1"	1"-3"	3"-9"	9"-15"	15"-21"	21"-27
lbs. Resist.	CASE	_	В	С	D	E	y
W/O Pressure	A	14	9	18	27	34	41
' Pressure	В	15	20	28	37	45	52
2 1/2 - 10 1ba One Way			<del></del>				
M/O Pressure	<b>↓</b> ç	16	12	21	30	37	45
M Pressure		1 15	20	29	38	46	53
Both Ways	E	8	14	23	33	40	48
			1 14	23	33	40	48
Both Ways 10 - 20 lbs Re One Way			14	23	33	43	50
Both Ways 10 - 20 lbs Re	e ie ten	ce					· · · · · · · · · · · · · · · · · · ·

BASIC DIP			CODE	174U
Cloth	Wring to Res	nove Excess Fluid	ADP-GV-01	38
Rand	Innerse, Res	ove, Shake	BDP-H1-01	
Part (Without	Immerse and	Large, 10-30 lbs. Hedium, 5-10 lbs.	BDP-PI-01	73
Cavities)	Shake	Small, to 5 lbs	BDP-PI-03	
		Very Small	BDP-PI-04	23

TABULAR DIP TOPOLX	K				
Object, Liquid or		Depth of	Depth of Immersion (Inches)		
	CASE	Α.	- B	3" - 9"	
Average Immersion		4	9	18	
Careful Immersion	В	10	14	24	
Wipe After Immersion	С	4	10	21	

BASIC LUBRICATE	CODE	774		
Brush, Cloth	Linear	to 6"	BLU-BL-01	11
Finger or Stick		6" - 12"	BLU-BL-02	21
	Spot	Per spot	BLU-28-01	4
		Per spot with care	BLU-88-02	15
	Attach &	Remove - Zerk Fitting	BLU-GA-01	146
rease Gun			BLU-GB-01	
	i	Lever-Per Stroke	BLU-GL-01	
	ł	Linear-Per Foot	BLU-OL-01	
• •	Apply	Lever-Per Stroke	BLU-06-01	
X1 Can	Lube	Diaphragm-Per Stroke	BLU-06-02	15
	l	Area-Per Sq. In.	BLU-TA-01	
lube	I	Spot-1/4" Sq.	BLU-TS-01	

# DEFENSE WORK MEASUREMENT STANDARD TIME DATA PROGRAM (DWMSTDP)

### PART TWO - UNIVERSAL STANDARD TIME DATA

### SECTION I - INDEXES

This provides two indexes as follows:

The DWMSTDP Element Index which is sequenced according to the DWMSTDP Element Code.

The Moun/Verb Index which is an alphabetical listing of the "title" line of the operation/element description.

MOTE: Indexes included in changes to this volume will be inserted in this section.

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OCCUP- ATION	QUALITY	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	BACCEOI	31	CRANK, ENGAGE ON SPLINES	1
U	MAW	BACFT01	36	FLASHLIGHT, TURN ON AND OFF	
U	MAA	BACKDXX	VARIABLE	KNOB, DIAL SET OR ALIGN POINTER WITH TURN UP TU 180 DEGREES	
U	MAA	BACLS01	16	LEVER, SFAT TO MESH GEARS	
U	MAA	BACLUOL	13	LEVER(NON-SQUEEZE), UNLATCH OR LATCH	•
U .	MAA	BACLUOZ	. 19	LEVER, UNLATCH TO DISENGAGE. SQUEEZE TYPE LATCH	
U ,	DAM	BACPDOL	33	PEDAL, DEPRESS	
U	MAA	BACSPXX	VARIABLE	SWITCH. PUSH TO TURN ON OR OFF	
U	MAA	BACSTXX	VARIABLE	SWITCH, TURN	2
U	MAA	BACVPOL	22	VALVE, PETCOCK, OPEN OR CLOSE	
U	MAA	BACVSXX	VAR IABLE	VALVE(STEM TYPE), OPEN OR CLOSE WITH ONE HAND	
U	MAA	BACWJOL	18	WHEEL.JOG OR BUMP FOR FINAL SETTING	
U	MAA	BACWPXX	VAR IABLE	WHEEL, POSITION TO SET DIAL OR PUINTER	
U	MAF	MACBD01	45	BUTTON, DEPRESSIDGORBELL OR SIMILAR)	
Ü	HAF	MACCOOL	70-	CONTROL (FOOT), OPERATE WITH PRESSURE	
U	MAA	MACCSXX	VARIABLE	CONTROLS, SET	3
U	MAA	MACKU01	74	KNOB(CONTROL), UNLUCK AND LOCK	
U	MAF	MACLEO1	37	LEVER, ENGAGE, DR DISENGAGE	
U	MAF	MACLTO1	102	LEVER, TURN ON AND DEFCAIR VALVE OR SIMILARS	
U	MAA	MACMS 01	104	MACHINE, START AND STOP WITH PUSH BUTTON OR ROTARY SWITCH	
U	MAF	MACMS02	34	MACHINE, START UR STOPEPUSH TYPE SMITCH)	
U	MAL	MACSOXX	VAR I ABL E	SWITCHES, OPERATE, CONTROL PANEL	
U	MAF	MACTS01	22	TOOL, STARTIORILL OR SIMILAR WITH TRIGGER SWITCH)	4
U	MAA	MACVCXX	VARIABLE	VALVE-OPEN AND CLUSE	
U	MAF	MACVOXX	VARIABLE	VALVE, OPEN OR CLOSE	
U	MAF	MACVO03	. 36	VALVE, OPEN OR CLOSE	
U	MAA	TACCEXX	TABLE	CRANK-WITH CRANKING MOTIONS	
U	MAA	TACCMXX	TABLE	CHANK, MOVE MOTIONS	5
U	MAH	TACCTXX	TABLE	CRANK, TURN WITH CRANKING MOTION AND ALIGN	
U,	MAA	TACLMXX	TABLE	LEVER. MOVE	
ŭ	MAA	TACHMXX	TABLE	WHEEL, MOVE RIM	
U	MAA	TACHSXX	TABLE	WHEEL, SHIFT GRASP AND TURN 1/3 REVOLUTION	6
U	MAW	8848401	83	HODY, MOVE SIDEWAYS TO NEW LOCATION WHILE SEATED	
U	MAA	BBMFM01	9	FOOT, MOVE SIDEWAYS OR VERTICALLY, MO PRESSURE APPLIED	

OCCUP- ATION	QUALITY	DWMSTDP FLEMENT	TMU VALUE	UPERATIUN/ELEMENT DESCRIPTION	PAGE
U	MAA	HBMHC 01	19	HORIZUNTAL CHANGEISIDESTEP DR TURN BUDY)	6
U	MAA	SBMLMXX	VARIANLE	LEG. MOVE, TO 21 INCHES	
U .	MAA	BBMSSXX	VARIABLE	SET AND STAND	
U	MAA	BMVCXX	VARIABLE	VERTICAL CHANGE	7
U ·	MAA	R BWM00 T	17	WALK-USSTRUCTED.PER PACE	
U	MAA	BAMWUXX	VARIABLE	WALK , UNUBSTRUCTED	
U	EUL	* MBMABOL	516	APRCHAFT, BUARD AND DISMOUNT	
U	MAF	MBMCLXX	VARIABLE	LAPOER (EXTENSION), CLIMB AND DESCEND	
U	MAA	MBMLCXX	VARIABLE	LADDER(VERTICAL).CLIMB UP AND DOWN ONE RUNG OR STEP	
U	EUL	MSMTB01	701	TRUCKIPICKUP), BOARD AND DISMOUNT BACK END	
U	MAA	TBMPCXX	TABLE	POSITION. CHANGE	8
Ų	MAW	BCFDC01	61	DIAL, CLEAN WITH CLOTH	
U	MAH	BCF0M01	45	DIPSTICK, WIPE WITH CLOTH	
U	MAF	BCLPCXX	VARIABLE	PART+CLEAN WITH RAG	9
U	MAF	BCLSCXX		SURFACF, CLEAN WITH SCRAPER	
U.	MAF	BCLSCOS	476	SURFACE, CLFAN WITH WIRE BRUSH	
U	MAF	BCL5C06	160	SURFACE, CLEAN WITH AIR	
u	MAA	MCLACXX	VARIABLE	AREA, CLEAN WITH AIR, TO NIME SQUARE INCHES	
U	MAA	MCLBC 01	194	BRUSH, CLEAN IN SOLVENT, SMALL BRUSH	
U	MAA	MCLCSOL	351	COMPOUND (SEAL) . SCRAPE UFF	10
U	MAA	WCFHC01	420	HANDS, CLEAN BY DIPPING IN FLUID CLEANER	
U	MAA	WCT HMO J	271	HANDS, WIPE WITH GLOTH OR PAPER TOWEL	•
U	MAF	MCTHMOS	160	HAND , HIPE WITH CLOTH OR PAPER TOWEL	
U ·	MAA	MCL-1CD1	44	IRON(SULDERING), CLEAN BY SHAKING	
U	MAF	MCLOCXX	VARIABLE	UBJECT, CLEAN WITH BRUSH, PER SQUARE FOOT	
U	MAL	MCLUC03	38	DBJECT, CLEAN WITH BRUSH AND SOLVENT	
U	OBW	WCFOMXX	VARIABLE	OBJECT , WASH	
U	OSW	MCLPCXX	VARTABLE	PART, CLEAN WITH AIR	11
U	MAA	MCLSCXX	VARTABLE	SURFACE, GLEAN, WITH BRUSH, MEDIUM RESISTANCE	
U	MAA	MCLSC03	1584	SURFACE.CLEAN WITH SANDPAPER	
	MAF	MCLSC04	334	SURFACE, CLEAN WITH WIRE BRUSH, EMERY CLOTH AND RAG-PER FOUR LINEAR INCHES	
U	MAA	MCLSSXX	VARIABLE	SURFACE, SCRAPE TO CLEAN	
	MAA	WELSHXX.	VAR IABLE	SURFACE.WIPE WITH CLUTH	
U .	MAA	TCLOCXX	TABLE	OBJECT, CLEAN, PER STROKE	12
U	TCA	TCLPCXX	TABLE	PART, CLEAN(BY HAND) WITH SOLVENT	

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUE	UPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	SCLCRXX	VARIABLE	CORROSION, REMOVE FROM SPOT ON SURFACE	13
U	MAA	SCLCSXX	VARIABLE	SPOT-CLEAN ON FLAT OR IRREGULAR SURFACE WETH PICK AND AIR	
U	MAA	SCLSCXX	VARIABLE	SURFACE CLEAN WITH SOLVENT AND CLOTH	
U	MAA	SCL SWXX	VARIABLE	SURFACE.WIPE WITH WET CLOTH	14
U	AAM	MCPC101	322	CLAMPIC TYPES, INSTALL AND REMUVE	
U	MAF	MCPCI 02	46	CLAMP(SPRING), INSTALL	
U	MAA	MCPCLXX	VARIABLE	CLAMP(CLECO), INSTALL OR REMOVE	
U	MAA	MCPCT01	75	CLAMPIC TYPE).TIGHTEN OR LOOSEN	
U	MAA	MCPPJXX	VARIABLE	JAW(PARALELL), TIGHTEN OR LOOSEN	
U	MAA	MCPSPXX	VARIABLE	CLAMP(SPRING), INSTALL OR REMOVE, SMALL UR LARGE	15
U	AAR	SCPCIXX	VARIABLE	CLAMP, INSTALL AND REMOVE	
U	MAA	MOAPRXX	VARIABLE	PART, REMOVE FROM MOUNTING LOCATION OR MATING PART	
υ	MAO	MDAPR07	156	PART, REMOVE FROM MOUNTING LOCATION OR MATING PART, TIGHT FITTING PARTS	
U	MAA	MOAPRO8	95 *	PART, REMOVE FROM MATING PART BY PUSHING WITH THUMBS	16
U	MAA	MDAPRO9	107	PART, REMOVE FROM MATING PART WITH FINGER	
U	MAA	TOAPIXX	TABLE	PART, INSTALL INTO HOLE OR THIO SHAFT	
U	MAF	BDP 8D01	42	BRUSH, DIP	
U	MAA	BDPCW01	38	CLOTH, WRING TO PEMOYE FXCESS FLUID	
U	MAA	BDPHI01	40	HAND, IMMERSE IN FLUID, REMOVE, AND SHAKE TO REMOVE EXCESS	
U	MAD	B DPODO 1	. <b>63</b>	OBJECT, DIP IN VISCOUS MATERIAL SUCH AS GREASE, RED LEAD OR SIMILAR	17
· U	AAM	BOPPIXX	VARIABLE	PART, IMMERSE AND SHAKE	
U	AAM	TOPOLXX	TABLE	OBJECT.IMMERSE IN LIQUID OR PASTE	
U	MAA	BELAPXX	· VARIABLE	APPLY PRESSURE	
U	MAA	BELDEXX	VARIABLE	DISENGAGE ONE OBJECT FROM ANOTHER OBJECT	
U	MAA	BELEDOI	7	EXTENDED DISTANCE	18
U	MAA	BELEFOL	7	EYE, FOCUS ON OBJECT	
U	MAA	BELETXX	VARIABLE	EYE, TRAVEL	
U	MAA	BELRG01	6	REGRASP	
U	MAL	8ELT001	27	TIME, UBSERVE	
U	MAA	BELTSXX	VARIABLE	TURN WRIST.SHIFT GRASP AND TURN.WITH OR Without pressurf	
υ	MAA	BELTWXX	VARIABLE	TURN WRIST, TURN ONLY, WITH OR WITHOUT PRESSURE	
U	MAA	TELWFXX	TABLE	MEIGHT FACTOR, FIRST AND ADDITIONAL	13
U	FAL	SEVYTXX	VARIABLE	VEHICLE.TRAVEL	

OCCUP- ATION	QUALITY	DWMSTOP	. TMU VALUE	UPERATION/ELEMENT DESCRIPTION	PAGE
U	MAL	MEVSF 01	177	SFATBELT, FASTER AND UNFASTER	19
U	MAL	MEVTHOL	- 521	TRUCK, MOUNT AND DISHOUNT	
U	MOL	MFVTS01	395	TRUCK, START AND STOP	
U .	MAF	BGMACO1	103	ALIGNMENT, CHECK WITH STRAIGHTEDGE	
U	MAF	BGMACO2	120	ALIGNMENT, CHECK WITH LEVEL	
U	MAA	8GMRR01	22	RULE, READ TO COMPARE MARK ALIGNMENT	20
U :	MAF	BGMSAO1	44	SQUARE, ALIGN TO MARK	
U	MAF	BGMSU01	139	SQUARE, USE(PART IN HAND)	
U	MAF	8645002	. 218	SQUARE, USE (PART ON BENCH)	
U	MAL	HGMMMXX	VARIABLE	MATERIAL. MEASURE LENGTH OF	
U	MAW	MGMRUXX	VARIABLE	RULE(SIX-FOOT FOLDING).USE	
U	MAF	MGMSUXX	VARIABLE	SCALE, USE	
U	MAA	TGTOGXX	TABLE	OBJECT, GET AND PLACE	21
U	MAA	-T GTOOXX	. TABLE	OBJECT, OBTAIN	
U	MAD	8105501	. 65	STAMPINETAL), STRIKE WITH HAMMER	22
U	. MAO	XXIAGIN	VARTABLE	INK(OR PAINT), APPLY TO STENCIL WITH DAUBER	
U	MAA	HIDASXX	VAR TABLE	STAMP(RUBBER), APPLY	
U	MAA	MIDDCOL	126	DATE, CHANGE, AUJUSTABLE RUBBER DATE STAMP	
U	MAA	MIDDIOL	346	DECAL(NUN-PRESSURE SENSITIVE), INSTALL	
U	MAA	MIDDRÓL	368	DECAL, REMOVE WETH TOOL	
U	MAO	MIDÏAXX	VARIABLE	INKIOR PAINT).APPLY TO STENCIL M/ROLLER	23
U	MAA	MIDPAO1	609	PAINT, APPLY TO IDENTIFICATION PLATE	
U	MAG	MIDSAOL	. 94	STENCIL, APPLY WITH BLOCK STAMP	
U	MAG	MIDSPO1	68	STENCIL, POSITION TO SURFACE	
U	MAG	MIDSSOL	2800	STAMP(GANG), SFT UP(10 MARKERS)	
U	MAL	MIDTA01	239	TAG, ATTACH TO OBJECT, WITH STRING(TIED)	
υ	MAA	MIDTA02	· 185	TAG,ATTACH TO OBJECT WITH STRING(TAG PULLED THROUGH LOOP)	
U	MAA	MIDTAO3	249	TAG.ATTACH TO OBJECT BY FORMING SLIP LOOP IN STRING	
U	MAA	MIDTA04	436	TAG, ATTACH STRING	24
U	MAL	MIDTA05	271	TAG(OR ENVELOPE), ATTACH TO OBJECT WITH WIRE (TWISTED)	
U	MAA	MIDTA06	317	TAG.ATTACH TO DBJECT WITH WIRE(LODPED AND TWISTED)	
U	MAA	MIDTAD7	356	TAG.ATTACH WIRE	
U	MAA	MIOTRXX	VARIABLE	TAG.REMOVE FROM OBJECT	
U <sub>,</sub>	MAA	\$100101	.468	OECALIPRESSURE SENSITIVE).INSTALL.TO 1.5 X 2.5 INCHES	

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUE	UPERATIUN/ELEMENT DESCRIPTION	PAGE
U	MAA	SIDSAOL	1416	STENCIL.APPLY.PAINT, AND REMOVE	24
U	MAA	SIDTAGE	640	TAPE, ATTACH TU PART AND WRITE IDENTIFICATION ON TAPE	25
U	MAA	8178101	20	GAUGE(BURE INDICATOR). USE	
U	MAO	BITCAOL	79	CALIPER(VERNIER), ADJUST SLIDING MEAD, FOUR INCHES	
U	MAF	8 ITCOXX	VARIABLE	CALIPER, OPEN UR CLOSE	•
U	MAF	BITCSXX	VARIABLE	CALIPER, SET WITH SCALE	•
U	MAF	BITCUXX	VARIABLE	CALIPER.USE	
U	MAA	8 ITCU07	92	CALIPER(VERNIER). USE TO MAKE ADDITIONAL CHECK ON INSIDE OR OUTSIDE DIMENSION	26
U	MAA	BITCUOS	211	CALIPER, USE, CHECK OUTSIDE DIAMETER WITH PRE-SET SPRING CALIPER	
U	MAA	BITDIO1	26	INDICATUR(DIAL) USE TO CHECK POSITION OR SPOT	
U	MAA	BITETXX	VARIABLE	EYE TIMES, SHIFT FROM POINT TO POINT	
U	MAA	BITFE01	28	GAUGE(FEELER).USE TO CHECK CLEARANCE, PER SPOT, POSITION, OR FIRST INCH	
U	MAA	BITFEO2	9	GAUGE(FEELER), USE TO CHECK CLEARANCE, ADDITIONAL INCH	
U	MAA	BITFE03	89	GAUGEIFEELER), SELECT FIRST LEAF FROM FAM TYPE FEELER IN METAL CASE	
U	MAA	BITFE04	38	GAUGE(FEELER), SFLECT ADDITIONAL LEAF FROM FAN Type Feeler, Leaves previously moved out of Case	27
U	MAA	BITFPO1	8	GAUGF(FLUSH PIN).USF	
U ,	MAA	8176001	20	GAUGE(GRINDER), USE-CHECK DUTSIDE USAMETER	
U	MAA	BITGS01	166	GAUGE(PASSAMETER).SET GAUGE WITH GAUGE BLUCK	
U	MAF	BITGUOL	428	GAUGE(RING GAUGE), USE	
U	WAW	BITIRO1	44	INDICATUREDIALI, READ	
U	MAA	BITISO1	49	INDICATORIDIALI, SET TO ZERO	
U	MAA	BITIUOL	14	INDICATORIDIALD.USE TO CHECK HEIGHT UM FLAT SURFACE, FIRST INCH	
U	MAA	BITIUOZ	10	INDICATOR(DIAL). USE TO CHECK HEIGHT UN FLAT	
U	MAA	8 ITHRO1	95	INDICATOR (DIAL), USE TO CHECK MANDREL RUNOUT PER DIAMETER	
U	MAF	BITMUXX	VARIABLE	MICROMETER.USE, READ SCALE	28
Ü	MAA	B ITMUO3	140	MICROMETER, USE, CHANGE POSITION OF THIMBLE FOR MAKING CHECK OF SIZE DIFFERENT FRUM PRIOR CHECK	
U	MAA	B ITHUO4	22	MICROMETER, USE TO CHECK PART AFTER CHANGE SETTING, BIT-MU-03	
U	MAA	6 ITMU05	74	MICRUMETER, USE, TO CHECK PARTICHANGE SETTING, BIT-MU-03, NOT NECESSARY)	-

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUE	OPERATION/FLEMENT DESCRIPTION	PAGE
U	MAA	BITPGOL	31	GAUGE(PLUG).CHFCK HOLF FOR SIZE ONLY WITH GO END	28
U	MAA	BITPG02	27	GAUGE(PLUG), CHECK HOLE FOR SIZE ONLY WITH NO GO END	
U	MAA	BITPG03	34	GAUGE(PLUG), CHECK FOR SIZE AND DEPTH	
U	MAA	BITREXX	VARIABLE	ROD, EXAMINE VISUALLY WITH NAKED EYE	29
U	MAA	BITSNOL	26	GAUGEISNAP). USE TO CHECK DIAMETER OF PART	
Ü	MAA	BITWEXX	VARIABLE	WIRE.EXAMINE VISUALLY, SAFETY, TWISTED	
u	MAA	MITBCOL	561	BATTERY, CHECK WATER LEVEL, 12 VOLT WATER TYPE BATTERY WITH SIX CELLS	
U	TUA	MITCAGL	165	CONTROL, ADJUST AND OBTAIN DIAL READING	
U	MAA	MITCA02	79	CONTROL, ADJUST KNOB/DIAL AND READ	
U	MAA	MITCA03	209	CONTROL, ADJUST WITH SCREWDRIVER, READ OSCILLOSCOPE	30
U	MAA	MITCA04	161	CUNTROL, ADJUST, ZERO METER WITH TOOL	
U	MAA	MITGUXX	VARIABLE	GAUGE(TELESCOPE AND OUTSIDE MICROMETER), USE	
U	MAF	MITGU03	1 130	GAUGE(HEIGHT GAUGE), USE	
Ų	MAF	MITGU04	· 889	GAUGEIDEPTH VERNIERI, USE	
υ	MAA	MITGU05	126	GAUGE(PLUG GAUGE,GO/NO GD),USE	
IJ	MAA	MITGU06	205	GAUGE(FEELER), USE, GAUGE CLEARANCE OR END PLAY	
U	MAD	WITIAOL	182	INDICATOR, ADJUST TO WORK, MAGNETIC BASE INDICATOR	31
บ	MAF	MITISOL	62	INDICATOR(DIAL), SET	
U	MAA	MITHMXX	VARIABLE	MICROMETER, MEASURE DEPTH	
U	MAF	ATTMUXX	VARIABLE	MICROMETER, USE	
U	MAA	MITHU04	427	MICROMETER.USE-CHECK OBJECTS OF DIFFERENT SIZE	
υ	MAA	MITMU05	380	MICROMETER, USE-CHECK OBJECTS OF SAME SIZE	
U	MAF	MITHU06	343	MICROMETER, USE(REMOVE AND REPLACE EXTENSION ON INSIDE MICROMETER)	
U	MAA	M ITMUO7	265	MICROMETER, USE, CHECK INSIDE DIAMETER OR BETWEEN TWO SURFACES	32
υ	MAW	MITWMOL	185	WIRE, MEASURE FOR GAGE	
U	MAA	TITETXX	TABLE	EYE, TRAVEL FROM POINT TO POINT TO INSPECT	
υ	MAA	TITGUXX	TABLE	GAUGEIFEELER WITH LOCKNUT).USE	
U	MAA	XXMMT] T	TABLE	MICROMETER(OUTSIDE), MEASURE DIMENSION AND READ	33
U	MAA	TITOEXX	TABLE	OBJECT. EXAMINE SURFACE CONDITION VISUALLY WITH NAKED EYF	
U	MAA	TETUGXX	TABLE	GAUGE(PLUG), USE	34
U	MAA	XXIATIZ	VARIABLE	AREA.INSPECT WITH LIGHT	
U	MAA	SITMUXX	VARIABLE	MICROMETER(DEPTH), USE WITH PARALLEL BARS	

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	UPERATIUN/ELEMENT DESCRIPTION	PAGE
U	MAA	MJPAPXX	VARIABLE	APRIN, PUT UN AND REMOVE	34
U	MAW	#JPBIO1	170	BAR(LUCKING), INSTALL AND REMOVE, TOUL CABINET OR SIMILAR	
U	MAF	MJPCCXX	VARIABLE	CORD(ELECTRIC), CONNECT AND DISCONNECT	35
U	MAA	MJPCI OL	127	COMPONENT ( BAYONET TYPE ) . INSTALL	
U	MAF	MJPCDO1	73	COMPARTMENT(TOOL), OPEN UR CLOSE MUUNTED UN TRUCK OR SIMILAR	
IJ	MAL	MJPCDO2	102	COMPARTMENTIDASHI, OPEN AND CLOSE	
U	MAA	MJPCP01	1145	COVERALLS, PUT ON AND REMOVE	
U	MAA	MJPCR01	69	COMPONENT (BAYONET TYPE), REMOVE	
U	MAF	MJPCUOL	1186	CORD(ELECTRIC EXTENSION).UNCOIL.CONNECT. DISCONNECT AND CUIL	
U	MAA	MJPDC XX	VARIABLE	DOOR (CABINET) . CLOSE AND OPEN . SHING OR SLIDE	36
U	MAF	MJPDC05	276	DOOR (CABINET), CLOSE AND OPEN, UNLOCK AND LOCK	
U.	MAA	MJPDC06	128	DOOR (CABINET), CLOSE AND OPEN, SINGLE UR DOUBLE WITH LOCKING HANDLE OR KNOB	
U	DAM	MJPOC07	349	DOOR(CABINET), CLOSE AND OPEN, SECURED WITH PIN	
U	MAA	MJPOOXX	VARIABLE	DRAWER(STORAGE). OPEN AND GLOSE	
U	MAA	MJP0009	30	DRAWER (TOOL BOX), UPEN AND CLOSE	37
U	MAA	MJPEP01	131	EARMUFFS, PUT ON AND REMOVE	٠
U	MAA	MJPGGXX	VARIABLE	GLASSES, GOGGLES, OR SHIELD, PUT ON AND REMOVE	
U	MAA	MJPGG04	477	GLASSES.REMOVE FROM CASE, PUT ON REMOVE, AND RETURN TO CASE	
U	MAA	MJPGM01	152	GLASS(ILLUMINATED MAGNIFYING), MOVE INTO POSITION AND MOVE ASIDE	
u	MAA	MJPGPXX	VARIABLE	GLOVES, PUT ON AND REMOVE .	
U	MAA	MJPGR01	230	GUN ( SPRAY ) , REPLACE	
U	MAW	MJPHC XX	VARIABLE	HOSE(AIR), CONNECT OR DISCUNNECT	38
U	MAA	МЈРНРХХ	VARIABLE	HAT, PUT ON AND REMOVE	
U	MAW	MJPHWOL	557	MOSE(AIR). WIND FOR STORAGE. 25 FEET LONG	
U	OBM	mjp 1a01	224	INDICATORIDIAL), ASSEMBLE TO MAGNETIC BASE	•
U	OPM	MJP1A02	373	INDICATOR(DIAL), ASSEMBLE TO HEIGHT GAUGE	
U	DBW	MJPIDOL	179	INDICATOR(DIAL), DISASSEMBLE FRUM MAGNETIC BASE	
U	OBM	MJPID02	262	INDICATOR(DIAL), DISASSEMBLE FROM MEIGHT GAUGE	
U	MAA	MJPJPO1	324	JACKET.PUT ON AND REMOVE	
U	MAF	MJPLM01	211	LADDER, MUVE TO NEW LOCATION	34
U	MAA	MJPMP01	204	MASKIFACE), PUT ON AND REMOVE, AIR FILTERING. DISPOSABLE TYPE MASK	
U .	MAA	MJPPCXX	VARIABLE	PAPERISTENCIL), CUT ON PAPER CUTTER	

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	UPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	MJPPIOI	112	PLUG, INSERT IN AND REMOVE FROM RECEPTACLE	39
u ·	MAA	MJPPPOL	685	PLUG. PUT IN AND REMOVE FROM EAR	
U	MAF	MJPRG01	137	RAG.GET FRUM COVERED CAN	
U	MAL	MJPSA01	219	STENCIL, AFFIX ON ROLL STAMP, TEST AND REMOVE	
U	MAF	MJPS001	772	STEPLADDER, OBTAIN FROM FLOOR, SET UP, TAKE DOWN, AND ASIDE TO FLOOR, LADDER TO 12 FEET TALL	40
U	MAA	MJPSP01	879	SMOCKETTE TYPE), PUT ON AND REMOVE	
U	MAA	MJPTGXX	VARIABLE	TOOL, GET FROM AND RETURN TO TOOL DRAWER	
U	MAA	MJPTOXX	VARIABLE	TOOLBOX(MACHINIST). OPEN AND CLOSE	
J	MAA	MJPT003	195	TOOLBOX.OPEN AND CLOSE.STORAGE TYPE 2.5X5X1.5 FEET	
U	MAA	MJPT004	70	TOOLBUX. OPEN AND CLOSE LID	
U	MAW	MJPTU01	158	TOOLBOX, UNLOCK, OPEN, CLOSE, AND LOCK	41
U	MAD	MJPWA01	167	WIRE, ATTACH TO HOUK, SINGLE STRAND WIRE	
U .	MAD	NJPWAOZ	110	WIRE, ATTACH TO PART	
U	MAD	MJPWA03	83	WIRE, ATTACH TO LARGE PART .	
Ų	TBA "	SJPCAXX	VAR I A BL E	CREAM(HAND), APPLY	
U	MAA	SJPCR01	261	CABLE, REMOVE FROM AND RETURN TO CASE, CABLE ROLLED AND STOWED IN CASE	
U	MAA	SJPCROZ	1216	CABLE, REMOVE FROM AND RETURN TO CASE, CABLE WOUND ON RACK IN LID	42
U	MAA	SJPGF01	2032	GUNIHAND OPERATED GREASE), FILL	
U	MUA	, ŞJPGPO1	3452	GUNIPAINT SPRAY), PREPARE FOR USE	
U	MAA	SJPK001	136	KNIFE(POCKET).OPEN AND CLOSE	
U	MAA	SJPMS01	1659	MICROMETER(INSIDE).SET UP WITH TWO EXTENSIONS	43
υ	MAA	SJPPMXX	VARIABLE	PLATE, MASK EDGES WITH TAPE PRIOR TO PAINTING	
Ü	MAA	SJPSC01	994	STRAIGHTEDGE+CLAMP TO PART WITH THREE C-CLAMPS	· ·
υ	MAA	XXATQLZ	VARIABLE	TORCHIPORTABLE PROPANEL.ASSEMBLE/DISASSEMBLE	
U	MAF	BLOLDO1	43	LINE, DRAW USING SQUARE	
U	MAF	Brorzxx	VARIABLE	LINE, SCRIBE, TO SCALE DR STRAIGHTEDGE	
Ü	MAF	BLOPM01	. 50	POINT.MARK	44
ປ	MAF	BLOSAOL	. 189	STRAIGHTEDGE, ALIGN, TO POINTS OR LINE	•
IJ	MAA	MEDESXX	VARIABLE	LINE, SCRIBE TO SCALE(STRAIGHTEDGE)	
U	MAA .	MLOLS13	125	LINE, SCRIBE, EXACT POSITION, METAL SURFACE	45
U	MAF	MLOPMO1	188 ,	PUINT, MARK WITH PENCIL	
U .	MAA	SFODMXX	TABLE	DIMENSION, MEASURE AND MARK	
U	MAA	BLUBLXX	VARIABLE	SURFACE(LINEAR), LUBRICATE WITH BRUSH, CLOTH, FINGER, OR STICK	
U	MAA	BLUBSXX	VARIABLE	SURFACE(SPOT),LUBRICATE WITH BRUSH,CLOTH, FINGER,OR STICK	46

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	- TMU VALUE	UPERATION/ELEMENT DESCRIPTION	PAGE
U	MAW	BLUDL01	56	DIE(OR TAP), LUBRICATE WITH DIL FROM LEVER OR DIAPHRAGH TYPE CAN	46
U	MAA	BLUGB01	34	LUBRICANT.APPLY TO FITTING WITH BUTTON TYPE	•
U	MAA	BLUGL01	36	LUBRICANT, APPLY TO FITTING WITH HAND UPERATED LEVER TYPE GUN(PER STROKE)	
U	MAA	81.001.01	28	LUBRICANT, APPLY WITH GIL CANIPER LINEAR FOOT)	
U	MAA	BLUOSOI	18	OIL.APPLY TO SPOT WITH TRIGGER TYPE OIL CAN	
U	HAA	BLUOS02	15	UIL.APPLY TO SPUT WITH DIAPHRAGH TYPE UIL CAN	
U	MAA	BLUTAOL	26	LUBRICANT, APPLY WITH TUBE TO AREA, L INCH X 1 INCH	
U	MAA	BLUTS01	20	LUBRICANT, APPLY WITH TUBE TO SPOT, 1/4X1/4	47
U	MAA	SLUALXX	VARIABLE	LUBRICANT, APPLY TO SMALL OBJECT	
Ü	MAA	SLULAXX	TABLE	LUBRICANT, APPLY TO ZERK FITTING WITH HAND OPERATED GUN	
U	MAA	BMHOS01	30	OBJECT.START MOVING BY PUSHING(WHEELED OBJECT)	
u ·	MAL	BMHWP01	160	WHEELBARROW, PICK UP HANDLES AND PUT DUWN	,
U	MAA	MMHOS01	42	OBJECT, START HOVEMENT BY PUSHING	
υ	MAA	BNFBTOL	197	BOW. TIE IN STRING ON OBJECT	48
U	MAA	BNFBUOL	40	BOW, UNTIE	
U	MAA	BNFKT01	215	KNOT, TIE, SQUARE, USING THO ENDS OF STRING	
U	MAA	BNFKT02	101	KNOT, TIE, HALF HITCH, USING SINGLE END OF LINE	•
U	MAA	BNFKT 03	<b>95</b> .	KNOT.TIE.(STRING).SLIP HALF HITCH.USING SINGLE END OF LINE	
U	MAA	BNFKT04	70	KNOT, TIE, CLOVE HITCH, USING SINGLE END OF LINE	
U	MAA	BNFKT05	83	KNOT, TIE(STRING), BOWLINE, USING SINGLE END OF LINE	
U	MAA	BNFKT 06	78	KNOT, TIE(ROPE) . HALF HITCH	
U	MAF	BNFKT 07	147	KNOT, TIE(ROPE). CLOVE HITCH	
u ·	MAF	BNFKT 08	100	KNOT, TIE (ROPE), BOWLINE	49
U	MAA	BNFKT 09	267	KNOT, TIE(ROPE), BARREL HITCH, TIMBER HITCH, DR STOPPER	
U	MAA	BNFKT10	164	KNOT, TIE (ROPF) . SQUARE	
U	MAA	MNFEMXX	VARIABLE	EDGE, MASK WITH PAPER TAPE	
U	MAW	MNFFOXX	VARIABLE	FASTENER, OPEN AND CLOSE ON CASE	
U	MAA	MNF I PO 1	93	PLUGIOR CAPI, INSTALL, NON-THREADED PLASTIC	
υ	MAA	MNFISXX	var i a ble	WIREISAFETY), INSTALL USING SAFETY WIRE TWISTING PLIERS	50
U	MAA	MNFKI01	311	KEY, INSTALL, WOODRUFF WITH HAMMER AND DRIFT PUNCH	
U	MAA .	MNFKI02	87	KEY, INSTALL, STRAIGHT MACHINE, LOOSE FIT, ND TOOLS NEEDED	

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	MNFKIOS .	293	KEY, INSTALL, STRAIGHT MACHINE, TIGHT FIT, USE OF HAMMER AND DRIFT PUNCH REQUIRED	50
U	MAA	MNFKRO1	370	KEY, REMOVE, WOODRUFF, WITH HAMMER AND DRIFT PUNCH	
U	MAA	MNFKR02	38	KEY, REMOVE, STRAIGHT MACHINE, LOOSE FIT, NO TOOLS REQUIRED	
U	MAA	MNFKR03	258	KFY, REMOVE, STRAIGHT MACHINE, HAMMER AND DRIFT PUNCH REQUIRED	
U	MÄA	MNFKR04	286	KEY, REMOVE, TAPERED MACHINE, HAMMER AND PUNCH REQUIRED	
U	MAA	MNFLCXX	VARIABLE	LOCK (LATCH), CLOSE AND LOCK	51
U .	MAA	MNFLOXX	VARIABLE	LOCKILATCH), OPEN AND MOVE ASIDE	
U.	MAD	MNFLTOI	48	LATCH. TURN TO CLOSE BOX OR CONTAINER	
U	MAD	MNFLT02	47	LATCH, TURN TO OPEN BOX OR CONTAINER	
U	MAF	MMFPAOL	173	PASTE, APPLY WITH BRUSH	
U	MAA	MNFPIXX	VARIABLE	PIN, INSTALL, VARIOUS TYPES	52
Ū	MAA	MNFPP01	40	PIN.PREPARE TO PRESS(REMOVAL)	
U	MAA	MNFPP02	107	PIN, PREPARE TO PRESS(INSTALLATION)	
U	MAA	MNFPRXX	VARIABLE	PIN.REMOVE, VARIOUS TYPES	53
U	MAA	MNFRI 01	271	RINGISNAP).INSTALL.INTERNAL OR EXTERNAL.UP TO UNE INCH FROM END OF PART USING SPECIAL SNAP RING PLIERS	
U	MAA	MNFRPXX	VARTABLE	PLUGIOR CAP), REMOVE, NON-THREADED PLASTIC, USING A SCREWORIVER	
U	MAA	MNFRROL	136	RETAINER, REMOVE, SNAP RING, INTERNAL OR EXTERNAL USING SNAP RING PLIERS	
U	MAA	MNFRR02	865	RETAINER, REMOVE, RING, SPRING, LOCKWIRE OR FLAT STEEL, USING TOOLS	
U	MAA	MNFRR03	146	RETAINER, REMOVE, SNAP ON CLIP TYPE, USING PLIERS	
U	MAA	MMPRTXX	VARIABLE	RETAINER(TRU-ARC), INSTALL OR REMOVE	54
U	MAL	MNFS101	51	STAPLE.INSTALL WITH PLIER GRIP STAPLER	
U	MAA	MNFSROL	86	STAPLE, REMOVE, 3/8 OR 1/2 INCH, USING PLIER TYPE STAPLE REMOVER	
U	MAA	MMFTAXX	VARIABLE	TAPELADHESIVE), ATTACH TO DESIRED POSITION	
U	MAA	MMFTFXX	VARIABLE	TURNLOCK, FASTEN OR UNFASTENIDZUS, CANLOCK, ETC.)	
U	MAG	MMFTG01	45	TAPE, GET FROM DISPENSER, & INCH LENGTH OF TAPE	
U	MAA	MNFTROL	167	TAPE, REMOVE FROM ROLL	55
U	MAA	MNFTRO2	97	TAPE, REMOVE FROM OBJECT	
, u	MAA	MMFTRO3	191	TAPE (MASKING), REMOVE	
Ú	MAA	MNFTTXX	VARIABLE	TAPE, TEAR FROM LOOSE ROLL DISPENSER	
U	MAA	MNFWCOL	94	WIRE(SAPETY), CUT OFF EXCESS AND BEND END OVER, TWISTED SINGLE STRAND TO .0025 INCH DIAMETER	

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	YALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	MNFWIXX	VARIABLE:	WIRE(SAFETY).INSERT THROUGH HOLE	55
U	MAA	MNFWOXX	VARIABLE	WIRE, OBTAIN FRUM ROLL AND STRAIGHTEN END	56
U	MAA	MNFWR01	184	WIRE(SAFETY), REMOVE FROM FIRST STATION, SINGLE STRAND	
U	MAA	MNFWR02	270	WIRE(SAFETY).REMOVE.DOUBLE STRAND,TWISTED, FIRST STATION	
U	MAA	MNFWRO3	225	WIRE(SAFETY), REMOVE, DOUBLE STRAND, THISTED ADDITIONAL STATION UP TO 6 INCHES APART	
U .	MAA	MNFWSXX	VARIABLE	WIRE(SAFETY), SECURE TO ANCHOR STATION WITH ONE TWIST BY HAND	
U	MAA	MNFWTXX	VARIABLE	WIRE(SAFETY), TWIST BETWEEN ANCHORS WITH SAFETY WIRE PLIERS, WIRE TO .0625 INCH DIAMETER	57
U	MAL	THENSXX	TABLE	NAIL, SET AND DRIVE	
U	MAA	TNFPAXX	TABLE	PRESS(ARBOR), ACTUATE TO INSTALL OR REMOVE PIN OR CYLINDRICAL PART	58
บ	MAA	TNFWIXX	TABLE	WIRE(SAFETY), INSTALL, TWO—STRAND TWISTED BETWEEN UNDBSTRUCTED ANCHORS, WIRE TO .0625 INCH DIAMETER	60
U	MAA	SNFTCXX	VARIABLE	TAPEIPLASTICE, CUT PIECE FROM ROLL	61
U	MAA	SNFWIXX	VARIABLE	WIRE(SAFETY-CONTINUOUS).INSTALL	
U	MAA	SMFWRXX	VARIABLE	WIRE(SAFETY-CONTINUOUS), REMOVE	
U	TAA	TOGNMXX	TABLE	NUMBERS, MULTIPLY (READ, TRANSPOSE)	
U	MAA	SOGDUOL	492	DRAWER(FILING CABINET), UNLOCK, OPEN, CLOSE, AND LOCK	62
U	MAA	SOGOUO2	719	DRAWER(FILING CABINET), UNLUCK, OPEN, CLUSE, AND LOCK	
U	MAA	BOHCD01	. 35	CONTAINER. DUMP PARTS	
U	MAD	BOHHP01	56	HOOK, PLACE IN PART, S-TYPE HOOK	
U	MAA	80H0G01	38	OBJECT.GAIN CONTROL AFTER GET HANDFUL UF OBJECTS	
U	MAO	BOHPHXX	VARIABLE	PART, HANG WITH "S" HOOK	
U	MAA	BOHPSXX	VARIABLE	PARTS, SEPARATE BY PULLING	63
U	MAA	MOH8001	97	BOOK, OPEN TO MARKED PAGE	
U	MAA	MOHBRO 1	203	BOOK, REMOVE FROM AND REPLACE IN OPEN BOOKCASE	
U	MAO	NOHCD01	129	CONTAINER, DUMP PARTS	
U	MAL	MOHCOXX	VAR (ABLE	CLIPBOARD.OBTAIN.AFFIX.OR REMOVE DOCUMENT AND ASIDE	
U	MAA	MOHDD01	106	DOOR(PASSAGE), UPEN AND CLUSE WITH DOURKNOBS PUSH OR PULL REQUIRED TO OPEN DOOR	
U	MAA	MOHDOO2	68	DOOR(PASSAGE), OPEN AND CLOSE, WITH DOURKNUBS AND CLOSER MECHANISM. PUSH REQUIRED TO UPEN DOOR	
U	MAA	MOHD003	90	DOOR(PASSAGE),OPEN AND CLOSE,WITH DOURKNUB, PULL TO OPEN,WITH AUTOMATIC CLOSER	64

OCCUP- ATION	GUALITY	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	MOHDOO4	75	DOOR(PASSAGE), UPEN AND CLOSE, NO LATCH, PUSH TO OPEN, WITH AUTOMATIC ODDR CLOSER	64
U	MAA	MI3HDO05	114	DUOR(PASSAGE).OPEN AND CLOSE.NO LATCH, PULL TO OPEN.WITH AUTOMATIC DOOR CLOSER	•
U	MAA	MOHDO06	91	DOOR (PASSAGE), OPEN AND CLUSE, QUICK RELEASE PUSH TO OPEN, WITH AUTOMATIC CLOSER	
U	AAM	. MUHDOO7	127	DOOR(PASSAGE), OPEN AND CLOSE, WUICK RELEASE, PULL TO OPEN, WITH AUTOMATIC CLOSER	
U	MAA	MUHDUOB	75	DUOR (PASSAGE), OPEN AND CLUSE, TWO-WAY SWINGING	
U	MAA	MOHD009	111	DOOR (PASSAGE), OPEN, SLIDING	
U	MAA	MOHDO10	138	DODR(PASSAGE), CLOSE, SLIDING	
	MAL	MOHORO1	463	DOOR(OVERHEAD), RAISE AND LOWER, MANUALLY	65
υ	MAF	MOHDUO1	143	OGOR (OFFICE), UNLOCK	
U	AAM	MOHFI01	135	FUSE.INSTALL IN FUSE HOLDER/BLOCK	
U	MAA	MOHEROL	83	FUSE, REMOVE FROM HOLDER/BLOCK	
U	MAA	MOHGOXX	VARIABLE	GATE(CONVEYOR), OPEN OR CLOSE, SINGLE GATE OR ONE SIDE OF DOUBLE GATE	
U	MAL	MOHHA01	197	HUCK, ATTACH AND DETACH TO/FROM ITEM	
U	MAO	MOHHRO:	42	HOOK("S"), REMOVE FROM PART	
U	MAA	MOHLRXX	VARIABLE	LID, REMOVE AND REPLACE, TRASH CAN DR SIMILAR TO 24 INCHES DIAMETER	
U	MAA	MOHUGO1	65	OBJECT.PENCIL.GET FROM SHIRT POCKET	66
U	MAA	моноро1	73	OBJECT.PLACE IN SHIRT POCKET.SUCH AS PENCIL. SCRIBE, UR SCALE	
U	MAF	MEHIISOL	590	OBJECT(HEAVY), SLIDE ON FLOOR	
U	MAL	·MOHPUXX	VARIABLE	ORJECT.PICK UP AND SET DOWN	
U	MAF	MUHPPOL	180	PART, PICK UP AND SET DOWN	
U	MAO	MOHWP01	41 .	WIRE, PLACE THROUGH HOLE IN OBJECT	
U	MAA	TOHORXX	TABLE	OBJECT.REPOSITION AT WORKPLACE BY SLIDING OR LIFTING AND TURNING.OBJECT TO 50 POUNDS WEIGHT.TURN TO 180 DEGREES	67
U	MAA	т онот хх	TABLE	OBJECT.TURN ABOUT HORIZONTAL OR VERTICAL AXIS TO 180 DEGREES.OBJECT ATTACHED TO STAND OR FIXTURE.EFFECTIVE NET RESISTANCE(ENR) TO 50 POUNDS	
U	MAA	SOHBOXX	VARIABLE	BOOK, OBTAIN FROM OPEN SHELF AND RETURN	68
U	MAA	S ОНОНХ Х	VARIABLE	OBJECT, HANG ON HOOK	
U	MAL	SCHPMXX	VARIABLE	PLYWGOD, MANHANDLE	
Ü	MAA	SOHPRO1	123	PART, REMOVE WITH PRY TOOL	
U	MAD	BPAPAOL	63	PAINTIGREASE OR VARNISH).APPLY WITH BRUSH	
υ˙	MAA	HPAP\$XX	VARIABLE	PAINT, SPRAY	69
U	MAA	MPAPSXX	VARIABLE	PAINT, SPRAY	

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
υ	MAA	SPAAPXX	VARIABLE	PAINT, APPLY WITH BRUSH ATTACHED TO BUTTLE CAP	69
U	MAA	SPAPAXX	VARIABLE	PAINT.APPLY WITH BRUSH	
U	MAA	MPHDA01	212	DOCUMENT, ATTACH TO ITEM WITH RUBBER BAND	
U	MAA	MPH0001	139	DOCUMENT.DETACH FROM ITEM AND UNRULL.DUCUMENT SECURED WITH RUBBER BAND	
U	MAA	MPHDR01	275	DOCUMENT, REMOVE FROM BAG, UNFOLD, FULD, AND REPLACE IN BAG	70
U	MAA	MPHDR02	128	DOCUMENT, REMOVE FROM AND RETURN TO PLASTIC BAG	
U	MAA	8 PK8001	25	BAGIPAPER), OPEN, PREPARATORY TO PLACE UBJECT IN BAG	
u	MAA	8PKCC XX	VARIABLE	CONTAINER(PLASTIC), CLUSE, SNAP-UN LID	
U	MAA	BPKCOXX	VARIABLE	CAN. OPEN WITH STATIONARY CRANK TYPE CAN OPENER	
U	MAA	8PKCR01	39	COVER.REMOVE FROM PLASTIC CONTAINER, SNAP ON COVER.1=7 INCHES DIAMETER	
U	MAA	BPKEDXX	VARIABLE	ENVELOPE. OPEN BY TEARING END	71
U	AAM	BPKJC01	62	JAR.CLOSE.SCREW TYPE LID	
U	MAA	BPKJ001	66	JAR, OPEN, SCREW TYPE LID	
U	MAA	BPKTCXX	VARIABLE	TAPE.CUT WITH KNIFE TO OPEN PACKAGE, BOX, ETC.	
U	MAA	MPKBOXX	VARIABLE	BOX. OPEN	
U	MAA	MPKBTXX	VARIABLE	BAG(PAPER), TEAR TO OPEN	72
U	MAA	MPKCC XX	VARIABLE	CANTHERMETICALLY SEALED), CLUSE UR UPEN	
U	MAA	MPKCOXX	VARIABLE	CANIMETALS, OPEN WITH STATIONARY CRANK TYPE CAN OPENER, EMPTY CONTENTS, AND ASIDE CAN	
U	MAA	MPKCSXX	VARIABLE	CAN. SCREW CAP ON AND OFF	
U	MAG	MPKD001	170	DRUM(STORAGE), OPEN	
U	MAA	MPKEDXX	VAR I ABLE	ENVELOPE (PARTS), OPEN AND REMOVE CONTENTS	
U	MAA	MPKJC01	109	JAR, CLOSE, LID SCREWED ON HAND TIGHT	73
U	MAA	MPKJ001	113	JAR. OPEN. SCREW TYPE LID	
U	MAA	MPKLC01	306	LID.CLOSE.PRY OPEN TYPE CAN TO 6 INCHES DIAMETER	,
U	MAF	MPKLI01	160	LID, INSTALL ON CAN	
Ų.	MAA	MPKL102	1016	LID.INSTALL AND SEAL ON FIVE-GALLUN CONTAINER, 16 PRY TABS	
U	MAA	MPKLP01	382	LID. PRY OFF CAN TO 6-INCH DIAMETER	
v	MAO	MPKLR01	45	LID(BOX),REMOVE	
U	MAA	HPKLR02	744	LID.REMOVE FROM FIVE-GALLON CONTAINER.16 PRY TABS	
U	MAA	MPKOU01	178	OBJECT.UNWRAP	74
U	MAA	MPKSC 01	158	STRING.CUT AND OPEN RAG	
U	MAA	TPKEOXX	TABLE	ENVELUPE, OPEN, EMPTY, AND ASIDE	

OCCUP- ATTON	QUALITY	DWMSTDP ELEMENT	TMU VALUE	OPERATION/FLEMENT DESCRIPTION	PAGE
U ,	MAA	TPKTCXX	TABLE	TAPE, CUT TO UPEN BOX, TAPE ON TWO SIDES AND MIDDLE OF BOX TUP	74
U	MAA	SPKCOXX	VARIABLE	CAN, UPEN AND CLOSE, PRY TYPE LID TO SIX INCHES DIAMETER	
U	MAA	TPLOGXX	TARLE	GRJECT, GET, PLACE TO USE, AND PLACE ASIDE	75
υ	MAA	T PLOP XX	TABLE	OBJECT, PLACE WITH A COMBINATION OF MOVE AND/OR POSITION MOTIONS USING THE MAND(S) OR FINGERS	
U	TAA	MPTNC 01	67	NOZZLEJAEROSOL PAINT SPRAY CAN), CLEAR	76
U	TBA	BROORXX	VARIABLE	DIGIT(S)(MIXED NUMBER).READ & RETAIN	
Ð	MAF	BRDIL01	98	TTEM, LOCATE IN COLUMN STARTS-WITH BOOK OPEN TO DESIRED PAGE AND EYES	5
U	TBA	BRONRXX	VARIABLE	NUMBER.READ, FIRST OR ADDITIONAL, NO EYE TRAVEL	
U	AAM	BRDWI01	7	MORO.READ.INDIVIDUAL WORD.ALPHA NUMERIC.OR Number to transpose	
U	MAA	BRDWS01	5	MORD(SEQUENCE), READ, PER WORD	
U	MAF	MROPF01	214	PAGE-FIND-IN MANUAL	
U	T 8.4	TRODAXX	TABLE	DIGIT(S).ALPHA-NUMERIC, READ & RETAIN EYE TRAVEL TO & FROM NUMBER	77
U	TRA	TRODNXX	TABLE	DIGITIS). NUMERIC. READ & RETAIN, EYE TRAVEL TO & FROM NUMBER	
U	TBA	TRONAXX	TABLE	NUMBER(S).ALPHA-NUMERIC, READ AND VERIFY, EYE TRAVEL FROM DOCUMENT TO DOCUMENT	
U	T8A	TRONNXX	TABLE	NUMBER(S).NUMERIC.READ & VERIFY, EYE TRAVEL FROM DOCUMENT TO DOCUMENT	78
υ	MAL	TROSSXX	TABLE	SHEET(S), SCAN FOR FAMILIAR REFERENCE POINT(S), LETTER SIZE SHEETS	
U	MAA	MSTCSXX	VAR I ABLE	COAT, SPRAY (AEROSOL)	79
υ	MAA	STFFMXX	VARIABLE	FASTENER(THREADED), TURN WITH FINGER HOVE ONLY	
U	MAA	BTFFSXX	VAR I A BL E	FASTENER(THREADED), TURN BY SHIFT GRASP AND MOVE WITH FINGERS	
Ü	MAL	BTFFTXX	VARIABLE	FASTEMERITHREADED).TURN WITH FINGER, PER THREAD	
U	MAA	BTFNPO1	32	NUT, POSITION ON STUD	•
U	MAO	BTFNP02	57	NUT(SMALL), POSITION AND ENGAGE ON BOLT	
U	MAA	BTFSBXX	VARIABLE	FASTENER(THREADED),START(BLIND)	80
U	MAA	BTFSS01	10	FASTEMER(THREADED), SPIN	
U	MAA	BTFSVXX	VARIABLE	FASTENER(THREADED),START(VISIBLE)	
U	MAA	8TFTM01	18	FASTENER(THREADED), TIGHTEN OR LOOSEN	
υ	MAA	BTFWA01	24	WASHER, ALIGN TO NUT BEFORE STARTING TO POSITION ON BOLT/SCREW	
U	MAA	BTFWPXX	VARIABLE	WASHER, PLACE ON SCREW OR BOLY	
U	MAA	BTFWRXX	VARIABLE	FASTEMERITHREADED), TURN WITH WRIST, PER REVOLU-	

OCCUP- ATION	QUALITY	OWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	BTFWSXX	VARIABLE	FASTENER(THREADED), TURN WITH WRIST, SHIFT GRASP AND TURN	81
U	MAA	BTFWTXX	VARIABLE	FASTENER(THREADED), TURN WITH WRIST	
U	MAA	MTFCIXX	VARIABLE	CAPIOR PLUGI-INSTALL.PLASTIC THREADED	
U	MAA	MTFCRXX	VARIABLE	CAP(OR PLUG), REMOVE, PLASTIC THREADED	
U	MAA -	MTFFGXX	VARIABLE	FASTENER(THREADED), GET(EASY) AND START(VISIBLE)	
U	MAA	MTFFIXX	VARIABLE .	FASTENER(THREADED), INSTALL	
υ	AAM	MTFFPXX	VARIABLE	FASTENER(THREADED).GET(JUMBLED)AND START (VISIBLE)	82
U	MAA	MTFFSXX	VARIABLE	FASTENER(THREADED).GET(JUNBLED SIMO) AND START (VISIBLE)	
U	MAA	MTFNPXX	VARIABLE	NUT AND WASHER, POSITION ON STUD	
U	MAA	MTFPFOL	80	FASTENER(THREADED), POSITION IN HOLE	
U	MAA	MTFWP01	73	WASHER. PLACE ON BOLT OR SCREW	
U	MAA	MTFWP02	62	WASHER, PLACE IN ALIGNMENT WITH NUT PRIOR TO STARTING NUT ON THREADS	
U	MAA	TTFFIXX	TABLE	FASTENER(THREADED), INSTALL WITH HAND	83
U	MAA	TTFFRXX	TABLE	FASTENER(THREADED), REMOVE WITH HAND	,
U	MAA	BTLBPXX	VARIABLE	BAR (PRY), USE	
U	MAA	BTLCUXX	VARIABLE	CHISEL(CULD). USE. FIRST OR ADDITIONAL BLOWS	
U	MAA	8TLFU01	37	FILE(OR HACKSAW). USE PER STROKE	
υ.	MAA	BTLHLXX	VARIABLE	HANNERILIGHT).STRIKE ONE BLOW	84
U	MÀA	BTLHMXX	VARIABLE	MANMER(MEDIUM),STRIKE ONE BLOW	
U	MAA	BTLHUXX	VARIABLE	MATCHET, USE, STRIKE FIRST OR ADDITIONAL BLOW	
U	MAA	BTLKUXX	VARIABLE	KNIFE, USE, TO CUT OR SCRAPE, PER STROKE	
U	MAG	BTLMCXX	VARIABLE	MATERIAL, CUT ALONG STRAIGHTEDGE WITH KNIFE	
U	MAA	BTLPAOL	72	PLIERS(VISE GRIP)ADJUST	
U	MAW	BTLPA02	75	PLIERS(SLIP JOINT).ADJUST	85
U	MAA	BTLPCXX	VARIABLE	PLIERS(CONVENTIONAL), USE TO CUT, CRIMP, OR GRIP AN OBJECT	
υ	, MAA	BTLPC03	65	PLIERS(VISE GRIP).CLOSE ON OBJECT AND OPEN TO REMOVE	
IJ	MAA	BTLSA01	132	SOCKET.ATTACH TO ADAPTER AND ATTACH ADAPTER TO HANDLE	
υ	MAA	BTLSCXX	VARIABLE	SCREWDRIVER, CONVENTIONAL, USE	
U	- MAA	87LSD01	62	SOCKET, DISENGAGE FROM ADAPTER AND REMOVE ADAPTER FROM HANDLE	
U	MAA	BTLSRXX	VARIABLE	SCREWDRIVER, RATCHET, USE	86
U	MAA	BTLSSXX	VARIABLE	SCISSURSION SHEARS), CUT	
U	MAF	BTLSU01	31	SCREWDRIVER.USE FOR FINAL TIGHTEN OR INITIAL LUDSEN	

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	YMU Value	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	BTLTDXX	VARIABLE	TAPLOR DIEL, CUT ONE THREAD	86
U	MAA	BTLTUXX	VARIABLE	TOOL, USE (ADDITIVE FOR INSTALLATION OR REMOVAL OF SELF LOCKING FASTENERS)	
U	MAF	BTLWAOL	77	WRENCH. ADJUST, MONKEY OR CRESCENT	87
	MAA	BTLWHXX	VARIABLE	HANDLE("T"), ENGAGE AND DISENGAGE OR USE TO TURN OBJECT	
U	MAA	BTLWLXX	VARIABLE	BOLTIOR NUT).LOOSEN OR TIGHTEN WITH WRENCH	
U	HAG	BTLWP01	39	MRENCHISPANNER), POSITION TO NUT AND REMOVE AFTER USE	
U	MAA	BTLWR01	26	RATCHET(AND SUCKET), ENGAGE ON AND DISENGAGE FROM PART	
<b>U</b> .	MAA	BTLWSXX	VARIABLE	HANDLE(SPEED).ATTACH TO AND REMOVE FROM PART OR TURN HANDLE ONE THREAD	
U	MAA	BTLWTXX	VARIABLE	MRENCH, TORQUE, USE	88
U	MAA	BTLWUXX	VARIABLE	WRENCHISTRAP). USE (ATTACH TO OBJECT)	
U	MAA	STLWU04	32	WRENCHISTRAP), USEIFINAL TIGHTEN OR INITIAL LOOSEN)	
U	MAA	BTLWU05	75	WRENCHISTRAP), USE, (MAKE ONE QUARTER TURN)	
U	MAA	BTLWU06	3'9	WRENCHISTRAP). USE. (REMOVE FROM OBJECT)	
Ú	MAL	MTL BUOL	159	BAR (PINCH) . USE	
U	MÀW	MTLDAXX	VARTABLE	DIE(OR TAP), ASSEMBLE TO OR DISASSEMBLE FROM CHUCK OR HANDLE, HAND-HELD	89
U	MAÀ	MTLFLXX	VARIABLE	FASTENER(THREADED), LOOSEN WITH HAMMER OR MALLET	
U	MAO	MTLHRXX	VÄRTABLE	HOLE, REAM BY HAND	
U	MAL	MTLMCXX	VARIABLE	MATERIAL (CLOTH), CUT WITH SCISSORS	90
U	MAF	MTLPS01	97	PUNCH(CENTER),STRIKE	
U	MAA	MTLSC01	121	SDCKET, CHANGE, 1/4, 3/8, OR 1/2 INCH DRIVE WITH BALL AND SOCKET LOCK	
U	MAL	MTLSEXX	VAR LABLE	STENCIL, CUT, ELECTRIC	
· U	MAL	MTLSMXX	VARIABLE	STENCIL, CUT, MANUAL	
U	MAF	MTLSOO1	99	SNIPS, OPEN , POSITION TO WORK, CLOSE AND PLACE ASIDE	91
	MAO	MTLSTXX	VARIABLE	SCREW, TURN IN AND TIGHTEN OR LOOSEN AND TURN OUT WITH SCREWDRIVER	
U ·	MAF	MTL SUO1	155	SHOVEL, USE. TO MOVE LOOSE MATERIAL SUCH AS SAND OR GRAVEL	
U	MAF	MTLSU02	221	SHOVEL.USE	
U	MAW	MTLTC01	690	TUBING, CUT WITH MAND HELD TUBE CUTTER, COPPER OR ALUMINUM TUBING 1/4-1/2 INCH DIAMETER	
U	MAF	MTLTG01	69	TOOLSTWO HANDLEST GET AND ASIDE	
U .	MAF	MTLT001	77	TOOL, OBTAIN FROM OPEN TOOLBOX AND ASIDE TO TOTE BOX OR BENCH TOP	92

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	YALUE	UPERATIUN/ELEMENT DESCRIPTION P	PAGE
U	MAF	MTLTRO1	132	TOOL-REMOVE-FROM AND RETURN TO BELT KIT	92
U	MAA	MTLWA01	397	WRENCHITORQUEI.ADJUST INDICATUR	
U	MAA	MTLWC01	86	WIRE-CUT WITH DIAGONAL PLIERS	
U	MAG	MTLWP01	31	WRENCHIHEX NUT DRIVER), POSITION TO NUT, REMOVE	
U	MAA	TTLFIXX	TABLE	FASTENER(THREADED). INSTALL WITH HAND TOOL	9.3
U	MAA	TTLFRXX	TABLE	FASTENER(THREADED).REMOVE WITH HAND TOOL	95
U	MAA	TTLFTXX	TABLE	FASTENER(THREADED).TIGHTEN OR LOUSEN ONE THREAD.WITH END WRENCH, ALLEN WRENCH OR SIMILAR	97.
U	MAL	TTLHUXX	TABLE	HAMMER, USE, STRIKE ONE BLOW	98
U	, MAA	TTLPLXX	TABLE	PART-LODSEN WITH MALLET AND REMOVE	
U	MAA	TTLSPXX	TABLE	SCREWORIVER(SPIRAL), USE	
U	MAA	TTLWBXX	TABLE	WRENCH.USE.BOX END.OPEN END.ALLEN WRENCH OR SIMILAR	99
υ	MAA	TTLWRXX	TABLE	RATCHET.USE TO TURN PART	
U	MAA	STLFIXX	TABLE	FASTENER(THREADED), INSTALL	100
U	MAA	STLFRXX	TABLE	FASTENER(THREADED) .REMOVE	102
U	MAA -	STLFTXX	var i abl e	FASTENERITHREADED).TORQUE WITH SNAP TYPE TORQUE WRENCH	103
U	MAA	STLHTXX	VARIABLE	HOLE, TAP	
U	MAA	STLPPXX	VARIABLE	PUMP ( PRESSURE ) . PUMP	104
U	MAO	STLRA01	572	REAMER, ASSEMBLE, POSITION, DISASSEMBLE	
U	MAA	STLRFXX	VARIABLE	FITTING(ZEHK), REMOVE	
U	MAF	8TPWP01	54	MRENCHIIMPACTI, POSITION TO BOLT OR NUT	
U	MAA	BTPWTXX	VARIABLE	WRENCH, TURN PART(POWER WRENCH, FREE AUNMANG)	
υ	MAL	MTPOPXX	VARIABLE	DRILL, POSITION FOR DRILLING, NAMO HELD PORTABLE POWER DRILL	105
U	MAA	MTPFIXX	VARIABLE	FASTENER(THREADED).INSTALL WITH POWER TOOL	
U	MAA	MTPFRXX	VAR LABLE	FASTENER(THREADED), REMOVE WITH POWER TOOL	
, u	MAA	NTPHCXX	VARIABLE	HOLE, COUNTERSINK OR DEBURR, 1/16 INCH DEPTH AND TO 5/8 INCH DIAMETER, ALUMINUM MATERIAL	
U	MAF	MTPTD01	240	TOOL(ELECTRIC POWER), DISCONNECT AND WIND CORD AROUND TOOL	
U	MAF	MTPTP01	190	TOOL, PLACE IN CHUCK AND TIGHTEN	
U	MAF	MTPTRO1	120	TOOL, REMOVE FROM CHUCK	106
U	MAF	MTPTU01	216	TOOL(ELECTRIC POWER). UNWIND CORD AND CONNECT PLUG	
U	MAA	STPFIXX	VARIABLE	FASTEMER(THREADED), INSTALL WITH POWER TOOL	
U	MAA	STPFRXX	VARIABLE	FASTENER(THREADED), REMOVE WITH POMER TOOL	
U	MAA	STPTIOL	486	TOOL, INSTALL IN AND REMOVE FROM CHUCK OF PORTABLE DRILL MOTOR	

UCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAL	MVSPP01	256	PART, PLACE IN AND REMOVE FROM VISE	107
U	MAA	MVSQAXX	VARIABLE	VISE(JUICK ACTING), LODSEN OR TIGHTEN	•••
U	MAA	MVSRVXX	VARIABLE	VISE.ROTATE	
U	MAA	HVSTLXX		VISE, TIGHTEN OR LOUSEN BY HAND	
U	MAF	MVSTSXX	VARIABLE	TRIPODIWITH VISE).SET UP TO USE OR TAKE DOWN AFTER USE.EFFECTIVE NET WEIGHT TO 30 POUNDS	
U	MÁF	MVSVC01	291	VISE(BENCH) OPEN AND CLOSE(1/4 INCH)	
U	08M	MVSVTO1	173	VISE TIGHTEN AND LOOSEN WITH WRENCH	
U	MAA	BWHCRXX	VARIABLE	CABLE, ROUTE THROUGH FRAME OPENING	108
U	TUA	BWHGH01	221	GUN(SOLDER) HEAT TIP TO SOLDER TEMPERATURE	
U	MAA	BWHH001	20	HEAT SINK, UPEN AND CLOSE	
U	MAA	8WH[50]	49	INSULATION, STRIP FROM WIRE TO ONE INCH	
U	MAA	BWHITXX	VARIABLE	IRON(SOLDERING).TIN	
U	MAA	RMHLT01	VARIABLE	LACE, TIE CLOVE HITCH AND OVERHAND KNOT	109
U	MAA	BWHLU01	30	LACING(CORD), UNWIND FROM SPOOL PER FOOT	•••
U	MAA	BHRWXX	VARIABLE	WIRE, ROUTE PAST POST, PIN OR OBSTRUCTION	
U	MAW	8WHŚWXX.	VARIABLE	WIRE, STRAIGHTEN WITH PLIERS	
U	MAA .	BWHTLXX	VARIABLE	LEAD, TWIST ON TERMINAL	
U	MAA	8 WHW8 XX	VARIABLE	WIRE BEND WITH PLIERS	
U	MAW	8 WH WB 03	46	MIRE.BEND TO FORM LOOP USING PLIERS	110
U	MAA	BWHWB04	18	WIRE, BEND UP TO 120 DEGREES WITH HANDS	
บ	MAA	8 MHW001	99	WIRE, DRESS INTO AN INSIDE CORNER	
Ü	MAA	BWHWR01	20	WIRE, ROUTE IN CHANNEL OR AGAINST FRAME	
U	MAA	BWWSXX	VARTABLE	WIRE-STRAIGHTEN BY HAND	
U	MAA	BWHWTXX	VARIABLE	WIRES.TWIST TO ROUTE THRU OPENING	111
U	MAA	BWHWT03	32	WIRE, TWIST STRAND OF LEAD	
U	MAA	B WHWU01	54	WIRES-UNTWIST AFTER ROUTE THRU OPENING	
U	MAA	MINCLXX	VARIABLE	CABLE, LACE WITH KNUT	
IJ	MAA	MWHHU01	320	HARNESS, UNWRAP VINYL TAPE FROM 1-3 INCHES OF	
U	MAA	миннио1	2856	HARNESS, WRAP 1-3 INCHES OF HARNESS WITH 1/2 INCH VINYL TAPE-RESTRICTED	
U	HAA	MWHITXX	VARIABLE	IRON(SOLDERING), TIN BEFORE SOLDERING OR AFTER CLEANING	112
U	MAA	MWHLC01	43	LEAD, CHOOSE FROM WIRE BUNDLE	
<b>U</b>	MAA	MWHLDO 1	198	LEAD, DRESS WITH PLIERS	
U.	MAZ	MMHLH01	144	LEADICOMPONENT), MEASURE AND CUT TWO ENDS TO	
U ·	MAA	MWHLN02	165	LEAD. MEASURE AND CUT TO LENGTH	

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION	PAGE
U	MAA	MWHLS01	182	LEAD(COMPONENT), STRAIGHTEN WITH HANDS	112
U	MAA	MUHLT 01	51	LEAD, TWIST STRANDED WIRE BY HAND	
U	MAA	MMLU01	85	LACING CORD. UNKIND UNE FOOT FROM SPOOL	
U ·	MAA	MWHMA01	418	MARKER (E-2 CODE), APPLY	113
U	MAA	MWHSA01	202	SPAGHETTI, APPLY-MEASURE, GUT AND INSTALL	
U	MAA	MWHSS01	22	SPAGHETTI, SLIDE	
U	MAA	MMHTMOL	285	TERMINAL MOUNT TO CHASIS	
U	MAA	MWWWXX	VARIABLE	WIRE, ROUTE THROUGH WIRES	
U	MAA	MWHWSXX	VARTABLE	WIRE, STRIP END	
u	TUA	MWHWT01	76	WIRE, TIN LEAD END	
U	MAF	MMHM01	35	WIRE(OR SOLDER), UNROLL FROM SPOOL, SIX INCH LENGTH	114
U	MAA	BWRLLXX	VARIABLE	LETTER.WRITE.LONGHAND	
U	MAA	BHRLPXX	VARIABLE	LETTER, PRINT, UPPER OR LOWER CASE	
U	MAA	BWRM001	. 4	INSTRUMENT (WRITING), MOVE TO NEXT WORD WHEN WRITING LONGHAND, LOWER CASE	
U	MAA	BWRN001	18	NUMBER. WRITE, PER DIGIT	
U	MAA	BMRPAXX	VARIABLE	PUNCTUATION, ANNOTATE	
IJ	MAJ	BWRSWXX	VARIABLE	SYMBOLS, WRITE	115
บ	MAA	MMROWXX	VARIABLE	DATE(CALENDAR), WRITE	
u	MAL	MWRSW01	224	SIGNATURE, WRITE LONGHAND, FIRST NAME, MIDDLE INITIAL, AND LAST NAME	
U	MAW	MURUWXX	VARIABLE	MORDS.MRITE OR PRINT.SEQUENCE OF FIVE WORDS	
u	MAA	THRNCXX	TABLE	NUMBER.COPY FROM SOURCE DOCUMENT	116

## DEFENSE WORK MEASUREMENT STANDARD TIME BATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TAU	OCCUP- AT EQN	DWMSTOP ELEMENT	PAGE
AIRCRAFT, BOARD AND DISMOUNT	594	u	MBMABOL	7
ALIGNMENT, CHECK WITH LEVEL	120	u	BGMACOZ	19
ALIGNMENT, CHECK WITH STRAIGHTEDGE	103	u	SGMAC 01	19
APPLY PRESSURE	VARIABLE	u	BELAPXX	17
APRON, PUT ON AND REMOVE	VARIABLE	u	HJPAPXX	34
AREA.CLEAN WITH AIR.TO NINE SQUARE INCHES	VARIABLE	U	MCLACXX	9
AREA, INSPECT WITH LIGHT	VARIABLE	U	SITATIX	34
BAG(PAPER), DPEN, PREPARATORY TO PLACE OBJECT IN BAG	25	u	8PKB001	70
BAG(PAPER), TEAR TO OPEN	VARIABLE	u	MPKBTXX	72
BAR(LOCKING), INSTALL AND REMOVE, TOOL CABINET OR SIMILAR	170	u	MJPBIOL	34
BAR (PINCH), USE	159	U	MTL BUO1	88
BAR (PRY), USE	VARIABLE	U	BTLBPXX	83
BATTERY, CHECK WATER LEVEL, 12 VOLT WATER TYPE BATTERY WITH SIX CELLS	561	u	MITBCOL	29
BODY, MOVE SIDEWAYS TO NEW LOCATION WHILE SEATED	83	U	BBMBMO1	6
BOLTIOR NUT), LOOSEN OR TIGHTEN WITH WRENCH	VARIABLE	U	BTLWLXX	87
BOOK, OBTAIN FROM OPEN SHELF AND RETURN	VARIABLE	U	SOHBOXX	68
BOOK, OPEN TO MARKED PAGE	97	U	MOHBOO1	63
BOOK, REMOVE FROM AND REPLACE IN OPEN BOOKCASE	203	U	NOHBRO1	63
BOW, TIE IN STRING ON OBJECT	. 197	U	SMFBTOL	48
BOM, UNTIE	. 40	<b>y</b>	8NF8U01	48
BOX, OPEN	AVEITE	¥	MPKBOXX	71
BRUSH, CLEAN IN SOLVENT, SMALL BRUSH	194	u	MCL BCO1	9
BRUSH,DIP	42	U	8DPBD01	16
BUTTON, DEPRESSEDOORBELL OR SIMILAR)	45	U	MAC BD01	2
CABLE, LACE WITH KNOT	yar iable	U	MWHCLXX	111
CABLE, REMOVE FROM AND RETURN TO CASE, CABLE ROLLED AND STOWED IN CASE	261	Ú	SJPCROL	41
CABLE, REMOVE FROM AND RETURN TO CASE, CABLE MOUND ON RACK IN LID	1216	U	SJPCR02	42
CABLE, ROUTE THROUGH FRAME OPENING	VARIABLE	U	BWHCRXX	108
CALIPER(VERNIER), ADJUST SLIDING HEAD, FOUR INCHES	79		BITCA01	25
CALIPER(VERNIER). USE TO MAKE ADDITIONAL CHECK ON INSIDE OR OUTSIDE DIMENSION	92	u	8ITCU97	26
CALIPER, OPEN OR CLOSE	VARIABLE	U	SITCOXX	25
CALIPER, SET WITH SCALE	VARIABLE	ü	BITCSXX	25

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

UPERATION/ELEMENT DESCRIPTION	THU VALUE	OCCUP- ATION	UWMST OP ELEMENT	PAGE
CALIPER.USE	VARIABLE	U	BITCUXX	25
CALIPER.USE.CHECK OUTSIDE DIAMETER WITH PRE-SET SPRING CALIPER	211	U	BITCUOS	26
CAMEHERMETICALLY SEALED).CLOSE OR OPEN	VARIABLE	U	MPKCCXX	12
CANLMETALI, OPEN WITH STATIONARY GRANK TYPE CAN OPENER, EMPTY CONTENTS, AND ASIDE CAN	VARIABLE	U	MPKCOXX	72
CAN. OPEN AND CLOSE, PRY TYPE LID TO SIX INCHES DIAMETER	VARIABLE	U	SPKCOXX	74
CAN-OPEN HITH STATIONARY, CRANK TYPE CAN OPENER	VARIABLE	U	BPKCUXX	70
CAN-SCREW CAP ON AND OFF	VARIABLE	U	MPKCSXX	72
CAPIOR PLUGI.INSTALL, PLASTIC THREADED	VARIABLE	U	MTFCIXX	81
CAP(OR PLUG), REMOVE, PLASTIC THREADED	VARIABLE	U	MTFCRXX	81
CHISEL(COLD), USE, FIRST OR ADDITIONAL BLOWS	VARIABLE	U	BTLCUXX	83
CLAMP(CLECO).INSTALL OR REMOVE	VARIABLE	U	MCPCLXX	14
CLAMP(C TYPE), INSTALL AND REMOVE	322	Ü	MCPCI01	14
CLAMPIC TYPE), TIGHTEN OR LOGSEN	75	U	MCPCTOL	14
CLAMP(SPRING), INSTALL	46	U	MCPC102	14
CLAMP(SPRING). INSTALL OR REMOVE, SMALL UP LARGE	VARIABLE	U	MCPSPXX	15
CLAMP, INSTALL AND REMOVE	VARIABLE	U	SCPCIXX	15
CLIPBOARD, OBTAIN, AFFIX, OR REMOVE DOCUMENT AND ASIDE	VARIABLE	U	MOHCOXX	63
CLOTH, WRING TO REMOVE EXCESS FLUED	38	U	BDPCWOZ	16
COAT, SPRAY(AEROSOL)	VARIABLE	υ	MSTCSXX	79
COMPARTMENTEDASHI, OPEN AND CLOSE	102	υ	MJPC002	35
COMPARTACNTITUCE), OPEN OR CLUSE MOUNTED ON TRUCK OR SIMILAR	73	U	AJPC001	35
COMPONENTI BAYONET TYPE I I INSTALL .	127	U	MJPC I 01	35
COMPONENT (SAYONET TYPE), REMOVE	69	U	MJPCR01	35
COMPOUND(SEAL) + SCRAPE UFF	351	U	MCLCSOL	10
CONTAINER(PLASTIC), CLOSE, SNAP-ON-LID	VARIABLE	U	BPKCCXX	70
CONTAINER, DUMP PARTS	35.	U	BOHCOOL	62
CONTAINER, DUMP PARTS	129	U	MOHCDO1	63
CONTROL (FOOT), OPERATE WITH PRESSURE	70	U	MACCOOL	2
CONTROL, ADJUST, ZERO METER WITH TOOL	161	U	MITCA04	30
CONTROL, ADJUST AND OBTAIN DIAL READING	165	. <b>u</b>	MITCAOL	29
CONTROL, ADJUST KNOB/DIAL AND READ	79	U	MITCA02	29
CONTROL, ADJUST WITH SCREWDRIVER, READ OSCILLOSCOPE	209	v	METCA03	30
CONTROLS, SET	JARIABLE	ບ	MACCSXX	3

# DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	ANTRE	OCCUP- ATION	DWMST DP ELEMENT	PAGE
CORD(ELECTRIC).CONNECT AND DISCONNECT	VARIABLE	u	MJPCCXX	35
CORD (E! ECTRIC EXTENSION), UNCUIL, CONNECT, DISCONNECT AND COIL	1186	. 4	MJPCU01	35
CORROSION, REMOVE FROM SPOT ON SURFACE	VARIABLE	U	SCLCRXX	13
COVER, REMOVE FROM PLASTIC CONTAINER, SNAP ON COVER, 1-7 INCHES DIAMFTER	39	u	BPKCR01	70
COVERALLS.PUT ON AND REMOVE	1145	U	MJPCP01	35
CRANK, ENGAGE ON SPLINES	31	บ	BACCE01	1
CRANK . MOVE MOTIONS	TABLE	U	TACCMXX	5
CRANK, TURN WITH CRANKING MOTION AND ALIGN	TABLE	U	TACCTXX	5
CRANK, WITH CRANKING MUTIONS	TABLE	U	TACCCXX	4
CREAM(HAND), APPLY	VARIABLE	U	SJPCAXX	41
DATE(CALENDAR).WRITE	VARIABLE	u	MWRDWXX	115
DATE. CHANGE. ADJUSTABLE RUBBER DATE STAMP	126	U	WIDDCOL	22
DECAL(NON-PRESSURE SENSITIVE), INSTALL	346	U	MIDDIOL	22
DECAL(PRESSURE SENSITIVE).INSTALL.TO 1.5 # 2.5 INCHES	449	•	\$100101	24
DECAL REMOVE WITH TOOL	368	u ·	MIDDROL	22
DIAL-CLEAN WITH CLOTH	61	Ü	BCLDC01	8
DIE(DR TAP), ASSEMBLE TO OR DISASSEMBLE FROM CHUCK OR HANDLE, HAND-HELD	VARIABLE	U	MTLDAXX	89
DIE(OR TAP), LUBRICATE WITH OIL FROM LEVER OR DIAPHRAGM TYPE CAN	56	u	BLUDL01	46
DIGIT(S)(MIXED NUMBER), READ & RETAIN	VARIABLE	U	BRDDRXX	76
DIGIT(S), ALPHA-NUMERIC, READ & RETAIN EYE TRAVEL TO & FROM NUMBER	TABLE	U	TRODAXX	77
DIGIT(S). NUMERIC. READ & RETAIN, EYE TRAVEL TO & FROM NUMBER	TABLE	U	TRODNXX	77
DIMENSION, MEASURE AND MARK	TABLE	IJ	SLODHXX	45
DIPSTICK.WIPE WITH CLOTH	45	· •	BCFD#01	8
DISENGAGE ONE OBJECT FROM ANOTHER OBJECT	VARIABLE	U	BELDEXX	17
DOCUMENT.ATTACH TO ITEM WITH RUBBER BAND	212	U	MPHDA01	69
DOCUMENT, DETACH FROM ITEM AND UNROLL, DOCUMENT SECURED WITH RUBBER BAND	139	U	MPHDD01	69
DOCUMENT. REMOVE FROM AND RETURN TO PLASTIC BAG	128	u	MPHDR02	70
DOCUMENT, REMOVE FROM BAG, UNFOLD, FOLD, AND REPLACE IN BAG	275	U	MPHDR01	70
DODRECABINET).CLOSE AND OPEN, SWING OR SLIDE	VARIABLE	U	MJPDCXX	36
DOOR(CABINET).CLOSE AND OPEN.UNLOCK AND LOCK	276	U	MJPDC05	36
DOOR(CABINET), CLOSE AND OPEN, SINGLE OR DOUBLE WITH LOCKING HANDLE OR KNOB	128	U	MJPDC06	36

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERS INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VAL UE	OCCUP- ATION	DWMST DP ELEMENT	PAGE
OGGRECABINET), CLOSE AND OPEN, SECURED WITH PIN LATCH	349	U	MJPDC07	36
DOOR ( OFFICE) . UNLOCK	143	U	MOHDUO1	65
DOOR (OVERHEAD), RAISE AND LOWER, MANUALLY	463	U	MOHDROL	65
DOOR ( PASSAGE) , CLOSE , SLIDING	138	U	MOHDOIO	64
DODR (PASSAGE), OPEN, SLIDING	111	U	MOHDO09	64
DOOR(PASSAGE). OPEN AND CLOSE WITH DOORKNOUS PUSH OR PULL REQUIRED TO OPEN DOOR	108	U	MOHDOO1	63
DOOR(PASSAGE). OPEN AND CLUSE, WITH DOORKNOBS AND CLOSER MECHANISM. PUSH REQUIRED TO OPEN DOOR	68	U	MOH0002	63
DOOR(PASSAGE). OPEN AND CLUSE, WITH DOORKNOB, PULL TO OPEN, WITH AUTOMATIC CLOSER	90	U	M0H0003	64
DOOR(PASSAGE), OPEN AND CLOSE, NO LATCH, PUSH TO OPEN, WITH AUTOMATIC DOOR CLOSER	75	U	MUHD004	64
DOOR(PASSAGE), OPEN AND CLOSE, NO LATCH, PULL TO OPEN, WITH AUTOMATIC DOOR CLOSER	114	U	MUHDO05	64
DOOR(PASSAGE), OPEN AND CLOSE, QUICK RELEASE PUSH TO OPEN, WITH AUTOMATIC CLOSER	91	U	MUHDO06	64
DOOR(PASSAGE), OPEN AND CLOSE, QUICK RELEASE, PULL TO OPEN, MITH AUTOMATIC CLOSER	127	U	MOH0007	64
DOOR(PASSAGE), OPEN AND CLOSE, TWO-WAY SHINGING	75	U	MOHDQ08	64
DRAWER(FILING CABINET).UNLOCK.OPFN.CLOSE.AND LOCK	492	U	Sacunot	62
DRAWERIFILING CABINETI-UNLUCK-OPEN, CLOSE-AND LOCK	719	U	SUGDUDE	62
DRAWER(STORAGE) + OPEN AND CLOSE	VARIABLE	u .	MJPDOXX	36
DRAWER(TOGL BOX). OPEN AND CLOSE	30	. u	MJP0009	37
DRILL, POSITION FOR DRILLING, MAND HELD PORTABLE POWER DRILL	VAPIABLE	U	MTPOPXX	105
DRUM(STORAGE), OPEN	170	υ	MPK DOOL	72
EARMUFFS, PUT ON AND REMOVE	131	U	MJPEP01	37
EDGE MASK WITH PAPER TAPE	VARIABLE	U	MNFEMXX	49
ENVELOPE(PARTS), OPEN AND REMOVE CONTENTS	VARIABLE	U	MPK EDXX	72
ENVELOPE, OPEN, EMPTY, AND ASIDE	TABLE	U	TPKEOXX	74
ENVELOPE, OPEN BY TEARING END	VARIABLE	U	BPKEOXX	71
EXTENDED DISTANCE	7	U	BELEDOI	18
EYE, FOCUS ON OBJECT	7 .	<b>u</b>	8ELEF01	18
EYE, TRAVEL	VARIABLE	. U	BELETXX	18
EYE.TRAVEL FROM POINT TO POINT TO INSPECT	TABLE	U .	FITETXX	32
EVE TIMES, SHIFT FROM POINT TO POINT	VARIABLE	U	BITETXX	26
FASTENER(THREADED), GET(EASY) AND START(VISIBLE)	VARIABLE	U	MTFFGXX	81

#### DEFENSE WURK MEASUREMENT STANDARD TIME DATA NOUN/YERR INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUF	OCCUP— AT I ON	DWMST OP ELEMENT	PAGE
HAMMER(LIGHT).STRIKE ONE BLOW	VARIABLE	u .	BTLHLXX	84
HAMMER(MEDIUM) .STRIKE ONE BLOW	VARIABLE	U	BTLHMXX	84
HAMMER.USE, STRIKE ONE BLUN	TABLE	¥	TTLHUXX	98
HAND, IMMERSE IN FLUID, REMOVE, AND SHAKE TO REMOVE EXCESS	•0	U	BOPHIOL	16
HAND, WIPE WITH CLOTH OR PAPER TOWEL	160	U	MCL HWO2	10
HANDLEE TT : ENGAGE AND DISENGAGE OR USE TO TURN UBJECT	VARIABLE	U	BTEWHXX	87
HANDLE(SPEED), ATTACH TO AND REMOVE FROM PART OR TURN HANDLE ONE THREAD	VARIABLE	U	BTLWSXX	87
MANDS CLEAN BY DIPPING IN FLUID CLEANER	420	. U	NCLHC01	10
HANDS.WIPE WITH CLOTH OR PAPER TOWEL	271	u ·	WCTHM01	10
HARNESS JUNGRAP VINYL TAPE FROM 1-3 INCHES OF	320	U	WMHHOO I	111
MARNESS, WRAP 1-3 INCHES OF MARNESS WITH 1/2 INCH VINYL TAPE-RESTRICTED	2856	U	пинниоз	111
HAT, PUT ON AND REMOVE	¥AR I ABL €	U	XX4H9LM	36
HATCHET, USE, STRIKE FIRST OR ADDITIONAL BLOW	VARIABLE	u	BTLHUXX	84
HEAT SINK, OPEN AND CLOSE	20	U	B#HH001	108
HOLE, COUNTERSING OR DEBURR, 1/16 INCH DEPTH AND TO 5/8 INCH DIAMETER, ALUMINUM MATERIAL	VARIABLE	U	MTPHCXX	105
HOLE, REAM BY HAND	VARIABLE	U	MTLHRXX	89
HOLE, TAP	VARIABLE	U	STLHTXX	103
HOOK("S"), REMOVE FROM PART	42	U	MOHHRO1	65
HOOK, ATTACH AND DETACH TO/FROM 1TEM	197	IJ	MOHHAO1	65
HOOK, PLACE IN PART, S-TYPE HOOK	56	U	80HHP01	62
HORIZONTAL CHANGE(SIDESTEP OR TURN BUDY)	19	IJ	BBNHC01	. 6
HOSE(AIR), CONNECT OR DISCONNECT	VARIABLE	Ų	MJPHCXX	38
HOSE(AIR), WIND FOR STORAGE, 25 FEET LONG	557	U	NJPHW01	38
INDICATORIDIAL . ASSEMBLE TO MAGNETIC MASE	224	V	10AI 9LM	36
INDICATOR(DIAL).ASSEMBLE TO HEIGHT GAUGE	373	'n	SOAI9LN	38
INDICATOR(DIAL).DISASSEMBLE FROM MAGNETIC BASE	179	U	MJP IDO1	38
INDICATOR(DIAL).DISASSEMBLE FROM HEIGHT GAUGE	282	U	MJP1002	38
INDICATOR(DIAL)+READ	44	U	BITIRO1	27
INDICATOR(DIAL),SET	62	U ·	MITISOL	31
INDICATOR(DIAL), SET TO ZERO	49	U	SITISOL	27
INDICATOR(DIAL). USE TO CHECK POSITION OR SPOT	26	U	8110101	26
INDICATOR(DIAL), USE TO CHECK HEIGHT ON FLAT SURFACE, FIRST INCH	14	u	8[7]UOL	27
INDICATOR(DIAL).USE TO CHECK HEIGHT ON FLAT SURFACE	. 13	U	8171U02	27

# DFFENSE WURK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION ,	TMU VALUE	OCCUP- ATION	DWMST DP ELEMENT	PAGE
INDICATORIDIAL). USE TO CHECK MANDREL RUMOUT PER DIAMETER	95	v	BITMR01	27.
INDICATOR.ADJUST TO WORK.MAGNETIC BASE INDICATOR	182	U .	MITIAOL	31
INKEOR PAINTH APPLY TO STENCIL WITH DAUBER	VARIABLE	U	MIDAIXX	22
INKIOR PAINTS, APPLY TO STENCIL W/ROLLER	VARIABLE	·	XXAIDIM	23
INSTRUMENT(WRITING), MOVE TO NEXT WORD WHEN WRITING LONGHAND, LOWER CASE	8	U	SWRMOOL	114
INSULATION, STRIP FROM WIRE TO ONE INCH	49	U	BWHIS01	108
IRON(SOLDERING), CLEAN BY SHAKING	44	· <b>u</b>	MCL ICOL	10
IRON(SOLDERING),TIN	VARIABLE	U	XXTIHME	108
IRON(SOLDERING).TIN BEFORE SOLDERING OR AFTER CLEANING	VARIABLE	u ,	XXT]HWM	112
ITEM.LOCATE IN COLUMN STARTS-MITH BOOK OPEN TO DESIRED PAGE AND EYES	98	U	BRDILOL	76
JACKET, PUT ON AND REMOVE	324	U	MJPJP01	38
JAR, CLOSE, LED SCREWED ON HAND TIGHT	109	U	MPKJC01	73
JAR, CLOSE, SCREW TYPE LID	62	v	BPKJCOL	71
JAR, OPEN, SCREW TYPE LID	66	U	BPKJ001	71
JAR, OPEN, SCREW TYPE LID	113	U.	MPKJDO1	73
JAM (PARALELL) . TIGHTEN OR LOOSEN	VARIABLE	u	MCPPJXX	14
KEY, INSTALL, STRAIGHT MACHINE, LOUSE FIT, NO TOOLS NEEDED	87	U	MNFKI 02	50
KEY, INSTALL, STRAIGHT MACHINE, TIGHT FIT, USE OF HAMMER AND DRIFT PUNCH REQUIRED	293	U	MNFK [03	50
KEY, INSTALL, WOODRUFF WITH MANNER AND DRIFT PUNCH	311	u ·	MNFK 101	50
KEY, REMOVE, STRAIGHT MACHINE, LOOSE FIT, NO TOOLS REQUIRED	38	Ū	MNFKRD2	50
KEY, REMOVE, STRAIGHT MACHINE, HAMMER AND DRIFT PUNCH REQUIRED	258	U	MNF KRO3	50
KEY, REMOVE, TAPERED MACHINE, HAMMER AND PUNCH REQUIRED	286	U	MNFKR04	50
KEY.REMOVE, MOODRUFF, WITH HAMMER AND DRIFT PUNCH	370	. <b>u</b>	MNFKR01	50
KNIFE(POCKET), OPEN AND CLOSE	136		SJPKOO1	42
KNIFE.USE, TO CUT OR SCRAPE, PER STROKE	VARIABLE	u .	BTLKUXX	84
KNOB(CONTROL), UNLOCK AND LOCK	74	U	MACKUOL	3
KNOB, DIAL SET OR ALIGN PUINTER WITH TURN UP TO 180 DEGREES	VARIABLE	U	BACKDXX	1
KNOT, TIE(ROPE), BARREL HITCH, TIMBER HITCH, OR STOPPER	267	U	BNF KT 09	49
KMOT, TIE(RUPE), BOWLINE	100	U	BNFKTOB	49

# DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP— AT LON	DWMSTDP ELEMENT	PAGE
KNOT.TIE(ROPE),CLOVE HITCH	147	u	BNFKT07	48
KNOT.TIE(ROPE).HALF HITCH	78	U	BNFKT06	48
KNOT.TIE(ROPE).SQUARE	164	U	BNFKT10	49
KNOT, TIE (STRING), BOWLINE, USING SINGLE END OF LINE	. 83	<b>u</b>	BNFKT05	48
KNOT, TIE, (STRING), SLIP HALF HITCH, USING SINGLE END OF LINE	95	U	BNFKT03	48
KNOT. TIE. CLOVE HITCH, USING SINGLE END OF LINE	70	U	BNFKT04	48.
KNOT, TIE, HALF HITCH, USING SINGLE END OF LINE	101	U	BNFKT02	48
KNOT, TIE, SQUARE, USING TWO ENDS OF STRING	215	U .	BNFKTOL	· 48
LACE, TIF CLUVE HITCH AND OVERHAND KNOT	VARIABLE	U ,	SMHLT01	109
LACING(CORD), UNWIND FROM SPOOL PER FOOT	30	U	BWHLU01	109
LACING CORD, UNWIND ONE FOOT FROM SPOOL	85	Ü	MWHLU01	112
LADDER(FXTENSION).CLIMB AND DESCEND	YARIABLE	U	MBMCLXX	7
LADDER(VERTICAL), CLIMB UP AND DOWN ONE RUNG OR STEP	VARIABLE	U .	MBMLCXX	. 7
LADDER, MOVE TO NEW LOCATION	211	U	MJPLM01	39
LATCH, TURN TO CLOSE BOX OR CONTAINER	48		MNFLT01	51
LATCH, TURN TO OPEN BOX OR CONTAINER	47	U	MNFLT02	51
LEAD(COMPONENT), MEASURE AND CUT TWO ENDS TO LENGTH	144	<b>U</b> `	MMHLMO1	112
LEAD(COMPONENT).STRAIGHTEN WITH HANDS	162	ű	MWHLS01	112
LEAD, CHOOSE FROM WIRE BUNDLE	43	· U	MWHLC01	112
LEAD, DRESS WITH PLIERS	198	U	MMHLD01	112
LEAD, MEASURE AND CUT TO LENGTH	165	U	MMHLMOZ	112
LEAD, THIST ON TERMINAL	VARIABLE .	U .	BWHTLXX	109
LEAD, TWIST STRANDED WIRE BY HAND	51	U ·	MWHLT01	112
LEG, MOVE, TO 21 INCHES	VARIABLE	Ų	BBMLMXX	6
LETTER, PRINT, UPPER UR LOWER CASE	VARIABLE	U	BURLPXX	114
LETTER, MRITE, LUNGHAND	VARIABLE	v	BWRLLXX	114
LEVER(NON-SQUEEZE), UNLATCH OR LATCH	13	U	BACLU01	1
LEVER, ENGAGE, OR DISENGAGE	37	U	MACLEOL	3
LEVER.MOVE	TABLE	. U	TACLMXX	5
LEVER, SEAT TO MESH GEARS	16	, <b>u</b>	BACLS01	1
LEVER.TURN ON AND OFF(AIR VALVE OR SIMILAR)	102	Ų	MACLTO1	3
LEVER, UNLATCH TO DISENGAGE, SQUEEZE TYPE LATCH	19	U .	BACLU02	1
LID(BOX).REMOVE	45	U	MPKLR01	73
LID.CLOSE.PRY OPEN TYPE CAN TO 6 INCHES DIAMETER	306	U	MPKLC01	73

# DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERS INDEX

OPERATION/ELEMENT DESCRIPTION	THU VALUE	OCCUP- AT,ION	UWMSTOP ELEMENT	PAGE
LID. INSTALL AND SEAL ON FIVE-GALLON CONTAINER, 16 PRY TABS	1016	u	MPKL102	73
LID-INSTALL ON CAN	160	U	MPKL101	73
LID.PRY OFF CAN TO 6-INCH DIAMETER	382	U	MPKLP01	73
LID. REMOVE AND REPLACE, TRASH CAN OR SIMILAR TO 24 INCHES DIAMETER	VARIABLE	, U	MUHLRXX	65
LID, REMOVE FROM FIVE-GALLON CONTAINER, 16 PRY TABS	744	. <b>y</b>	MPKLRO2	73
LINE, DRAW USING SQUARE	43	U	BLOLDO1	43
LINE, SCRIBE, EXACT POSITION, METAL SURFACE	125	U	MLOLS13	45
LINE, SCRIBE, TO SCALE OR STRAIGHTEDGE	VARIABLE	U	BLOLSXX	43
LINE, SCRIBE TO SCALE(STRAIGHTEDGE)	VARIABLE	U	MLOLSXX	44
LOCK(LATCH), CLOSE AND LOCK	VARIABLE	u	MNFLCXX	51
LOCK(LATCH), OPEN AND MOVE ASIDE	VARTABLE	U	MNFLOXX	51
LUBRICANT, APPLY TO FITTING WITH BUTTON TYPE	34	U	BLUGBOI	46
LUBRICANT, APPLY TO FITTING WITH HAND OPERATED LEVER TYPE GUN(PER STROKE)	36	U	8LUGL01	46
LUBRICANT, APPLY TO SMALL OBJECT	VARIABLE	U	SLUALXX	47
LUBRICANT.APPLY TO ZERK FITTING WITH MAND OPERATED GUN	TABLE	U	SLULAXX	47
LUBRICANT, APPLY WITH OIL CAN(PER LINEAR FOOT)	23	U	BLUOLOI	46
LUBRICANT, APPLY WITH TUBE TO AREA, I INCH X	26	U	BLUTAOL	46
LUBRICANT, APPLY WITH TUBE TO SPOT, 1/4x1/4	20	u	BLUTSOL	47
MACHINE, START AND STOP WITH PUSH BUTTON OR ROTARY SWITCH	104	ú	MACMSOL	3
MACHINE, START OR STOPEPUSH TYPE SWITCH)	34	Ú	MAC MS 02	3
MARKER(E-Z CODE),APPLY	418	U	MWHMA01	113
MASK(FACE), PUT ON AND REMOVE, AIR FILTERING, DISPOSABLE TYPE MASK	204	Ü	<b>МЈРМРО1</b>	39
MATERIAL (CLOTH), CUT WITH SCISSORS	VARIABLE	U	MTLMCXX	90
MATERIAL, CUT ALONG STRAIGHTEDGE WITH KNIFE	VARIABLE	U	BTLMCXX	84
MATERIAL, MEASURE LENGTH OF	VARIABLE	U	MGMMMXX	20
MICROMETER(DEPTH), USE WITH PARALLEL BARS	VARIABLE	· <b>u</b>	SITMUXX	34
MICROMETER (INSIDE), SET UP WITH TWO EXTENSIONS	1659	U	SJPMSOL	43
MICROMETER (OUTSIDE), MEASURE DIMENSION AND READ	TABLE	U	XXMMTLT	33
MICROMETER, MEASURE DEPTH	VARIABLE	U	MITMMXX	31
MICROMETER, USE	VARTABLÈ	ຍ	MITHUXX	31
MICROMETER.USE(REMOVE AND REPLACE EXTENSION ON INSIDE MICROMETER)	343	Ü	MITHUO6	31

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERS INDEX

OPERATION/ELEMENT DESCRIPTION	VALUE	OCCUP- ATION	DWMST DP ELEMENT	PAGE
MICROMETER, USE-CHECK UBJECTS OF DIFFFRENT SIZE	427	· u	MITMU04	31
NICROMETER, USE-CHECK OBJECTS OF SAME SIZE	380	U	MITMUOS	31
MICROMETER, USE, CHANGE POSITION OF THINGLE FOR MAKING CHECK UF SIZE DIFFERENT FROM PRIOR CHECK	140	U	SITMU03	28
MICROMETER, USE, CHECK INSIDE DIAMETER OR BETWEEN TWO SURFACES	265	U	MITHU07	32
MICROMETER, USE, READ SCALE	VARIABLE	U	SITMUXX	28
MICROMETER.USE.TO CHECK PARTICHANGE SETTING.BIT-MU-03.NOT NECESSARY)	74	u	BITHU05	26
MICROMETER, USE TO CHECK PART AFTER CHANGE SETTING, BIT-MU-03	22	u	81THU04	28
NAIL, SET AND DRIVE	TABLE	U	TNFNSXX	57
NUZZLETAEROSOL PAINT SPRAY CAND, CLEAR	67	U	MPTNCOL	76
NUMBER(S), ALPHA-NUMERIC, READ AND VERIFY, EYE TRAVEL FROM DOCUMENT TO DOCUMENT	TABLE	U	TRDNAXX	77
NUMBERIS).NUMERIC.READ & VERIFY.EYE TRAVEL FROM DOCUMENT TO DOCUMENT	TABLE	u	TRONNXX	78
NUMBER, COPY FROM SOURCE DOCUMENT	TABLE	Ú	TWRNCXX	116
NUMBER-READ-FIRST OR ADDITIONAL , NO EYE TRAVEL	VARIABLE	U	BRONRXX	76
NUMBER, WRITE, PER DIGIT	16	U	8WRN001	114
NUMBERS, MULTIPLY (READ, TRANSPOSE)	TABLE	U	TOGNMXX	61
NUT(SMALL), POSITION AND ENGAGE ON BOLT	57	¥	STF NPO2	79
NUT, POSITION ON STUD	32	U	8TFNP01	79
NUT AND MASHER, POSITION ON STUD	VARIABLE	U	MTFNPXX	82
OBJECT(HEAVY), SLIDE ON FLOOR	590	•	HOHOSO1	66
OBJECT.CLEAN.PER STROKE	TABLE	u	TCLOCXX	12
OBJECT, CLEAN WITH BRUSH, PER SQUARE FOOT	VARIABLE	Ŋ	NCLOCXX	10
OBJECT, CLEAN WITH BRUSH AND SOLVENT	88	U	NCL DC 03	10
OBJECT, DIP IN VISCOUS MATERIAL SUCH AS GREASE, RED LEAD OR SINILAR	63	u	8090001	17
OBJECT, EXAMINE SURFACE CONDITION VISUALLY WITH NAKED EYE	TABLE	U .	TITOEXX	33
OBJECT, GAIN CONTROL AFTER GET HANDFUL OF OBJECTS	38	U	80H0G01	62
OBJECT, GET, PLACE TO USE, AND PLACE ASIDE	TABLE	U	TPL OGXX	75
OBJECT, GET AND PLACE	TABLE	U	TGTOGXX	. 21
OBJECT. HANG ON HOOK	VARIABLE	. U	SCHOHXX	68
OBJECT.IMMERSE IN LIQUID OR PASTE	TABLE	u	TOPOIXX	17
OBJECT, OBTAIN	TABLE	U	TGTOOXX	21
OBJECT, PENCIL, GET FROM SHIRT POCKET	65	u ·	NOHOGO1	66

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	DCCUP- ATION	DWMSTDP ELEMENT	PA GE
OBJECT.PICK UP AND SET DOWN	VARIANLE	U	MOHPOXX	66
OBJECT, PLACE IN SHIRT POCKET, SUCH AS PENCIL, SCRIBE, OR SCALE	73	U	MUHUPO1	66
OBJECT.PLACE WITH A COMBINATION OF MOVE AND/OR POSITION MOTIONS USING THE HAND(S) OR FINGERS	TABLE	U	TPLOPXX	75
OBJECT, REPOSITION AT MORKPLACE BY SLIDING OR Lifting and turning, object to so pounds Weight, turn to 180 degrees	TABLE	U	TOHORXX	67
OBJECT, START MOVEMENT BY PUSHING	42	U	MMHOSO1	47
OBJECT, START MOVING BY PUSHINGLWHEELED OBJECT)	30	u	BNHOSO1	47
OBJECT, TURN ABOUT HORIZONTAL OR VERTICAL AXIS TO 180 DEGREES, OBJECT ATTACHED TO STAND OR FIXTURE, EFFECTIVE NET RESISTANCE (ENR) TO SO POUNDS	TÄBLE	U	. TOHOTXX	67
OBJECT, UMMRAP	178	U	MPKOUO1	74
OBJECT, WASH	VARIABLE	ΰ	MCL DWXX	10
OIL, APPLY TO SPOT WITH DIAPHRAGM TYPE OIL CAN	15	U	8LU0502	46
DIL.APPLY TO SPOT WITH TRIGGER TYPE DIL CAN	18	u	8LU0501	46
PAGE, FIND, IN MANUAL	214	U	MRDPF01	76
PAINT (GREASE OR VARNISH), APPLY WITH BRUSH	63	U	8PAPA01	68
PAINT.APPLY TO IDENTIFICATION PLATE	609	U	HIDPAOL	23
PAINT, APPLY WITH BRUSH	VARIÁBLE	U	SPÄPAXX	69
PAINT, APPLY WITH BRUSH ATTACHED TO BOTTLE CAP	VARIABLE	U ,	SPAAPXX	69
PAINT, SPRAY	VARIABLE	U	BPAPSXX	69
PAINT, SPRAY	VARIABLE	U	MPAPSXX	69
PAPER(STENCIL).CUT ON PAPER CUTTER	VARIABLE	U	MJPPCXX	39
PART, CLEAN(BY HAND) WITH SOLVENT	TABLE	u	TCLPCXX	12
PART, CLEAN WITH AIR	VARIABLE	Ů	MCLPCXX	. 11
PART, CLEAN WITH RAG	VARIABLE	U	BCLPCXX	9
PART. HANG WITH "S" HOOK	VARIABLE	U	ВОНРНХХ	62
PART, IMMERSE AND SHAKE	VARIABLE	Ú	BOPPIXX	17
PART, INSTALL INTO HOLE OR ONTO SHAFT	TABLE	U	TDAPIXX	16
PART, LOOSEN WITH MALLET AND REMOVE	TABLE	. U	TTLPLXX	98.
PART, PICK UP AND SET DOWN	180	ប	MOHPPO1	66
PART, PLACE IN AND REMOVE FROM VISE	256	U	MVSPP01	107
PART, REMOVE FROM MATING PART BY PUSHING WITH THUMBS	95	U	MDAPRO8	16
PART, REMOVE FROM MATING PART WITH FINGER	137	U	MGAPRO9	16
PART, REMOVE FROM MOUNTING LOCATION OR MATING PART	VARIABLE	U	HDAPRXX	15
PART, REMOVE FROM MOUNTING LOCATION OR MATING PART, TIGHT FITTING PARTS	156	U	MDAPRO7	15

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NUUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATIUM	DWMST DP ELEMENT	PAGE
PART.REMOVE WITH PRY TOOL	124	u	SOHPRO1	68
PARTS, SEPARATE BY PULLING	VARIABLE	U	BOHPSXX	63
PASTE, APPLY WITH BRUSH	173	u	MNFPA01	51
PEDAL DEPRESS	33	U	BACPD01	1
PIN, INSTALL, VARIOUS TYPES	VARIABLE	U	MNFPIXX	52
PIN, PREPARE TO PRESS(INSTALLATION)	107	U	MNF PPO2	52
PIN.PREPARE TO PRESS(REMOVAL)	40	U	MNFPP01	52
PIN, REMOVE, VARIOUS TYPES	VARIABLE	U	MNFPRXX	53
PLATE , MASK EDGES WITH TAPE PRIOR TO PAINTING	VARIABLE	U	SJPPMXX	43
PLIERS(CONVENTIONAL), USE TO CUT, CRIMP, OR GRIP AN OBJECT	VARIABLE	U	BTLPCXX	85
PLIERS(SLIP JOINT).ADJUST	75	U	BTLPAO2	85
PLIERS(VISE GRIP), CLOSE ON OBJECT AND OPEN TO REMOVE	65	<b>U</b>	BTLPC03	85
PLIERS(VISE GRIP)ADJUST	72	U	BTLPAOL	84
PLUGIOR CAPI, INSTALL, NON-THREADED PLASTIC	93	U	MMF I PO1	49
PLUGIOR CAP), REMOVE, NON-THREADED PLASTIC. USING A SCREHDRIVER	VARIABLE	<b>U</b> .	MMFRPXX	53
PLUG, INSERT IN AND REMOVE FROM RECEPTACLE	112	, n	MJPP101	39
PLUG, PUT IN AND REMOVE FROM EAR	685	υ	MJPPP01	39
PLYHOOD, MANHANDLE	VARIABLE	Ù	SOHPMXX	. 68
POINT, MARK	<b>5</b> ŭ	U	8LOPMO1	44
POINT, MARK WITH PENCIL	188	· U	MLOPM01	45
POSITION, CHANGE	TABLE	U	TBMPCXX	8
PRESS(ARBOR) + ACTUATE TO INSTALL OR REMOVE PIN OR CYLINDRICAL PART	TABLE	U	TNFPAXX	58
PUMP ( PRESSURE ) . PUMP	VARIABLE	'- u	STLPPXX	104
PUNCH (CENTER) + STRIKE	97	U	MTLPSO1	.90
PUNCTUATION, ANNOTATE	VARIABLE	U .	SURPAXX	114
RAG, GET FROM COVERED CAN	137	. <b>u</b>	MJPRGOL	39
RATCHET(AND SOCKET), ENGAGE ON AND DISENGAGE FROM PART	26	<b>U</b>	STLUROL	87
RATCHET, USE TO TURN PART	TABLE	U	TTLWRXX	99
REAMER, ASSEMBLE, POSITION, DISASSEMBLE	572	u	STLRAGI	104
REGRASP	6	u ,	BELRGOI	18
RETAINER(TRU-ARC), INSTALL OR REMOVE	VARIABLE	·· u	MMFRTXX	54
RETAINFR, REMOVE, RING, SPRING, LOCKWIRE OR FLAT STEEL, USING TOOLS	865	u	MNFRR02	53
RETAINER, REMOVE, SNAP UN CLIP TYPE, USING PLIERS	146	U	MNFRR03	53

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTDP ELEMENT	PAGE
RETAINER, REMOVE, SNAP RING, INTERNAL OR EXTERNAL USING SNAP RING PLIERS	136	U	MNF RRO1	53
RING(SNAP), INSTALL, INTERNAL OR EXTERNAL, UP TO ONE INCH FROM END OF PART USING SPECIAL SNAP RING PLIERS	271	U	MNFR101	53
ROD. EXAMINE VISUALLY WITH NAKED EYE	VARIABLE	U	BITREXX	29
RULE(SIX-FOOT FOLDING).USE	VARIABLE	U	MGMRUXX	20
RULE, READ TO COMPARE MARK ALIGNMENT	22	U	BGMRRO1	20
SCALE,USE .	VARIABLE	U	MGMSUXX	20
SCISSORS(OR SHEARS), CUT	VARIABLE	U	BTLSSXX	86
SCREW, TURN IN AND TIGHTEN OR LOOSEN AND TURN OUT WITH SCREWDRIVER	VARIABLE	U	MTLSTXX	91
SCREWDRIVER (SPIRAL), USE	TABLE	U	TTLSPXX	98
SCREWORIVER, CONVENTIONAL, USE	VARIABLE	U	BTLSCXX	85
SCREWORIVER, RATCHET, USE	VARIABLE	U	BTLSRXX	86
SCREWDRIVER, USE FOR FINAL TIGHTEN OR INITIAL LOOSEN	31	U	BTLSUOI	86
SEATBELT, FASTEN AND UNFASTEN	177	U	MEVSF01	19
SHEETIS).SCAN FOR FAMILIAR REFERENCE POINT(S). LETTER SIZE SHEETS	TABLE	U	TRDSSXX	78
SHOVEL, USE	221	<b>u</b>	MTLSU02	91
SHOVEL, USE, TO MOVE LOOSE MATERIAL SUCH AS SAND OR GRAVEL	155	U	MTL SUO1	91
SIGNATURE, WRITE LONGHAND, FIRST NAME, MIDDLE INITIAL, AND LAST NAME	224	Ü	MWRSWOL	115
SIT AND STAND	VARIABLE	U	BBMSSXX	6
SMOCK(TIE TYPE), PUT ON AND REMOVE	879	U	MJPSP01	40
SNIPS, OPEN , POSITION TO WORK, CLOSE AND PLACE ASIDE	. 99	U	MTLSOOL	91
SOCKET, ATTACH TO ADAPTER AND ATTACH ADAPTER TO HANDLE	132	U	BTLSAGL	85
SOCKET. CHANGE. 1/4, 3/8, OR 1/2 INCH DRIVE WITH BALL AND SOCKET LOCK	121	U	MTLSCOL	90
SOCKET, DISENGAGE FROM ADAPTER AND REMOVE ADAPTER FROM HANDLE	62	U	BTLSD01	85
SPAGHETTI, APPLY-MEASURE, CUT AND INSTALL	<b>202</b>	U	MWHSA01	113
SPAGHETTI, SLIDE	22	U	MWHSS01	113
SPOT.CLEAN ON FLAT OR IRREGULAR SURFACE WITH PICK AND AIR	VARIABLE	U	SCLCSXX	13
SQUARE, ALIGN TO MARK	44	υ	BGMSA01	20
SQUARE, USE(PART IN MAND)	139	U	8GMSU01	20
SQUARE, USE ( PART ON BENCH)	216	U	egmsuo2	20
STAMPIGANG), SET UPILO MARKERS)	2800	U	MIDSSO1	23

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTDP ELEMENT	PAGE	
STAMP(METAL), STRIKE WITH HAMMER	65	u	BIDSSOL	22	
STAMP (RUBBER) , APPLY	VARIABLE	U	MIDASYX	2.2	
STAPLE, INSTALL WITH PLIER GRIP STAPLER	51	U	NNFS101	54	
STAPLE, REMOVE, 3/8 UR 1/2 INCH, USING PLIER TYPE STAPLE REMOVER	86	U	MNF SROL	54	
STENCIL, AFFIX ON ROLL STAMP, TEST AND REMOVE	219	Ü	10AZQLM	39	
STENCIL, APPLY, PAINT, AND REMOVE	1416	U	SIDSAOL	24	
STENCIL, APPLY WITH BLOCK STAMP	94	U	MIDSAOL	23	
STENCIL, CUT, ELECTRIC	VARIABLE	U	MTL SEXX	90	
STENCIL CUT MANUAL	VARIABLE	Ü	MTLSHXX	90	
STENCIL, POSITION TO SURFACE	68	Ų	MIDSPO1	23	
STEPLADDER, OBTAIN FROM FLOOR, SET UP, TAKE DOWN, AND ASIDE TO FLOUR, LADDER TO 12 FEET TALL	772	U	NJPS001	40	
STRAIGHTEDGE, ALIGN, TO POINTS OR LINE	189	U	BLOSAGI	* 44	
STRAIGHTEDGE, CLAMP TO PART WITH THREE C-CLAMPS	994	U	SUPSCOL	<b>43</b>	
STRING.CUT AND OPEN BAG	158	U,	MPKSC01	74	
SURFACE (LINEAR), LUBRICATE WITH BPUSH, CLOTH, FINGER, OR STICK	VARIABLE	U	BLUBLXX	45	
SURFACE(SPDT).LUBRICATE WITH BRUSH,CLOTH. FINGER,OR STICK	VARIABLE	U	BLUBSXX	46	
SURFACE.CLEAN.WITH BRUSH.MEDIUM RESISTANCE	VARIABLE	U	MCL SCXX	11	
SURFACE.CLEAN WITH AIR	160	U	BCLSC06	9	
SURFACE, CLEAN WITH SANDPAPER	Di 1584	U	MCL SCO3	14	
SURFACE.CLEAN WITH SCRAPER		U	BCLSCXX	. 9	
SURFACE.CLEAN WITH SOLVENT AND CLOTH	VARIABLE	U	SCLSCXX	13	
SURFACE.CLEAN WITH WIRE BRUSH	476	U	BCLSC05	9	
SURFACE, CLEAN WITH WIRE BRUSH, EMERY CLOTH AND RAG-PER FOUR LINEAR INCHES	334	U	HCL SCO4	11	
SURFACE, SCRAPE TO CLEAN	VARIABLE	U	MCLSSXX	11	
SURFACE, WIPE WITH CLOTH	VARIABLE	U	MCLSWXX	11	
SURFACE, WIPE WITH WET CLOTH	VARIABLE	U	SCL SHXX	14	
SWITCH, PUSH TO TURN ON OR OFF	VARIABLE	U	BACSPXX	1	
SWITCH, TURN	VARIABLE	U	BACSTXX	2	
SWITCHES, OPERATE, CONTROL PANEL	VARIABLE	U	MAC SOXX	3	
SYMBOLS, WRITE	VARIABLE	Ü	Birswxx	115	
TAGEOR ENVELOPE), ATTACH TO OBJECT WITH WIRE (TWISTED)	271	U	MIDTAQ5	24	
TAG, ATTACH STRING	436	. U	MIDTA04	74	
TAG.ATTACH TO OBJECT.WITH STRING(TIFD)	239	Ú.	LOATGIM	23	

#### DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VÄLUF	GCCUP- ATION	OWMST DP ELFMENT	PAGE
TAG, ATTACH TO OBJECT BY FORMING SLIP LUOP IN STRING	249	u	MEDTA03	23
TAG.ATTACH TO OBJECT WITH STRING(TAG PULLED THROUGH LOOP)	185	U	MIDTA02	23
TAG.ATTACH TO OBJECT WITH WIRE(LOOPED AND TWISTED)	317	U	MIDTA06	24
TAG,ATTACH WIRE	356	U	MIDTA07	24
TAG, REMOVE FROM OBJECT	VARIABLE	U	MIDTRXX	24
TAP(OR DIE).CUT ONE THREAD	VARIABLE	U	BTLTDXX	86
TAPE(ADHESIVE), ATTACH TO DESIRED POSITION	VARIABLE	U	MNFTAXX	54
TAPE (MASKING), REMOVE	191	U	MNFTK03	55
TAPE(PLASTIC), CUT PIECE FROM ROLL	VARIABLE	U	SNFTCXX	61
TAPE-ATTACH TO PART AND WRITE IDENTIFICATION ON TAPE	640	U	SECTACE	25
TAPE, CUT TO OPEN BOX, TAPE ON TWO SIDES AND MIDDLE OF BOX TOP	TABLE	Ü	TPKTCXX	74
TAPE, CUT WITH KNIFE TO OPEN PACKAGE, BOX, ETC.	VARIABLE	u	8PKTCXX	71
TAPE, GET FROM DISPENSER, 6 INCH LENGTH UF TAPE	65	u	MNF TG01	54
TAPE, REMOVE FROM OBJECT	97	U	MNFTRO2	55
TAPE, REMOVE FROM ROLL	167	U	MNFTROL	55
TAPE. TEAR FROM LOOSE ROLL DISPENSER	VARIABLE	U	MNFTTXX	55
TERMINAL, MOUNT TO CHASIS	285	u	MWHTM01	113
TIME, OBSERVE	27	U	BEL T001	18
TOGL(ELECTRIC POWER), DISCONNECT AND WIND CORD AROUND TOOL	240	U	MTPTDOL	105
TOOLIELECTRIC POWER) . UNWIND CORD AND CONNECT PLUG	216	U	MTPTU01	106
TOOL(TWO HANDLES),GET AND ASIDE	69	U	MTLTG01	91
TOOL, GET FROM AND RETURN TO TOOL DRAWER	VARIABLE	ų .	MJPTGXX	40
TOOL, INSTALL IN AND REMOVE FROM CHUCK OF PORTABLE DRILL MOTOR	486	U	STPTIOL	106
TOOL, OBTAIN FROM OPEN TOOLBOX AND ASIDE TO TOTE BOX OR BENCH TOP	77	u	MTLTOOL	92
TOOL, PLACE IN CHUCK AND TIGHTEN	190	u	MTPTPOL	105
TOOL, REMOVE, FROM AND RETURN TO BELT KIT	132	U	MTL TRO1	92
TOOL.REMOVE FROM CHUCK	120	Ų	MTPTRO1	106
TOOL, START(DRILL OR SIMILAR WITH TRIGGER SWITCH)	22	u	MACTS01	4
TOOL, USE(ADDITIVE FOR INSTALLATION OR RÉMOVAL OF SELF LOCKING FASTENERS)	VARIABLE	U	BTLTUXX	86
TOOLBOX(MACHINIST). OPEN AND CLOSE	VARIABLE	U	MJPTOXX	40
TOOLBOX, OPEN AND CLOSE, STORAGE TYPE 2.5%5%1.5 FEET	195	Ü	MJPT003	40

## DEFENSE WORK MEASURFMENT STANDARD TIME DATA NOUN/VERS INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTDP ELEMENT	PAGE
TOOLBOX.OPEN AND CLOSE LID	70	U	MJPT004	40
TOOLBOX, UNLOCK, OPEN, CLOSE, AND LOCK	158	U	MJPTU01	41
TORCH(PORTABLE PROPANE), ASSEMBLE/DISASSEMBLE	VARIABLE	U	XXATQLZ	43
TRIPOD(WITH VISE), SET UP TO USE OR TAKE DOWN AFTER USE, EFFECTIVE NET WEIGHT TO 30 POUNDS	VARIABLE	U	MVSTSXX	107
TRUCK(PICKUP), BOARD AND DISMOUNT BACK END	701	U	MBMTB01	7
TRUCK, HOUNT AND DISHOUNT	521	U	MEVTM01	19
TRUCK, START AND STOP	395	U	MEVTSOL	19
TUBING.CUT WITH HAND HELD TUBE CUTTER.COPPER OR ALUMINUM TUBING 1/4-1/2 INCH DIAMETER	690	U	MTLTCOL	91
TURNLOCK, FASTEN OR UNFASTEN(DZUS, CAMLOCK, ETC.)	VARIABLE	U	MAFTEXX	54
TURN MRIST, SHIFT GRASP AND TURN, WITH OR WITHOUT PRESSURE	VARIABLE	U	BELTSXX	18
TURN WRIST, TURN ONLY, WITH OR WITHOUT PRESSURE	VARIABLE	U	BELTWXX	18
VALVE(STEM TYPE), OPEN OR CLOSE WITH ONE HAND	VARIABLE	U	BACVSXX	2
VALVE-OPEN AND CLOSE	VARIABLE	Ü	MACVCXX	4
VALVE, OPEN OR CLOSE	VARIABLE	ž Ú	MACVOXX	. 4
VALVE. OPEN OR CLOSE	36	U	MAC VOO3	4
VALVE, PETCOCK, OPEN OR CLOSE	22	u	BACVP01	2
VEHICLE ,TRAVEL	VARIABLE	Ü	BEVVTXX	19
VERTICAL CHANGE	VARIABLE	u ·	88MVCXX	7
VISE(BENCH), OPEN AND CLOSE(1/4 INCH)	291	U	MVS VCO1	107
VISEIQUICK ACTING).LOOSEN OR TIGHTEN	VARIABLE	U	XXADZVM	107
VISE, ROTATE	VARIABLE	U	MVSRVXX	107
VISE.TIGHTEN AND LOOSEN WITH WRENCH	173	U .	MVSVTOL	107
VISE.TIGHTEN OR LOOSEN BY HAND		U	MVSTLXX	107
MALK.OBSTRUCTED.PER PACE	17	u ·	8BMW001	7
WALK-UNDBSTRUCTED	VARIABLE		BBMWUXX	7
MASHER, ALIGN TO NUT BEFORE STARTING TO POSITION ON BOLT/SCREW	24	U	STFWAOL	80
WASHER, PLACE IN ALIGNMENT WITH NUT PRIOR TO STARTING NUT ON THREADS	62	u	MTFWPOZ	82
MASHER.PLACE ON BOLT OR SCREW	73	U	MTFWP01	82
WASHER. PLACE ON SCREW OR BOLT	VARIABLE	U .	BTFWPXX	80
WEIGHT FACTOR.FIRST AND ADDITIONAL	TABLE	U	TELWFXX	19
WHEEL JOG OR BUMP FOR FINAL SETTING	18	U	BACWJOI	2
WHEEL. MOVE RIM	TABLE	U	TACWMXX	5
WHEEL, POSITION TO SET DIAL OR POINTER	VARIABLE	U	BACWPXX	2
MHEEL, SHIFT GRASP AND TURN 1/3 REVOLUTION	TARLE	u	TACWSXX	6

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA NOUN/VERM INDEX

OPERATION/ELEMENT DESCRIPTION	TẠU VAL UF	ATION	DWMSTDP ELEMENT	PAGE
MMEELBARROW.PICK UP HANDLES AND PUT DOWN	160	· <b>U</b>	<b>BMH WPO 1</b>	47
WIRE(OR SOLDER), UNROLL FROM SPOOL, STX INCH LENGTH	35	U	WHHMOI	114
WIRE(SAFETY), CUT OFF EXCESS AND BEND END OVER, TWISTED SINGLE STRAND TO .0625 INCH DIAMETER	94	U	MNFHC01	55
WIRE(SAFETY), INSERT THROUGH HOLE	VARIABLE	U	MNFWIXX	55
WIRE(SAFETY), INSTALL, TWO-STRAND TWISTED BETWEEN UNOBSTRUCTED ANCHORS, WIRE TO .0625 INCH DIAMETER	TARLE	U	TNEWIXX	60
WIRE(SAFETY), INSTALL USING SAFETY WIRE TWISTING PLIERS	VARIABLE	U	MNF ISXX	50
WIRE(SAFETY), REMOVE, DOUBLE STRAND, TWISTED, FIRST STATION	270	Ų	MNFWRO2	56
MIRE(SAFETY), REMOVE, DOUBLE STRAND, TWISTED ADDITIONAL STATION UP TO 6 INCHES APART	225	U	MNF WRO3	56
WIRE(SAFETY), REMOVE FROM FIRST STATION, SINGLE STRAND	184	U	MNF WRO1	56
WIRE(SAFETY), SECURE TO ANCHOR STATIUN WITH ONE TWIST BY HAND	VARIABLE	y	MNF WSXX	56
WIRE(SAFETY), TWIST BETWEEN ANCHORS WITH SAFETY WIRE PLIERS, WIRE TO .0025 INCH DIAMETER	VARIABLE	U	MNFWTXX	57
wire(Safety-Continuous), install	VARIABLE	Ü	SNEWIXX	61
WIRE (SAFETY-CONTINUOUS), REMOVE	VARIABLE	υ	SŅFWRXX	61
WIRE, ATTACH TO HOUK, SINGLE STRAND WIRE	167	IJ	10AWQLM	41
WIRE, ATTACH TO LARGE PART	8 5	U	MJPWA03	41
WIRE.ATTACH TO PART	110	U	MJPWAQZ	. 41
WIRE, BEND TO FORM LOOP USING PLIERS	46	. <b>u</b>	Выныв03	110
WIRE, BEND UP TO 120 DEGREES WITH HANDS	18	, u	выныво4	110
WIRE, BEND WITH PLIERS	VARIABLE	· u	BWHWRXX	109
WIRE, CUT WITH DIAGONAL PLIERS	86	U	MTLNCOL	92
WIRE, DRESS INTO AN INSIDE CORNER	99	Ų	выни001	110
WIRE, EXAMINE VISUALLY, SAFETY, TWISTED	VARIABLE	U	81TWEXX	29
WIRE, MEASURE FOR GAGE	185	Ų	MIT WMO1	32
WIRE, OBTAIN FROM ROLL AND STRAIGHTEN END	VARIABLE	U	MNF WOXX	56
WIRE, PLACE THROUGH HOLE IN OBJECT	41	Ų	MOHWPOI	66
WIRE-ROUTE IN CHANNEL OR AGAINST FRAME	20	u	BMHM61	110
WIRE, ROUTE PAST POST, PIN OR OBSTRUCTION	VARIABLE	ij	BWHRWXX	109
WIRE-ROUTE THROUGH WIRES	VARIABLE	U	MWHWRXX	113
WIRE.STRAIGHTEN BY HAND	VARIABLE	U	выны\$ХХ	110
WIRE, STRAIGHTEN WITH PLIERS	VARIABLE	IJ	BWHSWXX	109
WIRE+STRIP END	VARIABLE	U	MWHWSXX	113

## DFFENSE WORK MEASUREMENT STANDARD TIME DATA NOUM/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWMSTDP ELEMENT	PAGE
WIRE, TIN LEAD END	76	U	MWHWT01	113
WIRE, TWIST STRAND UF LEAD	32	u	BWHWT03	111
WIRES-UNTWIST AFTER ROUTE THRU OPENING	54	U	<b>BMHM</b> 01	111
WIRES.TWIST TO ROUTE THRU OPENING	VARIABLE	U	SWHWTXX	111
WORD ( SEQUENCE) . READ . PER WORD	5	υ	BRDWS01	76
MORD, READ, INDIVIOUAL WORD, ALPHA NUMERIC, OR NUMBER TO TRANSPOSE	7	Ü	BROWIOL	. 76
WORDS, WRITE OR PRINT, SEQUENCE OF FIVE WORDS	VARIABLE	U	MURUUXX	115
WRENCH(HEX NUT DRIVER), POSITION TO NUT, REMOVE	31	u	NTLWP01	92
WRENCH(IMPACT), POSITION TO BOLT OR NUT	54	U	BTPWPOL	104
WRENCH(SPANNER), POSITION TO NUT AND REMOVE AFTER USE	39	U	BTLWP01	87
WRENCH(STRAP), USE(ATTACH TO OBJECT)	VARIABLE	U	8TL WUXX	88
WRENCH(STRAP). USE(FINAL TIGHTEN OR INITIAL LOOSEN)	32	U	8 TL WU04	88
MRENCH(STRAP).USE.(MAKE ONE QUARTER TURN)	75	U	8TLWU05	88
WRENCHISTRAP). USE. (REMOVE FROM OBJECT)	39	U	BTL WUO6	88
WRENCH(TORQUE).ADJUST INDICATOR	397	U	MTLWADI	92
WRENCH, ADJUST, MONKEY OR CRESCENT	77	U	BTLWAOL	87
WRENCH, TORQUE, USE	VARIABLE	U	STLWTXX	88
WRENCH, TURN PART (POWER WRENCH, FREE RUNNING)	VARIABLE	U	<b>atpwtxx</b>	104
WRENCH, USE, BOX END, OPEN END, ALLEN WRENCH OR SIMILAR	TABLE	U	TTLWBXX	99

## DEFENSE WORK MEASUREMENT STANDARD TIME DATA PROGRAM (DWMSTDP):

#### PART TWO - UNIVERSAL STANDARD TIME DATA

SECTION II - DWMSTDP ELEMENT LISTING

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFO	<b>u</b> ;	MAA	BACCEO1	BACCEOL	31	CRANK, ENGAGE ON SPLINES STARTS-MITH HANDS ON CRANK INCLUDES-ALL MOTIONS NECESSARY TO TURN CRANK TO ALIGN SPLINES AND PUSH CRANK ONTO SPLINES ENDS-MITH HANDS ON CRANK READY TO TURN
AE	U	MAW	FINFLO1	BACFTO1	36	FLASHLIGHT.TURN UN AND OFF STARTS-MITH FLASHLIGHT IN HAND INCLUDES-ALL MOTIONS NECESSARY TO TURN SWITCH ON.AIM FLASHLIGHT.AND TURN SWITCH OFF ENDS-WITH FLASHLIGHT IN HAND CONDITION-NO TIME FOR INSPECTION INCLUDED
FFO	U	MAA	BACKDXX	BACKOXX	VARIABLE  13 24	KNOB.DIAL SET OR ALIGN PUINTER WITH TURN UP TO 180 DEGREES STARTS-WITH HAND UN DIAL KNOB INCLUDES-ALL MOTIONS NECESSARY TO TURN KNOB TO ALIGN POINTER.HAIRLINE.DR UTHER INDICATOR ENDS-WITH SETTING COMPLETED AND HAND ON KNOB CASE OI SET DIAL TO LOOSE TOLERANCE-1/4 TO 1/16 INCH 02 SET DIAL TO CLOSE TOLERANCE-1/16 TO 1/64 INCH
					50	03 SET DIAL TO EXACT TOLERANCE-1/64 INCH OR LESS
FFD	IJ	MAA	BACLS01	BACLSOL	16	LEVER, SEAT TO MESH GEARS STARTS-MITH HAND ON LEVER AT END OF MOVE INCLUDES-MOVE AND APPLY PRESSURE TO LEVER TO MESH GEARS ENDS-MITH HAND UN LEVER CONDITION-RESISTANCE 2.5 POUNDS UR LESS EFFECTIVE NET WEIGHT
MAA	<b>u</b>	MAA	SACLUOI	BACLU01	13	LEVER(NON-SQUEEZE).UNLATCH OR LATCH STARTS-MITH HAND ON LATCH INCLUDES-ALL MOTIONS NECESSARY TO UNLATCH OR LATCH A NON-SQUEEZE.TYPE LATCH FOR THE PURPOSE OF DISENGAGING OR ENGAGING LEVER ENDS-MITH HAND ON LEVER
FFO	U	MAA	8ACLDO2	8ACLU03	19	LEVER, UNLATCH TO DISENGAGE, SQUEEZE TYPE LATCH STARTS-MITH HAND ON LEVER INCLUDES-ALL MOTIONS NECESSARY TO RELEASE LATCH PREPARATORY TO MOVING LEVER ENDS-WITH HAND ON LEVER
AF	u `	MAG	MACCOOL	8AC P001	33	PEDAL, DEPRESS STARTS-WITH MOVE FOOT TO PEDAL INCLUDES-ALL MOTIONS NECESSARY TO UTILIZE PRESSURE TO DEPRESS A PEDAL ENDS-WITH MOVEMENT OF THE FOOT AWAY FROM THE PEDAL CONDITION-LEG MOTION TO NINE INCHES
NAA	U	MAA	BACSPXX	BACSPXX	VARIABLE  2  3 13	SWITCH.PUSH TO TURN ON OR OFF STARTS-WITH FINGER IN CONTACT WITH SWITCH INCLUDES-MOTIONS NECESSARY TO PUSH SWITCH TO TURN ON OR OFF ENDS-WITH FINGER IN CONTACT WITH SWITCH CASE 01 UP TO 1 INCH TRAVEL.TO 2.5 POUNDS RESISTANCE(NO PRESSURE) 02 1-2 INCHES TRAVEL.TO 2.5 POUNDS RESISTANCE(NO PRESSURE) 03 UP TO 2 INCHES TRAVEL.2.5-35 POUNDS RESISTANCE(WITH PRESSURE)

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/FLEMENT DESCRIPTION
444	U	MAA	BACSTXX	BACSTXX	VARIABLE	SMITCH.TURN STARTS-WITH HAND UK FINGERS ON SWITCH INCLUDES-ALL MUTIONS NECESSARY TO TURN SWITCH ENDS-WITH HAND OR FINGERS ON SMITCH
					3 5	CASE O1 FINGER MOVE. TURN TO 140 DEGREES, RESISTANCE TO 2.5 POUNDS(NO PRESSURE)
					19	02 WRIST TURN TO 180 DEGREES, RESISTANCE TO 2.0 POUNDS(NO PRESSURE) 03 WRIST TURN TO 180 DEGREES, RESISTANCE
						UVER 2.0 POUNDS(WITH PRESSURE)
FFD	U	MAA	BACVP01	BACVPOL	22	VALVE, PETCOCK, OPEN OR CLOSE STARTS-WITH HAND ON VALVE INCLUDES-ALL MOTIONS NECESSARY TO OPEN OR CLOSE PETCOCK VALVE UP TO 180 DEGREES ENDS-WITH HAND ON VALVE CONDITION-APPLICABLE TO VALVE WITH RESISTANCE TO 35 POUNDS EFFECTIVE NET WEIGHT
FFD	U	MAA	BACVSXX	BACVSXX	VARIABLE	VALVE(STEM TYPE), OPEN OR CLOSE WITH ONE HAND STARTS-WITH HAND ON VALVE KNOB INCLUDES-ALL MOTIONS NECESSARY TO TURN VALVE ONE REVOLUTION ENDS-WITH HAND ON KNOB CONDITION-KNOB DIAMETER 4 INCHES OR LESS
					62	CASE OI CLOSE VALVE ONE REVOLUTION AND FINAL
					53	TIGHTEN 02 LOOSEN VALVE AND TURN FIRST REVOLUTION OR TURN ADDITIONAL REVOLUTION TO OPEN OR CLUSE
FFD	U	MĄA	BACWJOI	BACWJ01	16	WHEEL, JOG OR BUMP FOR FINAL SETTING STARTS-WITH BOTH HANDS ON WHEEL INCLUDES-ALL MOTIONS NECESSARY TO REACH BACK AND STRIKE OTHER HAND ON WHEEL OR CRANK HANDLE ONCE ENDS-WITH HANDS ON WHEEL
FFD	U	HAA	BACWPXX	BACWPXX	VARTABLE	WHEEL, POSITION TO SET DIAL OR POINTER STARTS-WITH HAND ON WHEEL INCLUDES-ALL MOTIONS NECESSARY TO REGRASP WHEEL AND MOVE TO ADJUST DIAL OR POINTER ENDS-WITH HANDS ON WHEEL CONDITIONS-APPLIES TO WHEELS GRASPED ON RIM WITH BOTH HANDS-TIME ALLOWED FOR MOVES OF LESS
					13	THAN 1 INCH CASE OI POSITION DIAL TO LOGSE TOLERANCE 1/4
					24	TO 1/16 INCH UZ POSITION DIAL TO CLUSE TOLERANCE 1/16
					46	TO 1/64 INCH O3 POSITION DIAL TO EXACT TOLERANCE 1/64 INCH OR LESS
NF	u	MAF	3909	MACBD01	45	BUTTON, DEPRESSIDOORBELL OR SIMILAR) STARTS-WITH REACH TO BUTTON INCLUDES-ALL THE MOTIONS NECESSARY TO CONTACT BUTTON AND DEPRESS BUTTON TWICE ENOS-WITH RELEASE OF BUTTON
ŊF		MAF	1231	MACCOO1	70	CONTROL(FOOT), OPERATE WITH PRESSURE STARTS-WITH FOOT AT REST INCLUDES-ALL MOTIONS NECESSARY TO MOVE FOOT TO CONTROL, APPLY PRESSURE AFTER INITIAL MOVEMENT OF CONTROL, RELEASE CONTROL, AND MOVE FOOT ASIDE ENDS-WITH FOOT AT REST

DATA SOURCE		QUAL ITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFD	U	MAA	KERKSAX	MACCSXX	VARIABLE	CONTROLS, SET  STARTS-MITH REACH TO CONTROL KNOB-UR SWITCH INCLUDES-ALL THE MOTIONS NECESSARY TO REACH AND GRASP CONTROL. ADJUST OR SET TO DESIRED POSITIONS, RELEASE CONTROL ENDS-MITH RELEASE CONTROL IN REQUIRED POSITION CONDITIONS-APPLIES TO CONTROL KNUB, TOGGLE LEVER, OR BUTTON SWITCHES. REACH TO SWITCH
					23	APPROXIMATELY 18 INCHES.  CASE OI SWITCH.UP TO UNE INCH MOVE, NU PRESSURE
					36	REQUIRED OZ SWITCH, UP TO ONE INCH MUVE, PRESSURE REQUIRED
					36	03 TURN KNOB, WRIST, UP TO 90 DEGREES, PRESSURE REQUIRED, LOOSE POSITION
					34	04 TURN KNOR, UP TO 180 DEGREES, NO PRESSURE REQUIRED, LOOSE POSITION
					45	OS TURN KNOB, UP TO 180 DEGREES, NO PRESSURE REQUIRED, CLOSE POSITIUN
					71	O6 TURN KNOB, UP TO 180 DEGREES, NO PRESSURE REQUIRED, EXACT POSITION
FFO	u	MAA	KERKS88	MACKUO1	74	KNOB(CONTROL), UNLOCK AND LOCK STARTS-MITH REACH TO LUCK INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND LOOSEN LOCK, OPEN LOCK AND RELEASE, REACH TO LOCK, GRASP AND CLOSE LOCK, TIGHTEN LOCK ENDS-WITH RELEASE OF LOCK
NF	U	MAF	3527	MACLEO1	37	LEVER, ENGAGE, OR DISENGAGE STARTS-MITH REACH TO LEVER INCLUDES-APPLY PRESSURE AND MOVE LEVER UP TU NINE INCHES ENDS-MITH RELEASE OF LEVER
NF	U	MAF	1137	MACLTOL	102	LEVER, TURN ON AND OFF(AIR VALVE OR SIMILAR) STARTS-WITH REACH TO LEVER INCLUDES-ALL THE MOTIONS NECESSARY TO REACH, GRASP AND TURN LEVER TO TURN UN AND OFF ENDS-WITH RELEASE OF LEVER
NAA	U	MAA	MTLSSXX	MACMS01	104	MACHINE, START AND STOP WITH PUSH BUTTON OR ROTARY SMITCH STARTS-MITH REACH TO SWITCH INCLUDES-PUSH OR TURN SWITCH, HESITATION TO ASCERTAIN POWER IS ON, REACH TO SWITCH, PUSH OR TURN SWITCH ENDS-WITH HESITATION TO ASCERTAIN POWER IS OFF
<b>NF</b>	u	MAF	2382	MACHSOZ	34	MACHINE, START OR STOP(PUSH TYPE SWITCH) STARTS-WITH A REACH TO BUTTON INCLUDES-ALL THE MOTIONS NECESSARY TO KEACH TO SWITCH, PUSH TO TURN ON OR OFF AND REACH TO BALANCE ENDS-WITH REACH TO BALANCF CONDITION-NO PRESSURE REGUIRED
OL	u	MAL	BELE	HACSOXX	VARIABLE	SWITCHES, OPERATE, CUNTROL PANEL STARTS—WITH A REACH TO THE FIRST SWITCH INCLUDES—ALL INTERMEDIATE REACHES AND SWITCH ACTIVATIONS ENDS—WITH A REACHING AWAY FROM THE CUNTROL PANEL TO THE READY POSITIUN CONDITIONS—TOGGLE, BUTTUN OR KEY TYPE SWITCHES
					49	CASE OI REACH TO FIRST SWITCH ON CONTROL PANEL AND REACH TO READY POSITION
					13	OZ REACH TO ADDITIONAL SWITCH ON CONTROL PANEL
					3 2 7	O3 ACTIVATE TOGGLE SWITCH O4 ACTIVATE BUTTON SWITCH O5 ACTIVATE KEY SWITCH

DATA SOURCE	OCCUP- AT ION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT		OPERATION/ELEMENT DESCRIPTION
<b>NF</b>	U	MAF	2394	MACTSOL	22	TOOL, STARTIORILL OR SIMILAR WITH TRIGGER SMITCH) STARTS-WITH A REACH TO SMITCH INCLUDES-ALL THE MOTIONS NECESSARY TO ACTUATE THE SMITCH ON AN ELECTRIC DRILL ENDS-WITH RELEASE OF SMITCH
NAA	U	<b>MAA</b>	OACVOXX	HACVCXX	VARIABLÈ	VALVE, OPEN AND CLOSE STARTS-WITH REACH TO VALVE INCLUDES-TURNING WHEEL OR LEVER ENOS-WITH VALVE OPEN OR CLOSED AND RELEASED CONDITIONS-AVERAGE NUMBER OF TURNS REQUIRED TO OPEN OR CLOSE VALVE COMPLETELY IS 5.31. RESISTANCE TO TURN VALVE AVERAGES FROM APPROXIMATELY A FRACTION OF A POUND TO TWO POUNDS. VALVE STEM HANDLE IS IN RANGE OF 1 1/2 TO 3 INCHES DIAMETER OR 1 1/2 TO 4 INCH LENGTH BAR HANDLE
					75 581	CASE OI LEVER TYPE VALVE OR PETCOCK-TURNED NOT
					330	OZ GLOBE TYPE VALVE-TURN NOT IN EXCESS OF SEVEN TURNS O3 GLOBE TYPE VALVE-SPIN NOT IN EXCESS OF SEVEN TURNS
NF	U	MAF	2089	MACVOXX	VARIABLE	VALVE.OPEN OR CLOSE STARTS-WITH TURN TO STEP TO VALVE INCLUDES-ALL MOTIONS NECESSARY TO MALK ONE PACE, BEND, GET VALVE HANDLE.OPEN OR CLOSE, AND ARISE
					315 531	ENDS-WITH OPERATOR STANDING ERECT CASE OI SMALL VALVE-OPEN OR CLOSE W/OME HAND UZ LARGE VALVE-OPEN OR CLOSE W/TWO HANDS
NF	<b>U</b>	MAF	2404	MACVOO3	36	VALVE. OPEN OR CLOSE STARTS-WITH REACH TO VALVE HANDLE INCLUDES-ALL MOTIONS NECESSARY TO OPEN OR CLOSE A VALVE SUCH AS A WATER FAUCET ENDS WITH RELEASE OF VALVE CONDITION-VALVE TURNED NOT MORE THAN 180 DEGREES
FFD	U	MAA (	BACCCXX	TACCCXX	TABLE	CRANK, MITH CRANKING MOTIONS STARTS-WITH HAND ON CRANK INCLUDES-ALL MOTIONS NECESSARY TO TURN CRANK OR WHEEL MITH HANDLE ONE REVOLUTION UTILIZING CRANKING MOTIONS ENDS-WITH HAND ON CRANK
						CRANK DIAMETER (INCHES)
						1-3 3-12 12-19 A 8 C
						FIRST REVOLUTION, 2.5 A 15 19 21 POUNDS OR LESS RESISTANCE
						ADDITIONAL REVOLUTION. B 10 14 16 2-5 POUNDS OR LESS RESISTANCE
						PER REVOLUTION, 2.5-17 C 26 30 33 POUNDS RESISTANCE (EFFECTIVE NET WEIGHT)

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DATA SOURCE		QUALITY	SOURCE CODE	DUMSTOP ELEMENT	TMU VALUE		OPE	RATI	UN/E	LEMENT	DESCR	I PT I ON	I		٠.٠
FFO	U	MAA	BACCMXX	TACCAXX	TABLE	İNC	ARTS CLUD OR	-uii Es-/ uhe(	TH HA BLL M EL WI	ND ON OTION: TH HA	CRANK S NECES! NDLE UT				
						EME	)2 <b>~4</b>	ITH	HANU	ON C	KANK			METER,	
						,						1-3 A	3 <b>-</b> 9	6-12	15-20 D
							POU	NDS	REVOL OR L ANCE	UT I ON	,2.5	8 A	. 18	34	49
					•		2.5	POL		REVOLU OR LE	UTION, SS	8 2	13	30	46
							17.	5 P(	DUNDS		.2.5- STANCE EIGHT)	C 13	24	41	58
AE	U	MAW	STECRXX	TACCTXX	TABLE	ST	AŘTS CLUD WIT MAR	-WI: ES-! H C! K,M!	TH RE All M Ranki Eter	ACH TO NOTION: NG MO READI	ING MOT D CRANK S NECES TION AN NGLETC. F CRANK	SARY 1	o TUP	IN CRAN	K TO A
									LC	OSE	DEGREE	OF AL			XACT <sub>.,</sub>
										10	AMETER	OF CRA	NK ( I P	(CHES)	•
							NO. REV	•	2	3 8		C	3 D	2 E	3 F
							1 2	A B	43 52	43 54		56 71	57 73	66 81	67 83
							3	C	62	65		86	89	96	98
							5	0 E	72 81	75 86		16	20	111	114 130
					•		6	F	91 101	96 107			36 152	140 155	
				<i>:</i>			8	н	110	118	1	60 1	83	170 185	177
				*			10	K	130	139			99	200	
<b>NAA</b>	u	MAA	BACLMXX	TACLMEN	TABLE	IN	ARTS Clud	E2-	HOTIC		LEVER Cessary Ever	TO M	DVE LI	VER	
				·	•						RESIS	TANCE	l POUNI	120	:
									EE LI INCH!		* TO 2				
								1-3		A B	4 8		14 19		•
								9-1 15-	5	Č	13 18		24 28		
NAA	. <b>u</b>	MAA	BACWMXX	TACWMXX	TABLE	MI	L,MO ARTS GLUD WHE	VE -WI ES-	RIM TH HU ALL I WITH		S NECES THOUT P			VE RIM	OF .
				٠					CE RI		RESIST TO 5	5-		S)	
								1-		<b>A</b>	4 .	1			
								3~ 9~	4	B. C	8 13	1 2			
		•							-21	-	18	. 2			

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE	DUMSTOP ELEMENT	TNU	OPERATION/ELEMENT DESCRIPTION
NĀĀ	U	MÁA TATAL	BACWSXX	YACWSXX	TABLE	WHEEL, SMIFT GRASP AND TURN 1/3 REVOLUTION STARTS-WITH HANDS ON RIM OF WHEEL INCLUDES-ALL MOTIONS NECESSARY TO SHIFT THE GRASP ON RIM AND TURN WHEEL 1/3 REVOLUTION ENDS-WITH HANDS ON THE WHEEL CONDITION-TO BE USED FOR ADDITIONAL MOVES ONLY-FOR FIRST MOVE USE TAC-WM-XX.
				* ! • *:		OISTANCE RIM TO 5 5-35 MOVED(INCHES) A B
						1=3 A 12 16 3=9 B 19 24 9=15 C 27 32 15=21 D 34 40
ÄĖ	Ü	MAÑ	86HVH21	88M8M01	83	SODY MOVE SIDEWAYS TO NEW LOCATION WHILE SEATED STARTS-MOVEMENT OF FOOT TO ONE SIDE
						INCLUDES=ALL MOTIONS NECESSARY TO CONTACT SEAT WITH HAND(S).RAISE BODY FROM SEAT, SHIFT TO ONE SIDE.LOWER BODY TO SEAT.AND REPOSITION OTHER FOOT AND LEG. ENDS-WITH RELEASE(CONTACT)OF SEAT WITH HAND(S)
FFF	U	MÁA	B8MFM01	BBMFM01	9	FOOT. MOVE SIDEWAYS OR VERTICALLY, NO PRESSURE APPLIED. STARTS-WITH VERTICAL OR SIDEWAYS MOTION OF THE
						FOOT INCLUDES—ROTATING THE BALL OF THE FOOT ABOUT EITHER THE MEEL OR INSTEP WHERE THE PREDOMINANT PURPOSE IS TO RELOCATE THE FOOT OR THE OBJECT CONTACTED BY THE FOOT ENDS—WHEN MOVEMENT CEASES CONDITION—WHEN APPLICATION OF PRESSURE OCCURS ADO BEL—AP—Q2
FFF			BBMHC01	Some		HORIZUNTAL CHANGE(SIDESTEP OR TURN BODY) STARTS-WITH MOVEMENT OF ONE LEG AND FOOT INCLUDES-DISPLACEMENT OF THE TRUNK LATERALLY WITHOUT ROTATION(SIDESTEP), OR ROTATING THE TRUNK WITH ONLY MINOR LATERAL DISPLACEMENT BY MOVEMENT OF ONE LEG AND FOOT ENDS-WHEN FOOT AND LEG MAVE BEEN PLACED AND HAVE ASSUMED THEIR PORTION OF THE BODY MEIGHT CONDITION-LIMITED TO TURN BODY 90 DEGREES OR SIDESTEP 15 INCHES.ENSUING MOTION STARTS WHEN LEADING FUOT CONTACTS SURFACE.WHEN LAGGING FOOT MUST CONTACT SURFACE BEFORE ENSUING MOTION.USE BBM-HC-OI TIMES TWO.
	<b>U</b>	HAA ' B	BMLMXX (		7 14 22	LEG, MOVE, TO 21 INCHES STARTS-WITH MOVEMENT OF THE LEG INCLUDES-PLACEMENT OF THE FOOT AND/OR LEG IN ANY DIRECTION BY PIVOTING THE LEG AT THE KNEE AND/OR HIP WHEN THE PREDOMINANT PURPOSE IS TO MOVE THE LEG OR FOOT RATHER THAN THE BODY ENDS-WHEN MOVEMENT CEASES CASE 06 LEG MOTION 3-9 INCHES 12 LEG MOTION 9-15 INCHES 18 LEG MOTION 15-21 INCHES
FFF (	<b>.</b>	MAA SE	BASSXX 8	BMŚSXX · VA	108 172	STY AND STAND STARTS-WITH THE BODY IN FRONT OF THE SEAT INCLUDES-MOTIONS REQUIRED TO LOWER THE BODY TO A SEAT AND TO ARISE FROM THE SEAT ENDS-WHEN THE BODY HAS ASSUMED A STANDING POSITION CASE OI SIT AND STAND, CHAIR STATIONARY OZ SIT AND STAND, CHAIR NOVED

DATA SOURCE	OCCUP- AT ION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFF	U	MAA	BBMVCXX	BBMVCXX	VARIABLE	VERTICAL CHANGE STARTS-WITH BODY PREPOSITIONED FOR LUWERING TRUNK
						INCLUDES-BODY MOTIONS FOR LOWERING AND RAISING
					61	ENDS-MHEN BODY HAS ASSUMED AN ERECT STANCE CASE OL BEND-STOOP-UR KNEEL ON UNE KNEE; AND ARISE
		\$			146	02 KNEEL ON BOTH KNEES AND ARISE
FFF	.ប	MAA	BBHWOOL	88MW001	17	WALK.OBSTRUCTED.PER PACE STARTS-WITH MOTION OF THE FOOT AND LEG INCLUDES-EMPLOYING THE FEET AND LEGS ALTERNATELY TO DISPLACE THE TRUNK FORWARD OR BACKWARD BY ONE STEP UNDER OBSTRUCTED
						CONDITIONS ENDS-WHEN THE FOOT HAS CONTACTED THE GROUND AND REASSUMED ITS PORTION OF THE WEIGHT
MAA	U	HAA	BBMWUXX	BBHWUXX	VARIABLE	WALK.UNGBSTRUCTED STARTS-WITH MOVEMENT OF FOOT AND LEG INCLUDES-EMPLOYING THE FEET AND LEGS ALTERNATELY TO DISPLACE THE TRUNK FORWARD OR BACKWARD UNDER UNDBSTRUCTED CONDITIONS
		:			15 53	ENDS-WHEN THE FOOT HAS TOUCHED THE GROUND AND REASSUMED ITS PORTION OF THE BODY WEIGHT CASE OI WALK ONE PACE O2 WALK TEN FEET
DL	U	EUL	BABA	M8MABO1	596	AIRCRAFT, BOARD AND DISMOUNT STARTS-WITH LIFTING THE LEG TO THE FIRST RUNG INCLUDES-ALL THE TIME NECESSARY TO CLIMB SEVEN STEPS INTO AND OUT OF AN AIRCRAFT ENDS-WITH BOTH FEET ON GROUND AFTER CLIMBING DOWN LADDER
NF	·	MAF	371	MBHCLXX	VARIABLE	LADDERIEXTENSION), CLIMB AND DESCEND STARTS-WITH REACH TO LADDER INCLUDES-ALL MUTIONS NECESSARY TO NEGITIATE ONE RUNG OF A LADDER UP AND DOWN ENDS-WITH RELEASE OF LADDER CONDITION-HANDS MUST BE FREE TO GRASP LADDER.
		•			122	APPLICABLE TO EXTENSION OR OTHER LEAN TYPE LADDERS CASE OI FIRST RUNG 02 EACH ADDITIONAL RUNG
FFD	U	MAA	MBHLCXX	MBMLCXX	67 VARIABLE	LADDER(VERTICAL), CLIMB UP AND DOWN ONE RUNG
		:				STARTS-WITH PERSON READY TO CLIMB INCLUDES-ALL MOTIONS NECESSARY TO NEGOTIATE ONE RUNG OF A LADDER UP AND DOWN ENDS-WHEN NEGOTIATION OF ONE RUNG OR MOUNT/ DISMOUNT IS COMPLETED CONDITION-APPLIES TO VERTICAL TYPE LADDER
					401 149	CASE OI CLIMB ONE RUNG.DISMOUNT/MOUNT AT TUP/ BOTTOM, MOUNT/DISMOUNT, CLIMB ONE RUNG
ÐL	U	EUL	SMBL	мвитво:		ALL STATE AND STEMPINE SACK END

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TÄU VALUE	UP		TION/	FLEMEI	NT DE	SCRIP	T LON			
<b>NA A</b>	<b>u</b> .	MAA	момххх	TOMPCXX	TABLE	MA ENDS — OF COND I REI TUI RO TUI KNI	S-W DES- LK: MITI BOI TERI FERI RN E RN E EEL	TTH FI  -ALL    TURN    H LASI  DY MEI  NS-OB!  ENCE-I  BODY (  HORI  BODY (	MOTEUM AND WA F PACE MBER STRUCT ROW A, DR SIE ZONTAL DR SIE	NS NEC ALK: OF E OF 1 TED WI HORIS HORIS ESTER JESTER	CESSAI R ARIS MALKING LKING CONTAI P AND TICAL P; WALK	RY TO SE, TUP NG OR ONLY CHAN WALK CHANG C; AND	SIDES RN, AND LAST GE(HC GE(HC) STOOP	TEP A WALK MGTIC J. INC J. INCL	CLUDES UDES OF OR
						80	יי אכ	DR SI	CAL C DESTER	HALK	: AND	STODE	P.REMO	WI24	NEEL
									P	ACES	WALKE	D	POEME	10K K	MEEE
								0	1	2	3	4	5	6	7
						нс		A	8	Ç	0	E	F	G	Н
						HV	A	19 50	36 67	53 84	70 101	87 118	104 135	121	138
						vč	č	80	97	114	131	148	165	152 182	169 199
												- 10			.,,
								8	9	10	12	14	16	18	20
			•			нс		I 155	J 172	K	L	M	N	0	P
						HV	8	186	203	189 220	223 254	257 288	291 322	325 356	359 390
						VC	č	216	233	250	284	318	352	386	420
								22	24 R	26	28	. 30	32	34	36
						нс	A	393	427	S 461	T 495	U 529	V 563	₩ 597	Y
						н٧	8	424	458	492	526	560	594	628	631 662
						VC	C	454	488	522	556	590	624	658	692
															_
								38 Z	40 1	42 2	44	46	48	50	52
						HC		665	699	733	767	801	5 835	6 869	7 903
						HV	6	696	730	764	798	832	866	900	934
		,				VC	C	726	760	794	828	862	896	930	964
AE	U	MAH	FINVAOL	ecroco1	61	DIAL,CLE STARTS INCLU	ES-	TH CL	OTH I	N HAN S NEC	ESSAR				
						ENDS-	ITH	CLOT	H IN	HAND		CLUI	**	•	
						CONDIT	ION	-APPL	ICABL	E TO	HIPIN	G SMA	LL OI	ALS.	
		•	•			GAU	GES	OR S	INILA	R WIT	H DIA	METER	OF F	OUR I	NCHES
						OR	LES	2							
AE	ď	MAM	FINEAD1	BCLDWO1	45	INCLUD	-WI ER ES-	TH CL HAND ALL M	OTION:	N DNE S NEC	ESSAR	Y TO	GET D	IPSTI	CK
						TO THR	CLO	TH,GR H	ASP D	IPST I	CK WI	TH CL	OTH, A	NO PU	LL
				÷		ENOS-W	ITH	MOVE	CLOT	H AWA	Y FRO	M DIP	STICK		

DATA SQUACE		QUALITY	SOURCE CODE	DWASTDP ELEMENT	VALUE	OPERATION/ELEMENT DESCRIPTION
NF	U	MAF	3213	BCLPCXX	VARIABLE	PART, CLEAN WITH RAG STARTS-WITH MOVE RAG TO PART INCLUDES-ALL THE MOTIONS NECESSARY TO WIPE AND CLEAN A PART
						ENDS-WITH MOVE RAG AWAY
			,			CONDITIONS-SMALL PART-METAL OR NON-METAL PART
						WITH WEIGHT TO THREE POUNDS AND APEA TO THU Square feet
						MEDIUM PART-METAL OR NON-METAL PART WITH Weight 3-40 Pounds and area two-six square
						FEET LARGE PART-METAL OR NON-METAL PART WITH WEIGHT
						40-100 POUNDS AND AREA 6-10 SQUARE FEET
					258	CASE OI SMALL PART ON BENCH
					487 103	02 MEDIUM PART ON BENCH 03 LARGE PART ON FLOOR-FIRST SQUARE FOOT
					80	04 LARGE PART ON FLOOR-EACH ADDITIONAL SQUARE FOOT
		MAF	1135	BCLSCXX		SURFACE.CLEAN WITH SCRAPER
141	U	MAF	1133	DULGUAA		STARTS-HITH APPLY PRESSURE TO SCRAPER
						INCLUDES—ALL THE MOTIONS NECESSARY TO SCRAPE ONE SQUARE FOOT OF SURFACE
						FNDS-MITH UNE SQUARE FOOT SCRAPED
			•		Na	CONDITION-APPLICABLE TO USE OF FLAT SCRAPER
						FOR REMOVAL OF HEAVY DIRT OR GREASE OR LIGHT
					449	CORROSION,RUST,OR SCALE CASE OL SMOOTH SURFACE-UNOBSTRUCTED
					898	OZ SMOOTH SURFACE-OBSTRUCTED
		•			. 732	03 ROUGH SURFACE-UNOBSTRUCTED
					1171	04 ROUGH SURFACE-OBSTRUCTED
ME	u	MAF	1134	BCL SCOS	476	SURFACE.CLEAN WITH WIRE BRUSH
	•	*****				STARTS-WITH APPLY PRESSUPE TO BRUSH
						INCLUDES—ALL THE MOTIONS NECESSARY TO BRUSH ONE SQUARE FOOT OF SURFACE
						ENDS-WITH ONE SQUARE FOOT BRUSHED
NF.	U	MAF	1130	BCL SCOA	160	SURFACE, CLEAN WITH AIR STARTS-WITH AIR ON AND HOSE IN HAND
						INCLUDES-ALL THE MOTIONS NECESSARY TO BLOW
						DIRT OFF OF ONE SQUARE FOOT OF SURFACE
					•	ENDS-MITH ONE SQUARE FOOT CLEANED
FFE	u	MAA	GCLCAXX	WCFWCKK	VARIABLE	AREA, CLEAN WITH AIR, TO NINE SQUARE INCHES
	•					STARTS-WITH NOZZLE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO PLACE NOZZLE
						TO SPOT TO BE CLEANED, ACTUATE TRIGGER, CLEAN TO
						NINE SQUARE INCHES, RELEASE TRIGGER, AND MOVE
						NOZZLE ASIDE
					59	ENDS-WITH NOZZLE IN HAND  CASE OL FIRST OR SINGLE SPOT TO NINE SQUARE
					•	INCHES O2 ADDITIONAL SPOT TO NINE SQUARE INCHES
					26	NOT TO EXCEED NINE INCHES APART
FFE	U	MAA	GCLCSA1	MCLBCOL	194	BRUSH, CLEAN IN SOLVENT, SMALL BRUSH
						STARTS-WITH GET BRUSH INCLUDES-ALL MOTIONS NECESSARY TO PLACE BRUSH
				:		IN OPEN JAR OF SOLVENT MOVE BRUSH IN SOLVENT
						TO CLEAN.GET CLOTH.PLACE BRUSH TO CLOTH.PULL
						BRUSH THROUGH CLOTH TO CLEAN AND DRY, AND ASIDE
						CLOTH ENDS—WITH ASIDE BRUSH
						CONDITIONS-APPLICABLE TO SHALL BRUSH LESS THAN
						3/16 INCH IN DIAMETER

DATA SOURCE		QUALITY	SOURCE CODE	OWMSTOP ELEMENT		OPERATION/ELEMENT DESCRIPTION
AF	U	MAA	562	MCL CSO <u>1</u>	351	COMPOUND (SEAL), SCRAPE OFF STARTS-WITH PART AND TOOL IN HANDS INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE TOOL TO PART, MAKE 20 STROKES WITH PRESSURE ON SURFACE TO BE SCRAPED ENDS-WITH COMPLETION OF LAST STROKE CONDITIONS-SCRAPE FLAT CIRCULAR SURFACE 1/2 INCH WIDE AND TWO INCHES IN DIAMETER
<b>FFD</b>	U	, MĄĄ	GECCHOS	MCLHC01	420	MANDS.CLEAN BY DIPPING IN FLUID CLEANER STARTS-WITH REACH HANDS TO CLEANER(SIMD) INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE HANDS INTO CLEANER.MOVE HANDS TOGETHER TO CLEAN,REMOVE HANDS FROM CLEANER AND GET TOWEL, WIPE HANDS WITH TOWEL, ASIDE TOWEL ENDS-WITH ASIDE TOWEL
FFE	J	MAA	GCLCH81	HCLHW01	271	HANDS.WIPE WITH CLOTH OR PAPER TOWEL STARTS-WITH REACH TO TOWEL INCLUDES-ALL THE MOTIONS NECESSARY TO WIPE BOTH HANDS CLEAN ENDS-WITH ASIDE TOWEL
NF	J	HAF	3195	HCLHMOS	160	MAND.WIPE WITH CLOTH OR PAPER TOWEL STARTS-WITH REACH TO CLOTH OR TOWEL INCLUDES-ALL MOTIONS NECESSARY TO GET TOWEL WITH ONE HAND, MOVE TO OTHER HAND, WIPE ONE HAND, AND LAY CLOTH OR TOWEL ASIDE ENDS-WITH RELEASE OF CLOTH OR TOWEL
FFE	U	MAA	GTLSKAI	MCLICO1	44	IRON(SOLDERING), CLEAN BY SHAKING STARTS-WITH IRON IN MAND INCLUDES-ALL THE MOTIONS NECESSARY TO LIFT IRON AND SHAKE TO REMOVE EXCESS SOLDER AND/OR DIRT FROM TIP ENDS-WITH IRON RETURNED TO STARTING POSITION
NF	U	MAF	343	MCLOCXX	VARIABLE	OBJECT.CLEAN WITH BRUSH.PER SQUARE FOOT STARTS-WITH REACH TO BRUSH INCLUDES-ALL MOTIONS NECESSARY TO GET BRUSH. MOVE TO MORK AREA, MAKE ONE FORWARD AND ONE RETURN STROKE ACROSS AREA TO BE CLEANED. AND RETURN BRUSH TO SHELF ENDS-WITH RELEASE OF BRUSH CONDITION-REMOVAL OF LOOSE MATERIAL FROM TABLE OR SIMILAR
					81 43	CASE OI PIRST SQUARE FOOT OZ EACH ADDITIONAL SQUARE FOOT
NO	Ų	MAL	DIA	HCL OCO3		OBJECT.CLEAN WITH BRUSH AND SOLVENT STARTS-WITH REACH TO GET OBJECT AND BRUSH INCLUDES-ALL THE MOTIONS NECESSARY TO GET OBJECT AND BRUSH, HOLD OBJECT, DIP BRUSH INTO SOLVENT, BRUSH OBJECT TO CLEAN AND ASIDE BRUSH AND OBJECT ENDS-WITH ASIDE BRUSH AND OBJECT CONDITION-APPLICABLE TO SMALL HAND HELD OBJECTS
AF	U	OSM :	KX846	MCLONXX	VARIABLE 82	OBJECT.WASH STARTS-WITH MOVE OBJECT TO CAN INCLUDES-ALL THE MOTIONS NECESSARY TO DIP AN OBJECT IN A CAN OF FLUID.MOVE IN FLUID.REMOVE. DRAIN AND ASIDE ENDS-WITH ASIDE TO TOTE BOX CONDITION-MAKE SIX 90 DEGREE TURNS TO WASH
					106	CASE O1 OBJECT WEIGHS TO TWO POUNDS  O2 OBJECT WEIGHS 2-7 POUNDS  O3 OBJECT WEIGHS 7-13 POUNDS

DATA SOURCE		QUALITY	SOURCE COOE	DWMSTOP ELEMENT	ANTR	OPERATION/ELEMENT DESCRIPTION
AF	u	OSW	2210\$1	MCLPCXX	VARIABLE	PART.CLEAN WITH AIR STATIS-WITH REACH TO AIR HOSE WITH ONE HAND AND OTHER HAND ON PART INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE HUSE, MOVE HOSE TO PART, TURN ON AIR WITH PUSH BUTTON, ROTATE PART, TURN OFF AIR, RETURN HOSE ENOS-WITH ONE HAND AWAY FROM HOSE AND OTHER HAND ON PART
					162 279 370	CASE OF FOUR INCH PART TO FIVE PUUNDS 02 EIGHT INCH PART 5-15 POUNDS 03 12 INCH PART-15 TO 40 POUNDS
FFE	U	MAA	GCLCAB1	MCLSCXX	VARIABLE	SUNFACE, CLEAN, WITH BRUSH, MEDIUM RESISTANCE STARTS-WITH REACH TO BRUSH INCLUDES-ALL THE MOTIONS NECESSARY TO GET A BRUSH, PLACE BRUSH ON SURFACE, MOVE BRUSH TO CLEAN SURFACE AND ASIDE BRUSH ENDS-WITH ASIDE BRUSH CONDITIONS-TIME IS TO CLEAN ONE SQUARE FOOT OF SURFACE
					223 180	CASE OL FIRST SQUARE FOOT  OZ EACH ADDITIONAL SQUARE FOOT
PFE	Ų	MAA	GCLCH47	MCL SCO3	1584	SURFACE, CLEAN WITH SANDPAPER STARTS-WITH REACH TO GET SANDPAPER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE SANDPAPER TO SURFACE AND SAND UP TO ONE SQUARE FOOT OR EACH ADDITIONAL SQUARE FOOT OF AREA ENDS-WITH SANDPAPER IN HAND READY TO CONTINUE OR ASIDE CONDITIONS-WET OR DRY SANDPAPER-USED FOR CLEANING, DRESSING OUT BLEMISHES OR PREPARING SURFACE FOR PAINT, ETCDOES NOT INCLUDE MOVING OR POSITIONING PART
**	U	MAF	1259	MCL SCO4	334	SURFACE, CLEAN WITH WIRE BRUSH, EMERY CLUTH AND RAG-PER FOUR LINEAR INCHES STARTS-WITH REACH TO PICK UP BRUSH INCLUDES-ALL THE MOTIONS NECESSARY TO GET A WIRE BRUSH, CLEAN A FOUR INCH SPOT, ASIDE BRUSH AND GET EMERY CLOTH OR PIECE UF STEEL WOOL, CLEAN SPOT, ASIDE EMERY CLOTH OR STEEL WOOL, GET RAG, WIPE SPUT CLEAN AND ASIDE RAG
er s	v	MAA	ecreme	MEL\$548	WARIABLE 251 551	SURFACE.SCRAPE TO CLEAN STARTS-MITH REACH TO GET CLEANING IMPLEMENT INCLUDES-ALL THE MOTIONS NECESSARY TO CLEAN RUST OR CORROSION FROM A SURFACE BY HAND ENDS-WITH SURFACE CLEAN AND CLEANING IMPLEMENT IN HAND CONDITIONS-WIRE BRUSH, CROCUS CLOTH OR EMERY PAPER USED TO CLEAN CASE OI CLEAN UP TO ONE SQUARE INCH OZ CLEAN I-4 SQUARE INCHES
		:			791 1031 1271	03 CLEAN 4-9 SQUARE INCHES 04 CLEAN 9-16 SQUARE INCHES 05 CLEAN 16-25 SQUARE INCHES
FFE	u	MAA	SCLW\$A1	MCT PRXX	VARIABLE	SURFACE.WIPE WITH CLOTH STARTS-WITH REACH FOR CLOTH INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE CLOTH ON SURFACE AND CLEAN ONE SQUARE FOOT OF SURFACE ENDS-WITH CLOTH ASIDE
					127 72	CASE OI FLAT SURFACE, FIRST SQUARE FOUT OZ FLAT SURFACE, FACH ADDITIONAL SQUARE FOUT
					199 144	O3 IRREGULAR SURFACE, FIRST SHUARE FUUT O4 IRREGULAR SURFACE, EACH ADDITIONAL SQUARE FOOT

	DATA Source	OCCUP-	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/EL	EMEN	T DESCR	IPTION :		
	HAA	U	MAA	BCLXXX	TCLOCXX	TABLE	OBJECT.CLEAN.PER STARTS-WITH CLE FOR USE INCLUDES-ALL MO STROKE WITH ENDS-MITH LAST CONDITIONS-APPL FOREIGN MATT PROCESS. TIM INCLUDE APPL THE STROKE. INCLUDED. MIL	TION: THE: USE: ICABI ER B' E VAI Y PRI TIME CLE/ DIST/	G DEVICES NECES CLEANING DE CLEANING DE TO	SARY TO M G DEVICE NING DEVI HE REMOVA CAL OR ME R ROWS B, AT THE BE RWARD AND	CE L OF CHANIC D, AND GINNIN RETUR DEPEND	AL G G OF IN STROKE S ON THE
							,	A	B .	C D	12 <b>-</b> 2	1 21-27 F
							TO 2.5 LBS RESISTANCE	•	-	,	•	-
							WITHOUT A PRESSURE	4	9 1	8 27	34	41
							W/PRESS B	15	20 2	8 37	45	52
							2.5 TO 10 LBS RESISTANCE	•			43	32
							ONE WAY					
							WITHOUT C PRESSURE	6	12 2	1 30	37	45
				-			W/PRESS D	15	20 2	9. 38	46	53
							BOTH WAYS E					
					•			8	14 2	3 33	40	48
							10-20 LBS RESISTANCE	*		. •		
							ONE WAY					
							WITHOUT F PRESSURE	10	16 2	5 35	43	50
							W/PRESS G	15	21 3	0 40	48	55
							BOTH WAYS H	16	22 3	2 43	51	59
	FFD	U	TCA (	BECCHHX	TCLPCXX	TABLE	PART, CLEANIBY HAND STARTS-WITH PART INSTRUMENT IN INCLUDES-ALL THE PART WITH A BI AND BLOW OFF I ENDS-WITH CLEANII CONDITIONS-OOES I SPRAY, AIR HOSE	WITH IN S HAND MOTE RUSH, WITH NG CO	H SOLVENT CONS NEC SPRAY I AIR TO OMPLETE	BOOTH, CL ESSARY T FITH SOLV DRY	EANING O Mash Ent to	RINSE
,							OPERATION		SMALL A			LARGE
							HAND WASH- WITH BRUSH	<b>A</b>	1223	186	7	C 4034
							SOLVENT SPRAY	8	237	60	R	673
							BLOW OFF	С	373	60:		
							MTTH A TO	_	313	96:	,	1667

DATA SOURCE		QUALITY	SOURCE	DUNSTOP- ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
FFH	u	MAA	KERCLAX	SCLGRXX	VARIABLE	CORROSION, REMOVE FROM SPOT ON SURFACE STARTS-WITH REACH TO GET WIRE BRUSH INCLUDES-ALL THE MOTIONS NECESSARY TO GET WIRE BRUSH AND SCRUB CURRODED SPOT TO REMOVE
				. `		CORROSION, ASIDE BRUSH, GET CONTAINER OF CLEAN- ING COMPOUND, GET CLOTH, OPEN CONTAINER AND TILT TO MET. CLOTH, ASIDE CONTAINER, MIPE BRUSHED SPOT WITH MET CLOTH, TURN CLOTH TO DRY SURFACE AND MIPE MET AREA DRY, ASIDE CLOTH, GET CLEANER CONTAINER AND REPLACE LID, ASIDE CAN
						ENDS-WITH RELEASE OF CONTAINER CONDITIONS-BRUSH FIRST SQUARE INCH WITH 120 CEROVEE, SACH ADDITIONAL SQUARE INCH WITH 43
					1765	STROKES. WIRE BRUSH TO 1/4 INCH WIDE/DIAMETER.  CASE OI BRUSH, WIPE WITH WET AND DRY CLOTH;  FIRST OR ONLY SQUARE INCH; FLAT SURFACE
					430	OZ BRUSH ONLY; EACH ADDITIONAL SQUARE INCH:TIME IS INCLUDED IN CASE OF TO
	•			•		MIPE AREA UP TO 12 INCHES LONG-FLAT SURFACE 03 BRUSH, WIPE WITH MET AND DRY CLOTH:
					3085	FIRST OR ONLY SQUARE INCHIKUUND OK TOREGIN AR SURFACE
					903	04 BRUSH ONLY:EACH ADDITIONAL SQUARE INCH:TIME IS INCLUDED IN CASE 03 TO WIPE AREA UP TO 12 INCHES LONG:ROUND OR IRREGULAR SURFACE
FFH	u	MAA	KCLSPAX	SCLCSXX	VARIABLE	SPOT.CLEAN ON FLAT OR IRREGULAR SURFACE WITH PICK AND AIR
						STARTS-WITH REACH TO GET TOOL(PICK) INCLUDES-ALL THE MOTIONS NECESSARY TO GET PICK AND POSITION TO SPOT, CLEAN SPOT WITH PICK (LIGHT RESISTANCE AND PRESSURE), AND ASIDE TOOL, GET AIR NOZZLE, POSITION TO WORK AND ACTUATE BUTTON, CLEAN SPOT WITH AIR, ASIDE
						NOZZLE ENDS-MITH ASIDE AIR NOZZLE
						CONDITIONS-TOOL IS SIMILAR TO METAL PICK OR SPADE POINTER END OF SOLDERING AID.MAXIMUM DIAMETER OF SPOT IS 1/8 INCH.
		٠			209 115	CASE OI FIRST OR ONLY SPOT OZ EACH ADDITIONAL SPOT
MAA		MAA.	JOAMRAF	SCLSCXX	VARIABLE	SURFACE, CLEAN WITH SOLVENT AND CLOTH STARTS-WITH REACH TO CAN AND LID
			·	*		INCLUDES -ALL THE MOTIONS NECESSARY TO GET CAN OF SOLVENT AND PRY OFF LID. ASIDE LID. GET RAG AND DIP IN SOLVENT. HRING OUT RAG, MOVE RAG TO
						AND SCRUB AREA, EXAMINE AREA FOR ADDITIONAL REMOVAL, RETURN RAG, REPLACE LID ON CAN
4			•			ENDS-WITH LID ON CAN CONDITIONS-APPLICABLE TO REMOVAL OF SUBSTANCES SUCH AS MASKING TAPE RESIDUE OR SIMILAR FROM
					458	AREA TO 2X12 INCHES CASE OI GET AND OPEN CAN OF SULVENT, GET RAG PER OCCURENCE
					109	OZ DIP RAG IN SOLVENT, MOVE TO SURFACE AND RETURN TO SOLVENT, WRING RAG PER OCCURENCE
					182 225	03 SCRUB AND EXAMINE SIMPLE SURFACE 04 SCRUB AND EXAMINE COMPLEX SURFACE

DATA SOURCE	NGCUP- AT ION	QUALITY	SOURCE	DWMSTD/ ELEMENT	1.14	OPERATION/ELEMENT DESCRIPTION
NAA	U	MAA	SCLCC47	SCL SMX)	VARIABLE	SURFACE, MIPE WITH MET CLOTH STARTS-MITH REACH TO CLOTH IN BUCKET OF THINNER
						INCLUDES—ALL THE MOTIONS NECESSARY TO GET CLOTH FROM BUCKET OF THINNER, WRING OUT EXCESS THINNER, MOVE CLOTH TO SURFACE AND WIPE, ASIDE CLOTH
						ENDS-WITH ASIDE CLOTH CONDITIONS-THINNER IS MIL-TT-T-266, MIL-T-19544 OR SIMILAR. WIPE SURFACE THREE STROKES PER SQUARE FOOT
				*	183	CASE OI WIPE FIRST OR ONLY SQUARE FOOT
					81	OZ WIPE FARSI OR ONLY SQUARE FOOT (THREE STRUKES WITH CLOTH ONLY)
FFE			GC PCAQ5	MCPCIO1	322	CLAMP(C TYPE), INSTALL AND REMOVE STARTS-WITH REACH TO GET CLAMP INCLUDES-ALL THE MOTIONS NECESSARY TO PLACE, TIGHTEN, LOOSEN AND REMOVE CLAMP FROM OBJECT ENDS-WITH CLAMP ASIDE
						CONDITIONS WING OR T TYPE HANDLE-CLAMP WEIGHS 2.5 TO 10 POUNDS. CLAMP IS OPEN.
<b>10</b>	U	HAF	3000	MCPCIO2	46	CLAMPISPRING), INSTALL
				,		STARTS-WITH REACH TO CLAMP
						INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND
					•	INDIALL A SPRING CLAMP ON A PART
						ENDS-WITH RELEASE OF CLAMP
FFF	U	MAA	MCPCLXX	MCPCLXX	VARIABLE	CLAMPICLECO) INSTALL OR REMOVE
						THREE INCHES OF CLAMP
						INCLUDES-ALL MOTIONS NECESSARY TO INSTALL OR
						KtMUVE CLECO CLAMP WITH CLECK DLIEDS
					**	ENDS-WITH RELEASE OF TENSION ON CLAMP
					55 82	CASE OI REMUVE CLECO CLAMP
					92	OG INSTALL CLECO CLAMP WITH UP TO 15 INCH
					92	PLACE OF CLAMP
						18 INSTALL CLECO CLAMP WITH 15-27 INCH PLACE OF CLAMP
FFF	U	MAA	MC PC TO1	MCPCTO:	75	CLAMPIC TYPE) TIGHTEN OR LOOSEN
						STAKIS-WITH HAND(SION CLAMP
						INCLUDES-ALL MOTIONS NECESSARY TO TIGHTEN OR
						LOOSEN A"C"CLAMP ENDS-WITH HANDISJON CLAMP
						CONDITIONS -UP TO 6-INCH T-HANDLE RADIUS, ONE
						REVOLUTION CLEARANCE BETWEEN PART AND CLAMP
FFF	Ù	MAG (	MCPPJXX	MCPPJXX	WAS TARKE	
					*	JAM(PARALELL) TIGHTEN OR LOOSEN STARTS-WITH ONE HAND ON ADJUSTING HANDLE AND
						UIDER DARU UN LOCKING MANDIE DEADY TO TION
				•		INCLUDES-ALL MOTIONS NECESSARY TO TIGHTEN OR
						LOUSEN PARALELL JAM DOUBLE MANDLE SCREM CLAMP ENDS-WITH HANDS ON MANDLES AFTER TIGHTENING OR
				•		LUUSENING
					112	CONDITION-UP TO ONE THREAD ADJUSTMENT INCLUDED CASE OI LARGE CLAMP, TIGHTEN OR LODSEN
						(SCREWDRIVER HANDLES)
					50	02 SMALL CLAMP.TIGHTEN OR LOOSEN
						(KNURLED KNOBS TO 3/4 INCH O.D.)

DATA SOURCE		QUALITY	SOURCE	DUMSTOP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
888	44	MAA	MCPS PXX	MCPSPXX	VARIABLE	CLAMP(SPRING), INSTALL UR REMUVE, SMALL OR LARGE
***						STARTS-WITH CLAMP IN HAND INCLUDES-ALL MUTIONS NECESSARY TO OPEN AND
						CLOSE CLAMP FOR INSTALLATION OR REMOVAL
						ENDS-WITH CLAMP IN HAND AFTER INSTALLATION OR
			**			REMOVAL
•					•	CONDITIONS-DOES NOT INCLUDE MOVE TO INSTALLATION OR HOVE AWAY AFTER REMOVAL FROM
						PART. CUMMON TO ALLIGATOR CLAMPS, HEAT SINKS,
						AND WISE GRIP TYPE CLAMPS
					20	CASE OI SMALL CLAMP UP TO 1 INCH OF MOVEMENT OF LARGE CLAMP FROM 1-3 INCHES OF
				•	26	NOVEMENT
					•	THE STATE OF THE S
NAA	ш	MAA	OCPHTXX '	SCPCIXX	VARIABLE	CLAMP, INSTALL AND REMOVE
*****	•					STARTS-WITH REACH TO TOOL AND/UR CLAMP INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN
			i.			AND/OR ADJUST CLAMP AND INSTALL ON WORK AND
						LOOSEN AND REMOVE FROM WORK FOR FIRST CLAMP
					1.4	AND FOR EACH ADDITIONAL CLAMP USED
			,			ENDS-WITH CLAMP AND/OR TOOL ASIDE CONDITIONS-LIMITED TO ACCOMPLISHMENT CONTAIN-
						ING SOME INTERFERENCE BUT WHOLLY VISIBLE OR
						NO INTERFERENCE AND PARTIALLY VISIBLE
				•	388	CASE O1 CLECO.PLIER TYPE-FIRST PIECE O2 CLECO.PLIERS TYPE-ADDITIONAL PIECE
					230	03 TOGGLE(QUICKIE)CLAMP OR VISE GRIP
			-		359	PLIERS-FIRST PIECE
					208	04 TOGGLETQUICKTESCLAMP OR VISE GRIP
						PLIERS-ADDITIONAL PIECE
					516	OS CLECO, WING NUT TYPE-PER PIECE OG C CLAMP-FIRST PIECE
			٠.		555 306	J7 C CLAMP-ADDITIONAL PIECE
					174	OB SPRING CLAMP-FIRST PIECE
					89	09 SPRING CLAMP-ADDITIONAL PIECE
FFH	4	MAA	кирнахх	NDAPRXX	VARIABLE	PART.REMOVE FROM MOUNTING LOCATION OR MATING
						STARTS-WITH REACH TO PART INCLUDES-ALL MOTIONS NECESSARY TO GRASP PART
					• •	AND REMOVE FROM MOUNTING LOCATION OR MATING
					•	PART
						ENDS-WITH ASIDE PART CONDITIONS-NO TIME INCLUDED FOR REMOVAL UF
						FASTENERIS . NORMAL ACCESS-NO INTERFERENCE WITH
				•		PART REMOVAL.
					- 58	CASE OI SCREW MOUNTED, MULTI ALIGN PART; NORMAL ACCESS:0-2.5 PUUNDS ENW
					91	02 SCREW HOUNTED, MULTI ALIGN PART; NORMAL
					7.	ACCESS:2.5-20 POUNDS ENW
					97	O3 SCREW MOUNTED, MULTI ALIGN PART; NORMAL
					43	ACCESS:20-40 POUNDS ENW 34 STUD OR BOLT MOUNTED, MULTI ALIGN PART;
					. 62	NORMAL ACCESS:0-2.5 POUNDS ENW
					95	35 STUD OR BULT MOUNTED.MULTI ALIGN PART;
						NURMAL ACCESS: 2.5-20 POUNDS ENW 06 STUD OR BULT MOUNTED, MULTI ALIGN PART:
		• •	•		101	NIRMAL ACCESS: 20-40 POUNDS ENW
MG	U	DAM	LAIAL	HOAPROT	7 156	PART.REMOVE FROM MOUNTING LOCATION OR MATING PART.TIGHT FITTING PARTS
						STARTS-WITH REACH TO PART
						INCLUDES—ALL MUTIONS NECESSARY TO GAIN CONTROL OF PART AND SEPARATE FROM MOUNTING LOCATION
						OF PART AND SEPARATE FROM MUUNTING LOCATION ENDS-WITH SEPARATION OF PARTS
						CONDITIONS-PART REQUIRES MOVING SIDE TO SIDE
						TO BREAK CONTACT

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	U	MAA	KMPHAD3	HDAPRO8	95	PART, REMOVE FROM MATING PART BY PUSHING WITH THUMBS
	•					STARTS-WITH REACH TO ASSEMBLY INCLUDES-ALL MOTIONS NECESSARY TO GET CONTROL
						OF ASSEMBLY WITH BOTH HANDS, PUSH WITH THUMBS TO REMOVE PART, AND GET AND ASIDE REMOVED PART ENDS-WITH RELEASE OF PART
						CONDITIONS-MEIGHT OF PART LESS THAN 2.5 POUNDS ENM.LENGTH OF ENGAGEMENT NOT TO EXCEED ONE INCH.
FFH	U	MAA	KMPHADS	MOAPR09	107	PART.REMOVE FROM MATING PART WITH FINGER STARTS-MITH REACH TO PART INCLUDES-ALL MOTIONS NECESSARY TO POSITION
						FINGER IN PART AND PULL FREE FROM MATING PART ENDS-WITH ASIDE PART COMDITIONS-PART WEIGHS LESS THAN 2.5 POUNDS ENW
FFD	Ų	AAM	GEATNIX	TDAPIXX	TABLE	PART, INSTALL INTO HOLE OR ONTO SHAFT STARTS-WITH REACH TO GET PART/OBJECT
						INCLUDES—ALL THE MOTIONS NECESSARY TO GET PART OR OBJECT. POSITION TO HOLE OR SHAFT, ALIGN AND PUSH/PRESS ONTO SHAFT OR INTO HOLE BY HAND,
						TOOL OR PRESS ENDS-WITH PART INSTALLED, MAND ON PART CONDITIONS-NO TIME FOR WALKING INCLUDED
	*					ENM OF PART/OBJECT(POUNDS) TO 2.5 2.5 TO TO 2.5 2.5 TO
		:				10 10 SYMMETRICAL NON-SYMMETRICAL
						A B C D BY HAND PRESSURE A 97 110 123 136
					• .	NO PRESSURE 8 65 68 91 94
					1	WITH HAMMER C 432 445 452 471
•						WITH HAMMER D 730 719 750 745 AND DRIFT
					•	ARBOR PRESS E 486 492 506 512 MAND OPER.
	•					HYDRAULIC F 1054 1292 1074 1312 PRESS
MF	U ·	MAF :	3748	8098001	42	BRUSH.DIP STARTS-WITH MOVE BRUSH INTO CAN INCLUDES-ALL MOTIONS NECESSARY TO MOVE BRUSH
						TO CAN, DIP, REMOVE, WIPE ON EDGE AND MOVE AWAY ENDS-WITH EXCESS WIPED FROM BRUSH
FFH	J	MAA	BDPCW01	BOPCW01	38	CLOTH, MRING TO REMOVE EXCESS FLUID STARTS-WITH CLOTH IN HAND READY FOR MRINGING
		•	•			INCLUDES-ALL MOTIONS NECESSARY TO MRING EXCESS FLUID FROM CLOTH BY TWISTING WITH BOTH HANDS ENDS-WITH CLOTH IN HAND AFTER WRINGING
					•	CONDITIONS—THIS ELEMENT COVERS WRINGING A STANDARD SHOP CLOTH MEASURING APPROXIMATELY L4X18 INCHES OR SIMILAR ITEMS
FFH	U	MAA (	BOPHIO1	BOPHIOI	40	HAND. IMMERSE IN FLUID, REMOVE, AND SHAKE TO
					•	STARTS-MITH HAND AT SURFACE OF FLUID INCLUDES-DIP HAND, REMOVE, AND SHAKE ONCE TO REMOVE EXCESS FLUID
		ř			·	ENDS-WITH MAND OUT OF FLUID CONDITIONS-APPLIES TO THE IMMERSION OF THE MAND IN FLUIDS SUCH AS WATER, THINNER, SOLVENTS

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TAU VALUE	QPERATION/ELEMENT DESCRIPTION
MÇ.	u	MAO	LA18	800001	63	OBJECT.DIP IN VISCOUS MATERIAL SUCH AS GREASE, RED LEAD OR SIMILAR STARTS-WITH PART IN HAND INCLUDES-ALL MOTIONS NECESSARY TO MOVE PART TO COMPOUND.IMMERSE PART.REMOVE PART FROM COMPOUND.AND VISUALLY CHECK COATING ENDS-WITH PART IN HAND
· FFM	u	MAA	BOPPIAX	BOPPEXX	73	PART, IMMERSE AND SHAKE STARTS-MITH PART IN HAND OR HELD WITH TOOL NEAR SOLUTION INCLUDES-ALL MOTIONS NECESSARY TO IMMERSE PART IN SOLUTION, REMOVE AND SHAKE OFF EXCESS LIQUIO ENDS-WITH PART IN HAND OR HELD WITH TOOL NEAR SOLUTION CONDITIONS-APPLIES TO PARTS WITHOUT CAVITIES THAT DO NOT REQUIRE PROCESS TIME TO DRAIN CASE OI LARGE PART, 10-30 POUNDS
					48 32 23	OZ MEDIUM PART,5-10 POUNDS O3 SMALL PART,TO FIVE POUNDS O4 VERY SMALL PART,HANDLED WITH TOOL, TWEEZERS,MAGNET,ETC.
MAA	U	HAA	BOPSXXX	TOPOIXX	TABLE	OBJECT.IMMERSE IN LIQUID OR PASTE STARTS=MITH OBJECT IN HAND AND AT SURFACE OF LIQUID OR PASTE INCLUDES=ALL MOTIONS NECESSARY TO IMMERSE AND REMOVE OBJECT OR TO WIPE OFF EXCESS LIQUID OR PASTE ENDS=MITH OBJECT IN HAND READY TO MOVE FUR USE CONDITIONS=AVERAGE IMMERSION APPLIES TO TOLERANCES OF 1/2 INCH OR GREATER.CAREFUL IMMERSION APPLIES TO TOLERANCES OF 1/16 TO 1/2 INCH.WIPE AFTER IMMERSION(CASE CX) IS TO BE ADDED TO CASES AX OR BX AS APPROPRIATE OEPTH OF IMMERSION(INCHES) TO-1 1-3 3-9 A B C AVERAGE IMMERSION A 4 9 18 CAREFUL IMMERSION B 10 14 24 WIPE AFTER C 4 10 21 IMMERSION
FFF	U	MAA	BELAPXX	BELAPXX	VARIABLE	APPLY PRESSURE STARTS-WITH BODY MEMBER IN CONTACT WITH OBJECT(S) INCLUDES-EXERTION OF MUSCULAR FORCE ON AN OBJECT TO ACHIEVE CONTROL, TO RESTRAIN OR TO OVERCOME RESISTANCE TO MOTION ENDS-WITH ACTING BODY MEMBER IN CONTACT WITH OBJECT(S) CASE OI REGRASP OR SQUEEZE AND APPLICATION OF
					16	PRESSURE O2 APPLICATION OF PRESSURE ONLY
\$65	u		9EL DEXX	BELDEXX	VARIABLE 4	DISENGAGE ONE OBJECT FROM ANOTHER OBJECT STARTS-MITH HAND ON AN OBJECT JOINED WITH ANOTHER OBJECT INCLUDES-THE SUDDEN END OF CONTACT RESISTANCE BETWEEN TWO OR MORE OBJECTS PREVIOUSLY JOINED, EVIDENCED BY AN INVOLUNTARY RECOIL MOTION ENDS-MITH HAND ON OBJECT DETACHED CONDITION-FOR OBJECTS DIFFICULT TO HANDLE ADD BEL-RG-01 CASE OI DISENGAGE, LOSE
					23	OZ DISENGAGE, TIGHT

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE	DWMSTO! ELEMEN		OPERATION/ELEMENT DESCRIPTION
PPA ·		MAA	RELFDOI	BELEDO		EXTENDED DISTANCE STARTS-AT THE END OF A 27 INCH REACH OR MOVE INCLUDES-MECESSARY TIME FOR AN ADDITIONAL TEN INCH REACH OR MOVE ENDS-AT THE END OF THE EXTENDED REACH OR MOVE CONDITION-TIME FUR MOVES AND REACHES GREATER THAN 27 INCHES IN INCREMENTS OF TEN INCHES
FFF	U	MAA	WELELOI	BELEFO	7	EYE, FOCUS ON OBJECT STARTS-MITH THE EYES AT REST INCLUDES-THE EYES CONCENTRATING ON A GIVEN CHARACTERISTIC OF AN OBJECT MITHIN THE AREA OF NORMAL VISION LONG ENDUGH TO DISTINGUISH IT THROUGH MUSCULAR ADJUSTMENT OF THE LENS ENDS-WITH THE EYES AT REST
FFF	Ų	MAA	BELETXX	BELETXX	VARIABLE  1 6	EYE, TRAVEL STARTS-WHEN EYE BEGINS TO SHIFT AIM OF AXIS OF VISION INCLUDES-MOVEMENT OF THE AIM OF AXIS OF VISION TO NEW VIEWING AREA ENDS-WHEN EYE MOVEMENT STOPS CONDITION-MAXIMUM VALUE 20 TMU CASE 01 EYE TRAVEL OF 1 INCH WITH EYES 15 INCHES FROM OBJECT 02 EYE TRAVEL OF 1 FOOT WITH EYES 30 INCHES FROM OBJECT
FFF	u	MAA	BELRGOI	BELRGO1	6°	O3 EYE TRAVEL 70 DEGREES  REGRASP STARTS=WITH OBJECT IN HAND INCLUDES=SHIFTING THE HOLD OR REALIGNING THE FINGERS ON AN OBJECT TO IMPROVE OR INCREASE CONTROL ENDS=MITH OBJECT IN HAND
45	ń	MAL	MTM=86	\$ELTOO1	27	TIME.OBSERVE STARTS-WITH EYE TRAVEL TO CLOCK INCLUDES-ALL EYE TRAVEL AND EYE FOCUSES NECESSARY TO OBSERVE TIME ENDS-WITH TIME NOTED
<b>S</b> FF	<b>u</b>	MAA	<b>BELTSXX</b>	BELTSXX	12 19 23 29	TURN WRIST, SHIFT GRASP AND TURN, WITH OR WITHOUT PRESSURE  STARTS—WITH MAND ON AN OBJECT INCLUDES—TURNING AN OBJECT WITH A TURN MOTION AND SHIFTING THE GRASP BY RELEASING, TURNING THE MAND BACK, AND GRASPING THE UBJECT ENDS—WITH THE MAND ON THE OBJECT CONDITION—CASES 03 AND 04 INCLUDE AN APA FOR APPLICATION OF PRESSURE. IF AN APB IS REQUIRED, SUPPLEMENT THIS ELEMENT WITH BEL—RG—01 CASE 01 TURN TO 90 DEGREES WITHOUT PRESSURE 03 TURN 90—180 DEGREES WITH PRESSURE 03 TURN 90—180 DEGREES WITH PRESSURE
fff (	J	MAA	RELTWXX	BELTMXX	VARIABLE 4 7 15	TURN WRIST, TURN ONLY, WITH OR WITHOUT PRESSURE STARTS-MITH MAND EMPTY OR LOADED INCLUDES-ROTATING THE HAND, WRIST, AND FOREARM ABOUT THE LONG AXIS OF THE FOREARM ENDS-WITH HAND EMPTY OR LOADED CONDITIONS-IF HAND IS LOADED WITH WEIGHT EXCEEDING 2.5 POUNDS, SUPPLEMENT WITH TEL-WF-XX CASES 03 AND 04 INCLUDE AN APA FOR APPLICATION OF PRESSURE. IF AN APB IS REQUIRED, SUPLEMENT WITH BEL-RG-01. CASE 01 TURN TO 90 DEGREES WITHOUT PRESSURE 02 TURN 90-180 DEGREES WITH PRESSURE 03 TURN TO 90 DEGREES WITH PRESSURE

DATA SOURCE		QUALITY	SOURCE CODE	OWNSTOP ELEMENT	TMU VAL UE	OPERATION/ELEMENT DESCRIPTION
fff	u	MAA	8ELWXXX	TELWFXX	TABLE	WEIGHT FACTOR.FIRST AND ADDITIONAL STARTS-WHEN GRASP IS COMPLETED INCLUDES-ADDITIONAL TIME FOR MOVES WITH WEIGHT IN EXCESS OF 2.5 POUNDS ENDS-WHEN MOVE IS COMPLETED
						WEIGHT FACTOR FIRST, STATIC ADDITIONAL, EFFECTIVE NET AND DYNAMIC DYNAMIC ONLY WEIGHT (POUNDS) A B
		·				2.5=10 A 3 1 10=20 B B 2 20=30 C 12 3 30=40 D 17 4
						40=50 E 22 6
<b>в</b> рн	u	FAL	HSTITXX	BEVVTXX	1894 947 631 473 379 189	VEHICLE.TRAVEL STARTS-WHEN VEHICLE STARTS TO MOVE INCLUDES-ALL THE TIME NECESSARY FOR A VEHICLE TO MOVE 100 FEET ENDS-WHEN VEHICLE STOPS MOVING CONDITIONS-VEHICLES MOVE AT AVERAGE SPEEDS LISTED BELOW-TIMES ARE FOR 100 FEET OF TRAVEL- DOES NOT INCLUDE GETTING IN OR OUT OF VEHICLE CASE 01 MOVE AT ONE M.P.H.  02 MOVE AT TWO M.P.H.  03 MOVE AT FOUR M.P.H.  04 MOVE AT FOUR M.P.H.  05 MOVE AT FIVE M.P.H.
					126 95 76 63	07 MOVE AT 15 M.P.H. 08 MOVE AT 20 M.P.H. 09 MOVE AT 25 M.P.H. 10 MOVE AT 30 M.P.H.
ĐL.	v	MAL	<b>BENTMO7</b>	MEVSF01	177	SEATBELT, FASTEN AND UNFASTEN STARTS-WITH REACH TO SEATBELT INCLUDES-ALL MOTIONS NECESSARY TO FASTEN, TIGHTEN, AND UNFASTEN AND LAY ASIDE A SEAT BELT ENDS-WITH RELEASE OF BELT
OL.		MAL	PONTHA	MEVTHOL	521	TRUCK, MOUNT AND DISMOUNT STARTS-WITH REACH TO DOOR HANDLE ON TRUCK CAB INCLUDES-ALL MOTIONS NECESSARY TO OPEN DOUR, CLIMB INTO CAB, CLOSE DOOR, OPEN DOOR, CLIMB OUT OF CAB, AND CLOSE DOOR ENDS-WITH OPERATOR STANDING BESIDE TRUCK CONDITION-APPLICABLE TO 1/2 TO 2 1/2 TON TRUCK
DL.		HOL	BENTHLO	MEVTSOL	395	TRUCK, START AND STOP STARTS-MITH MOVE FOOT TO CLUTCH INCLUDES-ALL MOTIONS NECESSARY TO START ENGINE, SHIFT INTO GEAR, RELEASE BRAKE, GRASP STEERING WHEEL READY TO DRIVE, SET HAND BRAKE, AND TURN IGNITION OFF ENDS-WITH MOVE FOOT FROM CLUTCH
<b>167</b>	u	MAF	2604	BGMACOL	103	ALIGNMENT.CHECK WITH STRAIGHTEDGE STARTS-WITH STRAIGHTEDGE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO CHECK ALIGNMENT WITH STRAIGHTEDGE AT THREE LOCATIONS ENDS WITH STRAIGHTEDGE IN HAND CONDITION-DOES NOT INCLUDE TIME FUR MOVING PARTS TO ALIGN
NF		MAF	2603	BGMACO2	120	ALIGNMENT, CHECK WITH LEVEL STARTS-WITH LEVEL IN HAND INCLUDES-ALL MUTIONS NECESSARY TO MOVE LEVEL TO OBJECT TO BE CHECKED, ADJUST POSITION OF LEVEL, LOOK AT BUBBLE, AND MOVE LEVEL ASIDE ENDS-WITH LEVEL IN HAND CONDITION-ADJUSTMENT OF PART IS NOT INCLUDED

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	SPERATION/FLEMENT DESCRIPTION
FFD	U	MAA	BITRRO1	BGMRRO1	22	RULE, READ TO COMPARE MARK ALIGNMENT STARTS-MITH EYES ON RULE AND RULE IN PLACE INCLUDES-COUSING EYES ON RULE AND COMPARING MARK ALIGNMENT ENDS-WITH EYES ON RULE
NF	U	MAF	332	BGMSA01	44	SQUARE, ALIGN TO MARK STARTS-MITH SQUARE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO MOVE AND POSITION SQUARE TO MARK ENDS-MITH SQUARE POSITIONED CONDITION-ALIGN TO MARK WITHIN 1/16 INCH OR LESS
NF	U .	MAF	2612	BGMSUQ1	139	SQUARE, USEIPART IN HAND) STARTS-WITM PART AND SQUARE IN SEPARATE HANDS INCLUDES-ALL THE MOTIONS NECESSARY TO PLACE PART AND SQUARE TOGETHER, SIGHT, ALIGN AND CHECK ALIGNMENT ENDS-WITH PART AND SQUARE IN SEPARATE HANDS
NF	U	MAF	2611	BGMSUO2	218	SQUARE, USE(PART ON BENCH) STARTS-MITH SQUARE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE SQUARE TO PART(JOU), POSITION SQUARE, BEND, OBSERVE, ARISE ENDS-MITH SQUARE MOVED AMAY FROM JOB CONDITIONS-CAN BE PERFORMED BY EITHER HAND
OL	U	MAL	вими	МБИНИХХ	VARTABLE	MATERIAL, MEASURE LENGTH OF STARTS-MITH TAPE MEASURE IN HAND AND TURNING OF THE BODY TO THE END OF THE MATERIAL INCLUDES-ALL THE TIME NECESSARY TO POSITION A TAPE MEASURE AND MEASURE A PIECE OF MATERIAL ENDS-MITH TAPE MEASURE HELD TO THE MATERIAL CASE OI FIRST TWO FEET OF LENGTH MEASURED
AE	U	MAW	FMGFRXX	MGMRUXX	VARIABLE	OZ EACH ADDITIONAL TWO FEET MEASURED  RULE(SIX=FOOT FOLDING), USE STARTS=MITH FOLDED RULE IN HAND INCLUDES=ALL THE MOTIONS NECESSARY TO UNFOLD EIGHT SECTIONS OF A SIX=FOOT RULE, POSITION RULE TO MORK, CHECK MEASUREMENT, MOVE RULE FROM MORK, AND FOLD RULE ENDS=MITH FOLDED RULE IN HAND CASE OI FIRST MEASUREMENT
NF	U	MAF	1018	MGÄSUXX	189 VARIABLE	OZ EACH ADDITIONAL MEASUREMENT  SCALE, USE STARTS-WITH A REACH TO SCALE INCLUDES-ALL THE MOTIONS NECESSARY TO GET, ORIENT, MOVE SCALE TO PART, POSITION END, CHECK, ADJUST, READ AND CHECK READING ENDS-WITH RELEASE OF SCALE
		•			694 926 544 776	CASE O1 READ TO 1/16 INCH ON 36 INCH SCALE O2 READ TO 0.010 INCH ON 36 INCH SCALE O3 READ TO 1/16 INCH ON 12 INCH SCALE O4 READ TO 0.010 INCH ON 12 INCH SCALE

DATA SQURCE		QUALITY	SOURCE	DWMSTOP ELEMENT	TMU	DPERATION/ELEMENT DESCRI	PTEON
.NAA	U	MAA	MGTXXXX	TGTOGXX	TABLE	OBJECT.GET AND PLACE STARTS-WITH REACH TO OBJECT	
						INCLUDES-ALL MOTIONS NECESS	ARY TO GET AND
			•			PLACE AN ORJECT	
						ENDS-WITH RELEASE OF THE OR CONDITIONS-APPLICABLE TO WE	JECT FIGHTS OF 2.5 POUNDS
						OR LESSIEFFECTIVE NET WE	IGHT).TU DETERMINE
						DISTANCE CODE TO BE USED	COMPUTE THE AVERAGE
						OF THE REACH AND MOVE DIS	STANCE TANCE(INCHES)
							-9 9-15 15-21 21-27
						CONDITION A B	C D E F
						OF MOVE	•
	•					EASY GRASP Variàble a 8 13	22 30 38 47
•						LOOSE B 16 21	31 40 49 59
						CLOSE C 26 31	42 50 60 70
						EXACT D 53 58	68 77 86 97 27 36 44 54
						OTHER E 14 17 Hand	27 36 44 54
						THREADED F 32 37	47 56 65 75
		•				FASTENER	•
						JUMBLED	
						W/ONE HAND Variable G 15 22	30 38 47 55
						VARIABLE G 15 22 Logse H 23 30	39 48 58 67
					*	CLOSE J 33 40	50 58 69 78
						EXACT K 60 67	76 85 95 105
						OTHER L 21 26	35 44 53 62
						HAND THREADED N 39 46	55 64 74 83
						FASTENER	
						SIMO JUMBLED	
						OBJECT	
						VARIABLE N 26 33	41 49 58 66 50 59 69 78
						LOOSE P 34 41 CLOSE R 44 51	50 59 69 78 61 69 80 89
		•	•			EXACT S 71 78	87 96 106 116
						THREADED T 76 83 FASTENER	92 101 111 120
		***	AGTXXXX	TGTOOXX	TABLE	OBJECT-OBTAIN	• •
FFF	, u	MAA -		1010022	1 4055	STARTS-WITH REACH TO AN OB	JECT
						INCLUDES-REACH TO THE OBJE	CT, GAIN CONTROL, AND
		•				RELEASE THE OBJECT ENDS—WHEN OBJECT IS RELEAS	ED .
						TYPE OF DISTANC	E REACHED(INCHES)
						GRASP AND TO 1 1-3	
						OBJECT A B Location	C D E F
						CONTACT	. 10 12 15
				•		FIXED A 2 4 VARIABLE B 2 4	7 10 12 15 9 13 17 22
					•		
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						GET ADD. E 17 19 OBJECT	
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						OBJECT	
			•			HANDFUL J 33 35	39 44 48 52

DATA Source		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	UPERATION/ELEMENT DESCRIPTION
AF	U	MAO	РКМНОО1	BIDSSOL	65	STAMP(METAL), STRIKE WITH MAMMER STARTS-WITH HAMMER AND STAMP IN HAND INCLUDES-ALL MUTIONS NECESSARY TO PLACE STAMP, STRIKE ONE BLOW WITH HAMMER, MOVE STAMP AND HAMMER ASIDE, AND INSPECT MARKING ENDS-WITH HAMMER AND STAMP IN HAND AND EYES FOCUSED ON MARKING
AF	J	MAO	STA0001	KKIADIH	VARIABLE	INK(OR PAINT), APPLY TO STENCIL WITH DAUBER STARTS-WITH STENCIL IN POSITION, HELD WITH LEFT HAND INCLUDES-ALL MOTIONS NECESSARY TO APPLY INK TO SIX INCH LENGTH OF STENCIL WITH ONE INCH LETTERS UR TO GET ADDITIONAL INK ON DAUBER ENDS-WITH STENCIL IN LEFT HAND
					187	CASE O1 GET DAUBER, APPLY INK TO FIRST SIX INCH LENGTH
					112 55	02 APPLY INK TO ADDITIONAL SIX INCHES WITHOUT RESUPPLY OF INK 03 APPLY ADDITIONAL INK TO DAUBER
NAA	U	ĤAA	OTLSRXX	HIDASXX	VARTABLE	STAMP(RUBBER), APPLY STARTS-WITH REACH TO STAMP INCLUDES-ALL THE MOTIONS NECESSARY TO GET STAMP, REMOVE CAP OR COVER, INK STAMP AND APPLY, REPLACE CAP OR COVER AND INCLUDES MOTIONS TO REINK AND APPLY ADDITIONAL TIMES ENDS-WITH ASIDE STAMP
					129	CASE OI FIRST APPLICATION-OBTAIN STAMP FROM, AND ASIDE TO BENCH TOP
					168	02 FIRST APPLICATION-OBTAIN STAMP FROM, ASIDE TO POCKET
					204 61	O3 FIRST APPLICATION-OBTAIN STAMP FROM, ASIDE TO DRAWER G4 EACH ADDITIONAL APPLICATION
FFE	Ü	MAA	GIDCSO1	MIDDCOL	126	DATE, CHANGE, ADJUSTABLE RUBBER DATE STAMP STARTS-WITH STAMP IN HAND INCLUDES-ALL MUTIONS NECESSARY TO TURN STAMP TO SEE DATE AND TURN KNURLED WHEEL TO CHANGE TO CURRENT DATE ENDS-WITH STAMP IN HAND CONDITION-TIME IS BASED ON CHANGING DATE ON AVERAGE WORKDAY AND INCLUDES CHANGING DAY, MONTH, AND YEAR ON A PRO RATA BASIS
FFE		MAA	GSCDAA3	HIDDIOL	346	DECALINON-PRESSURE SENSITIVED, INSTALL STARTS-WITH OBTAIN DECAL INCLUDES-ALL THE MOTIONS NECESSARY TO PUT DECAL INTO WATER, REMOVE AND SLIP FROM BACKING, POSITION, SMOOTH DOWN AND DRY WITH CLOTH ENDS-WITH DECAL IN PLACE, CLOTH ASIDE CONDITIONS-DECALS UP TO 4X6 INCHES PROCESS TIME TO SOAK DECAL IS NOT INCLUDED IN THIS ELEMENT
FFE	U	HAA	OITITKN	MIDDRO1	368	DECAL, REMOVE WITH TOOL STARTS-MITH REACH TO TOOL INCLUDES-ALL MOTIONS NECESSARY TO GET TOOL, SCRAPE DECAL OFF AN OBJECT, ASIDE TOOL, MIPE SCRAPINGS IN PILE, PUSH SCRAPINGS INTO OTHER HAND, AND ASIDE SCRAPINGS TO MASTE CAN ENDS-WITH RELEASE OF SCRAPINGS CONDITIONS-TOOL IS RAZOR BLADE OR SIMILAR. APPROXIMATELY EIGHT STROKES 1-3 INCHES LONG ARE REQUIRED TO REMOVE DECAL.

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	UPERATION/ELEMENT DESCRIPTION
AF	U	MAO	STATOOL	MIDIAXX	VARIABLE	INK(OR PAINT).APPLY TO STENCIL W/ROLLER STARTS-MITH STENCIL IN POSITION WITH LEFT HAND REACHING TO ROLLER WITH RIGHT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO GET ROLLER.ROLL OVER PAD TO INK ROLLER THEN COVER STENCIL WITH INK OR PAINT AND ASIDE ROLLER ENDS-WITH STENCIL IN LEFT HAND ROLLER ASIDE
					166 91 82	CASE OI 1-2 INCH LETTERS SIX INCH LINE  OZ EACH ADDITIONAL SIX INCH LINE WITHOUT  APPLYING ADDITIONAL INK TO ROLLER  O3 APPLY ADDITIONAL INK TO ROLLER
FFE	U	MAA	GSCLAA9	MIDPA01	609	PAINT.APPLY TO IDENTIFICATION PLATE STARTS-WITH GET PAINT INCLUDES-ALL THE MOTIONS NECESSARY TO PAINT IDENTIFICATION PLATE AFTER PLATE HAS BEEN STAMPED AND WIPE OFF EXCESS PAINT ENDS-WITH ASIDE WIPE CLOTH
AF	U	MAQ	STASO01	MIDSAOI	94	STENCIL, APPLY WITH BLOCK STAMP  STARTS—WITH REACH TO STAMP  INCLUDES—ALL THE MOTIONS NECESSARY TO GET THE  BLOCK STAMP, INK THE STAMP, APPLY THE STENCIL  AND ASIDE THE STAMP  ENDS—WITH THE RELEASE OF THE STAMP
AF	Ų	MAO	STPS002	MIDSPOL	68	STENCIL.POSITION TO SURFACE STARTS-WITH REACH TO STENCIL INCLUDES-ALL THE MOTIONS NECESSARY TO GET STENCIL.POSITION ON SURFACE OF PALLET OR BOX (HORIZONTAL OR VERTICAL) ENDS-WITH LEFT HAND HOLDING STENCIL ON SURFACE TO BE STENCILED, RIGHT HAND FREE TO MOVE TO NEXT OPERATION
<b>100</b>	U	MAG	LAIE-4	MIDSSO1	2800	STAMP(GANG).SET UP(10 MARKERS) STARTS-WITH REACH TO GET STAMP HOLDER INCLUDES-ALL THE MOTIONS NECESSARY TO GET STAMP BOX,SELECT MARKERS.REMOVE MARKERS FROM SLOT.PLACE MARKERS IN HOLDER AND PUSH AGAINST STOP.RELEASE MARKER.REGRASP HOLDER AND DEPRESS THUMB LEVER TO STOP.RELEASE LEVER ENDS-WITH STAMP SET UP CONDITIONS-DOES NOT INCLUDE TIME TO UBTAIN AND ASIDE STAMP HOLDER
St.	U	MAL	SMTT	MEDTAG	239	TAG, ATTACH TO OBJECT, WITH STRING(TIED) STARTS-WITH REACH TO STRING TAG IN IMMEDIATE WORK AREA INCLUDES-ALL THE TIME NECESSARY TO ATTACH A STRINGED TAG TO AN ITEM BY TYING ENDS-WITH THE RELEASE OF THE TAG AFTER TYING
FFE	U	MAA	MEDT001	MIDTAG		TAG.ATTACH TO OBJECT WITH STRING(TAG PULLED THROUGH LOOP)  STARTS-WITH TAG IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO ATTACH TAG BY INSERTING STRING THROUGH OBJECT, FORMING LOOP, AND PULLING TAG THROUGH LOOP  ENDS-WITH HAND IN CONTACT WITH TAG
PFF	u	MAA	-	MIDTAO	3 249	TAG.ATTACH TO OBJECT BY FORMING SLIP LOOP IN STRING STARTS-WITH REACH TO TAG WITH STRING ATTACHED INCLUDES-ALL MOTIONS NECESSARY TO GET TAG.FORM SLIP LOOP IN STRING.PLACE LOOP OVER OBJECT.AND PULL TIGHT ENDS-WITH RELEASE OF TAG

DATA SOURCE		QUALITY	SOURCE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	U	MAA	MIDATO1	HIDTA04	436	TAG.ATTACH STRING STARTS-MITH STRING AND TAG IN HAND INCLUDES-ALL MUTIONS NECESSARY TO TIE KNOT IN STRING.PLACE STRING THROUGH HOLE IN TAG AND SECURE STRING WITH LOOP ENDS-WITH TAG IN HAND CONDITION-DOES NOT INCLUDE ATTACHING TAG TO OBJECT
DL ·	U	MAL	BMTW	HIDTA05	271	TAGIOR ENVELOPE), ATTACH TO OBJECT WITH WIRE (TWISTED) STARTS-WITH REACH TO WIRE TAG OR ENVELOPE IN IMMEDIATE WORK AREA INCLUDES-ALL THE TIME NECESSARY TO ATTACH A TAG OR AN ENVELOPE WITH WIRE TO AN ITEM ENDS-WITH THE RELEASE OF THE TAG AFTER ATTACHING
FFE	U	MAA	SOOTOIM	MIDTA06	317	TAG.ATTACH TO OBJECT WITH WIRE(LOOPED AND TWISTED) STARTS-WITH TAG IN HAND INCLUDES-ALL MOTIONS NECESSARY TO ATTACH TAG WITH DOUBLE WIRE BY THREADING WIRE THROUGH OBJECT.BENDING OVER, AND TWISTING ENDS-WITH HAND IN CONTACT WITH WIRE
FFE ·	U	MAA	MIDATO2	MIDTA07	356	TAG.ATTACH WIRE STARTS-WITH WIRE AND TAG IN HANDS INCLUDES-ALL MOTIONS NECESSARY TO ATTACH WIRE TO TAG ENDS-WITH TAG IN HAND CONDITIONS-DOES NOT INCLUDE ATTACHING TAG TO OBJECT
FFF	U .	MAA	MJPDTXX	MIDTRXX	211 130 174 73	TAG, REMOVE FROM OBJECT STARTS-MITH GET TAG INCLUDES-ALL MOTIONS NECESSARY TO REMOVE TAG FROM OBJECT ENDS-MITH PLACE TAG ASIDE CASE 01 UNTWIST WIRE AND REMOVE TAG FROM OBJECT 02 GET WIRE CUTTERS, CUT WIRE, AND REMOVE TAG FROM OBJECT 03 OPEN SLIP LOOP AND SLIDE TAG THROUGH LOOP TO REMOVE FROM OBJECT 04 OPEN LOOP AND SLIP LOOP FROM OBJECT TO REMOVE TAG
FFE	ű	MAA	IGTAQA1	SIDDIOL	468	DECALIPRESSURE SENSITIVED, INSTALL, TO 1.5 X 2.5 INCHES STARTS-WITH GET DECAL INCLUDES-ALL MOTIONS NECESSARY TO REMOVE BACKING FROM DECAL WITH FINGERS, GET DAMP RAG, WIPE SURFACE WITH RAG, ASIDE RAG, PLACE DECAL ON SURFACE, RUB DECAL WITH FINGERS TO SEAT AND SMOOTH, GET DRY RAG, AND USE DRY RAG TO BLOT MOISTURE FROM SURFACE ENDS-WITH ASIDE RAG
FFE	U	MAA	GIOASA1	SIDSAOL	1416	STENCIL.APPLY.PAINT.AND REMOVE STARTS-MITH REACH TO ROLL OF TAPE INCLUDES-ALL MOTIONS NECESSARY TO GET ROLL OF TAPE.UNROLL AND TEAR OFF FOUR PIECES OF TAPE (APPROXIMATELY SIX INCHES LONG).LOCATE STENCIL ON SURFACE.AFFIX TAPE TO STENCIL.SMOOTH TAPE ON STENCIL.GET SPRAY GUN,SPRAY STENCIL.ASIDE SPRAY GUN,AND REMOVE STENCIL ENDS-MITH ASIDE STENCIL

DATA SOURCE		QUALITY	SOURCE	DWMSTOP ELEMENT	VALUE	OPERATION/ELEMENT DESCRIPTION
MAA	U	MAA	SPLONOL	SIDTAGE	- 640	TAPE.ATTACH TO PART AND WRITE IDENTIFICATION
					•	STARTS-MITH REACH TO GET ROLL OF TAPE INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP ROLL OF TAPE-ROTATE ROLL TO FIND END-LIFT END OF TAPE FROM ROLL, PULL TAPELTHO INCHES).TEAR OFF PICE-PLACE TAPE ON PARTIGET PENCIL FROM
						POCKET, WRITE DIGITS(6)ON TAPE, RETURN PENCIL TO POCKET ENDS-WITH RELEASE OF PENCIL
FFH	U	MAA	6178101	BITBIO1	. 20	GAUGE(BORE INDICATOR), USE STARTS-WITH GAUGE IN PLACE AND READY FOR CHECKING INCLUDES-ALL MOTIONS NECESSARY TO CHECK BORE
						DIAMETER PER POSITION UR SPOT ENDS-WITH GAUGE LOCATED IN PART
NO	U	MAG	LGAU1L2	SITCAGL	79	CALIPER(VERNIER).ADJUST SLIDING HEAD.FOUR INCHES STARTS-WITH CALIPER IN HANDS
						INCLUDES-ALL MOTIONS NECESSARY TO LOOSEN LOCK  NUT. MOVE HEAD FOUR INCHES, AND TIGHTEN LUCK NUT  ENDS-WITH CALIPER IN HAND
MF	U	MAF	1011	BITCOXX	VARIABLE	CALIPER.OPEN OR CLOSE STARTS-WITH CALIPERS IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN OR CLOSE CALIPER ENDS-WITH CALIPER IN HAND
					48 224	CASE 01 FIRM JOINT.24 INCH CALIPER-OPEN 20 IN- 02 SPRING.EIGHT INCH CALIPER-OPEN OR CLOSE FOUR INCHES BY ROLLING ADJUSTING NUT ON FINGER
16	u	MAF	3776	BITCSXX	VARIABLE	CALIPER,SET WITH SCALE STARTS-WITH CALIPER AND SCALE IN SEPARATE HANDS
	•					INCLUDES-ALL THE MOTIONS NECESSARY TO SET CALIPER WITH A SCALE
						ENDS-WITH CALIPER AND SCALE IN SEPARATE HANDS
					391	CONDITIONS-SET WITHIN 1/16 INCH CASE OI FIRM JOINT.24 INCH CALIPER
				•	215	OZ SPRING, B INCH CALIPER
₩	U	MAF	4132	BITCUXX	VARIABLE	CALIPER,USE STARTS-WITH CALIPER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE CALIPERS TO WORK AND USE AS INDICATED
						ENDS-WITH NOVE OF CALIPERS AWAY FROM PART
	*			•	405	CONDITIONS-GAUGE ONE DIMENSION ONLY  CASE OI SPRING INSIDE CALIPER-DIMENSION UP TO  EIGHT INCHES
					363	O2 SPRING OUTSIDE CALIPER-DIMENSION UP TO EIGHT INCHES
					875	OR 24 INCH FIRM JOINT.INSIDE, CALIPER
					539 293	04 24 INCH FIRM JOINT, OUTSIDE CALIPER 05 VERNIER CALIPER-DIMENSION UNDER 12
					592	INCHES OF VERNIER CALIPER-DIMENSION OVER 12 INCHES

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DATA SQUACE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU	OPERATION/ELEMENT DESCRIPTION
FFD	U	MAA	BITFSOZ	BITFE04	36	GAUGE(FEELER). SELECT ADDITIONAL LEAF FROM FAN TYPE FEELER. LEAVES PREVIOUSLY MOVED OUT OF CASE STARTS-WITH GAUGE IN HAND AND LEAVES OUT OF CASE INCLUDES-ALL MOTIONS NECESSARY TO SPREAD LEAVES AND SELECT LEAF ENDS-WITH GAUGE IN MAND
FFH	U	MAA	BITFPOL	BITFPOL	8	GAUGE(FLUSH PIN), USE STARTS-MITH GAUGE IN PLACE FOR CHECKING INCLUDES-ALL MOTIONS NECESSARY TO CHECK POSITION OF GAUGE WITH FINGERS ENDS-MITH GAUGE IN CONTACT WITH PART
FF	u	MAA .	BITGOOL	81TGU01	20	GAUGE(GRINDER).USE=CHECK OUTSIDE DIAMETER STARTS=HITH HAND ON GAUGE INCLUDES=ALL MOTIONS NECESSARY TO PLACE GAUGE IN POSITION FOR GRINDING ENDS=HITH RELEASE OF GAUGE
#FO	u	MAA	BITDSO2	BITGSOL	166	GAUGE(PASSAMETER), SET GAUGE WITH GAUGE BLOCK STARTS-MITH HANDS ON GAUGE, GAUGE BLOCK LYING BY GAUGE INCLUDES-ALL MOTIONS NECESSARY TO SET GAUGE TO GAUGE BLOCK DIMENSION ENDS-WITH RELEASE OF GAUGE BLOCK, GAUGE IN HAND
<b>345</b>		MAF	1024	BITGU01	428	GAUGE(RING GAUGE), USE STARTS-WITH GAUGE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO TRY A RING GAUGE BY MOVING GAUGE TO JOB, POSITION ON JOB, FIT BY FORCE, DISENGAGE AND RETURN TO BODY ENDS-WITH GAUGE RETURNED TO BODY
Æ		MAN	FINVEO1	BITIRO1	44	INDICATORIDIALI, READ STARTS-MITH EYES AT REST ON INSTRUMENT TO BE READ INCLUDES-FOCUSING EYES TO VERIFY INSTRUMENT SETTING OR READING ENDS-MITH EYES AT REST ON INSTRUMENT CONDITION-ALSO APPLICABLE TO READING SIGHT GUAGES
FFD	U	MAA	BITDSOL	BITISO1	49	INDICATORIDIAL).SET TO ZERO STARTS-WITH MANDS ON INDICATOR INCLUDES-ALL MOTIONS NECESSARY TO SET DIAL INDICATOR TO ZERO ENDS-WITH MANDS ON INDICATOR CONDITION-APPLICABLE TO DIAL INDICATOR WITH FRICTION RING OR WITH UNLOCKED LOCK SCREW
FFD	U	MAA	SITOUOI	BITIUOL	14	INDICATOR (DIAL), USE TO CHECK HEIGHT ON FLAT SURFACE, FIRST INCH STARTS-WITH GAUGE IN HAND NEAR PART INCLUDES-ALL HUTIONS NECESSARY TO CHECK SURFACE, FIRST INCH ENDS-WITH GAUGE IN POSITION TO PLACE ASIDE
FFD	U	MAA	8170002	BITIUO2	10	INDICATOR(DIAL).USE TO CHECK HEIGHT ON FLAT SURFACE STARTS-WITH GAUGE IN POSITION TO MAKE CHECK INCLUDES-ALL MOTIONS NECESSARY TO CHECK ADDITIONAL ONE INCH ON SURFACE ENOS-WITH GAUGE IN POSITION TO PLACE ASIDE
FFH ·	U	AAN	BITMROL	BITHRQL	95	INDICATORIDIAL ). USE TO CHECK MANDREL RUNGUT PER DIAMETER STARTS-WITH GAUGE POSITIONED TO DIAMETER AND HAND ON PART INCLUDES-ALL MOTIONS NECESSARY TO TURN PART TO CHECK RUN OUT OF ONE DIAMETER ENDS-WITH HAND ON PART

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELÉMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	U	MAF	2589	BIŤMÚXX	VARIABLE	MICRUMETER.USE.READ SCALE STARTS-WITH MICROMETER IN HAND INCLUDES-ALL THE EYE MOTIONS(TRAVEL AND FOCUS) NECESSARY TO READ SCALE ENDS-WHEN READING IS MADE
					560 252	CASE OI VERNIER BEVEL PROTRACTOR 02 MICROMETER TO .001
FFD	ui	MAA	BITMSO1	EOUNTIÓ	140	MICROMETER.USE, CHANGE POSITION OF THIMBLE FOR MAKING CHECK OF SIZE DIFFERENT FROM PRIOR CHECK  STARTS-WITH MICROMETER IN HAND INCLUDES-ALL MOTIONS NECESSARY TO SCREW THIMBLE DOWN 14 TURNS, PLACE TO PART, AND MAKE TWO ADDITIONAL TURNS ENDS-WITH MICROMETER OVER PART READY TO MAKE FINAL ADJUSTMENT CONDITION-APPLICABLE TO OUTSIDE, INSIDE, OR DEPTH MICROMETER UP TO 6 INCH CAPACITY
FFD	U	MÀÀ	BIŤNUOL	BITHU04	22	MICROMETER. USE TO CHECK PART AFTER CHANGE SETTING, BIT-MU-O3 STARTS-MITH MICROMETER IN POSITION FOR CHECK INCLUDES-ALL MOTIONS NECESSARY TO ADJUST MICROMETER TO PART, MOVE OFF PART, AND MOVE INTO POSITION FOR READING ENDS-MITH MICROMETER IN HAND CONDITION-APPLICABLE TO OUTSIDE, INSIDE, OR DEPTH MICROMETER UP TO 6-INCH CAPACITY
FFO	U .	MAÁ	SOUNT I B	8ĮŤĦUOŠ	74	MICROMETER, USE, TO CHECK PART (CHANGE SETTING, BIT-MU-U3, NOT NECESSARY)  STARTS-WITH MICROMETER IN PLACE (APPROXIMATE) READY TO POSITION  INCLUDES-ALL MOTIONS NECESSARY TO POSITION MICROMETER ON PART, SET, AND MOVE INTO POSITION FOR READING  ENDS-WITH MICROMETER IN HAND CONDITION-APPLICABLE TO OUTSIDE, INSIDE, OR DEPTH MICROMETER UP TO 6-INCH CAPACITY
FFH	U	MAÄ	BITPG01	BITPG01	31	GAUGE(PLUG).CHECK HOLE FOR SIZE ONLY WITH GO END STARTS-WITH GAUGE IN HAND AT PART INCLUDES-ALL MOTIONS NECESSARY TO INSERT GAUGE CHECK SIZE OF HOLE, AND REMOVE GAUGE ENDS-WITH GAUGE IN HAND
FFH	Ü	MAA	BITPGO2	BITPG02	27	GAUGE(PLUG), CHECK HOLE FOR SIZE ONLY WITH NO GO END STARTS-WITH GAUGE IN HAND AT PART INCLUDES-ALL MOTIONS NECESSARY TO POSITION GAUGE TO HOLE AND DETERMINE IT CANNOT BE INSERTED ENDS-WITH GAUGE IN HAND
FFH	U	MÅA (	BITPG03			GAUGE(PLUG), CHECK FOR SIZE AND DEPTH STARTS-WITH GAUGE IN HAND AT PART INCLUDES-ALL MOTIONS NECESSARY TO INSERT GAUGE, CHECK SIZE AND DEPTH AND REMOVE GAUGE ENOS-WITH GAUGE IN HAND

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
MAJ	<b>u</b>	MAA	MITEVXX	BITREXX	42 58 76 94	ROD. EXAMINE VISUALLY WITH NAKED EYE STARTS—WITH OBJECT IN POSITION READY FOR EXAMINATION INCLUDES—ALL MOTIONS NECESSARY TO VISUALLY EXAMINE SURFACE CONDITION OF THE OBJECT ENDS—WITH DETERMINATION OF SURFACE CONDITION CONDITIONS—APPLIES TO OTHER SIMILAR OBJECTS SUCH AS SCREWS AND STUDS. APPLIES UNLY TO YES/ NO TYPE EVALUATION NOT REQUIRING PROLONGED MENTAL CONSIDERATION WHICH WOULD LIMIT OUT EYE FOCUS AND EYE TRAVEL. DOES NOT INCLUDE GET, PLACE OR LAY ASIDE OBJECT. CASE 01 UP TO 1 INCH LENGTH 02 1 TO 3 INCH LENGTH 04 5 TO 7 INCH LENGTH
FfH	U	MAA	BITSHOL	BITSNO1	26	GAUGE(SNAP).USE TO CHECK DIAMETER OF PART STARTS-WITH GAUGE IN HAND AT PART INCLUDES-ALL MOTIONS NECESSARY TO CHECK PART, PER POSITION OR SPOT ENDS-WITH GAUGE IN CONTACT WITH PART
MAJ	U	<b>MAA</b>	MITEVXX	OITWEXX	31 39 47 55 63	WIRE, EXAMINE VISUALLY, SAFETY, TWISTED STARTS—WITH OBJECT IN POSITION READY FOR EXAMINATION INCLUDES—ALL MOTIONS NECESSARY TO VISUALLY EXAMINE THE SAFETY WIRE ENDS—MITH DETERMINATION OF SAFETY WIRE CONDITION CONDITION CONDITION CONDITION NOT REJUIRING PROLONGED MENTAL CONSIDERATION HITCH WOULD LIMIT OUT EYE FOCUS AND EYE TRAVEL. DOES NOT INCLUDE GET, PLAGE, OR LAY ASIDE OBJECT CASE 01 UP TO 1 INCH LENGTH 02 1 TO 3 INCH LENGTH 04 5 TO 7 INCH LENGTH 05 7 TO 10 INCH LENGTH
<b>6</b> F	v	ифа	CAMBCO1	MITBCOL	561	BATTERY, CHECK WATER LEVEL, 12 VOLT WATER TYPE BATTERY WITH SIX CELLS STARTS-WITH REACH TO FIRST CELL CAP INCLUDES-ALL MOTIONS NECESSARY TO REMOVE EACH OF SIX CAPS, OBSERVE WATER LEVEL, AND REPLACE CAPS ENDS-WITH RELEASE OF LAST CAP CONDITIONS-APPLICABLE TO BATTERY WITH INDIVIDUAL PULL-UP CAPS. SERVICING BATTERY NOT INCLUDED
NAA	Ü	TŲA	OACCM13	MITCAOL	165	CONTROL, ADJUST AND UBTAIN DIAL READING STARTS-MITH REACH TO CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST KNOB, OBTAIN A READING AND READ ENDS-WITH RELEASE CONTROL CONDITIONS-INCLUDES DELAY WHILE INDICATOR ATTAINS POSITION TO BE READ
FFQ	u	MAA	KERKSA9	MITCAO2	79	CONTRUL, ADJUST KNOB/DIAL AND READ STARTS-WITH REACH TO KNOB INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND TURN KNOB/DIAL TO EXACT SETTING, EYES TRAVEL TO AND FOCUS TO READ, ADJUST KNOB, HAND ASIDE ENDS-WITH HAND ASIDE

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	UPERATIUN/ELFMENT DESCRIPTION
FFD	IJ	MAA	KERKSBI	MITCA03	209	CONTROL, ADJUST WITH SCREWDRIVER.READ OSCILLOSCOPE STARTS-WITH REACH TO OBTAIN SCREWDRIVER INCLUDES-ALL THE MUTIONS NECESSARY TO ADJUST CONTROL WITH SCREWDRIVER AND READ OSCILLOSCOPE ENDS-WITH ASIDE SCREWDRIVER CONDITIONS-APPLICABLE TO ADJUSTING POTENTI- OMETER, SLUG CAPACITOR, OR SIMILAR
FFD	U	WAĄ	KERKS83	MITCA04	161	CONTROL, ADJUST, ZERO METER WITH TOOL STARTS-WITH REACH TO TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET SCREWORIVER OR SPECIAL TOOL, SET METER POINTER TO ZERO, READ METER ENOS-WITH SCREWORIVER/TOOL ASIDE
NAA		<b>MAA</b>	OGMGTXX	MITGUXX	1074 718	GAUGE(TELESCOPE AND OUTSIDE MICROMETER), USE STARTS-MITH REACH TO TELESCOPE GAUGE INCLUDES-ALL THE MOTIONS NECESSARY TO GET, COLLAPSE, INSERT, RELEASE TO SURFACE, LOCK AND REMOVE GAUGE, GET OUTSIDE MICROMETER, ADJUST TO TELESCOPE GAUGE, READ DIMENSION AND ASIDE GAUGE AND MICROMETER. EACH ADDITIONAL GAUGING INCLUDES COLLAPSING THE GAUGE, INSERTING IN OPENING, LOCKING, REMOVING AND MAKING A READING WITH A MICROMETER ENDS-WITH ASIDE OF GAUGE AND/OR MICROMETER CONDITIONS-READ TO .0001 INCH CASE 01 FIRST GAUGING 02 ADDITIONAL GAUGING
ĄF		MAF	3790	MITGUO3	1100	GAUGE(HEIGHT GAUGE), USE STARTS-MITH REACH TO GAUGE INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN GAUGE, PREPARE TABLE FOR USE, SET/ADJUST GAUGE, MOVE TO JOB, CHECK FEEL, MOVE GAUGE FROM JOB, AND READ ENDS-MITH GAUGE IN HAND CONDITIONS-GAUGE ONE DIMENSION INCLUDES READING (BIT-MU-O1)
NF	ů	MAF	3796	MITGU04	889	GAUGE(DEPTH VERNIER).USE STARTS-MITH VERNIER IN MAND INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION VERNIER TO WORK, ADJUST, LOCK, MOVE FROM WORK, AND READ ENDS-MITH VERNIER IN HAND CONDITIONS-MEASURE ONE DIMENSION ONLY INCLUDES READING (BIT-MU-01)
FFE	U	MAA	GITNCA7	NITGU05	126	GAUGE(PLUG GAUGE,GO/NO GD),USE STARTS-WITH REACH TO PART INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN AND POSITION PART,OBTAIN PLUG GAUGE AND MAKE CHECKS MITH BOTH GO AND NO GO ENDS ENDS-WITH ASIDE GAUGE CONDITIONS-GAUGE PARTS UP TO 30 POUNDS
FF	U	MAA	GITACB1	MITGU06	205	GAUGE(FEELER), USE, GAUGE CLEARANCE OR END PLAY STARTS-MITH REACH TO GET GAUGE INCLUDES-ALL THE MOTIONS NECESSARY TO GET A FEELER GAUGE, SELECT LEAF AND CHECK END PLAY OR CLEARANCE ENDS-WITH GAUGE ASIDE

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
MO	U	MAD	FH173	MITIAOL	182	INDICATOR, ADJUST TO WORK, MAGNETIC BASE INDICATOR STARTS-WITH REACH TO INDICATUR BASE INCLUDES-ALL MOTIONS NECESSARY TO MOVE BASE TO SURFACE, HOLD BASE, MOVE BASE ARM TO CORRECT POSITION, HOLD BASE ARM, LOOSEN SCREW ON INDICATOR ARM, ADJUST ARM TO CURRECT PUSITION, HOLD ARM, AND TIGHTEN SCREW ENDS-WITH SIMO RELEASE OF SCREW AND ARM
NF	U	MAF	4063	MITISOL	62	INDICATOR(DIAL), SET STARTS-MITH REACH TO DIAL INCLUDES-ALL THE MOTIONS NECESSARY TO SET AN INDICATOR DIAL BY MOVING DIAL BY HAND ENDS-WITH RELEASE OF DIAL
NAA	U	MAA	DGMMDXX	MITMMXX	<b>455</b>	MICROMETER.MEASURE DEPTH STARTS—WITH REACH TO MICROMETER INCLUDES—ALL THE MOTIONS NECESSARY TO ADJUST MICROMETER TO SURFACE AND READ FIRST DIMENSION (CASE 01). 'ALSO INCLUDES THE MOTIONS NECESSARY TO MAKE EACH ADDITIONAL MEASUREMENT OF SIMILAR OBJECT(CASE 02) ENDS—WITH ASIDE MICROMETER(CASE 01) OR WITH READ MICROMETER(CASE 02)—MEASURE TO SIX INCHES CONDITIONS—TIME FOR CHANGING MANDREL ONCE FOR EACH TEN OCCURENCES OF CASE 01 INCLUDED. READ TO .0001 INCH CASE 01 FIRST MEASUREMENT 02 EACH ADDITIONAL MEASUREMENT
NF	U	MAF	3762	MITMUXX	229 286 458	MICROMETER.USE STARTS=MITH A REACH TO OBTAIN THE MICROMETER INCLUDES=ALL THE MOTIONS NECESSARY TO OBTAIN AND USE A MICROMETER ENDS=MITH MICROMETER IN HAND READY TO READ CONDITIONS=DOES NOT INCLUDE READ=FUR GAUGING ONE DIMENSION UNLY CASE 01 OUTSIDE MICROMETEK=DIMENSION UP TO FOUR INCHES 02 OUTSIDE MICROMETER=DIMENSION FOUR TO 12 INCHES 03 OUTSIDE MICROMETER=DIMENSION OVER 12 INCHES
<b>F</b> FE	<b>U</b>	MAA	GITHC41	NITMU04	427	MICROMETER.USE-CHECK OBJECTS OF DIFFERENT SIZE STARTS-WITH MICROMETER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MEASURE INSIDE OR OUTSIDE DIAMETER IN THREE POSITIONS ON EACH SURFACE ENDS-WITH MICROMETER IN HAND CONDITIONS-APPLICABLE FOR MICROMETERS UP TO SIX INCHES-DOES NOT INCLUDE READING
FFE		<b>.</b>	GITMCAZ	MITHUOS	380	MICROMETER, USE-CHECK OBJECTS OF SAME SIZE STARTS-WITH MICROMETER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MEASURE INSIDE OR OUTSIDE DIAMETER IN THREE POSITIONS ON EACH SURFACE ENDS-WITH MICROMETER IN HAND CONDITIONS-APPLICABLE FOR MICROMETERS UP TO SIX INCHES-DOES NOT INCLUDE READING
MF	U	MAF	1020	MITHU06	343	MICROMETER.USE(REMOVE AND REPLACE EXTENSION ON INSIDE MICROMETER) STARTS-WITH MICROMETER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE ONE EXTENSION, PLACE IN CASE.GET REPLACEMENT EXTENSION, ATTACH TO MICROMETER AND SECURE ENDS-WITH MICROMETER IN HAND

DATA SOURCE	OCCUP- AT ION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TAU VAL DE	OPERATION/ELEMENT DESCRIPTION
FFÉ	U	MAA	KETEMAL	MITHUO7	265	MICROMETER, USE, CHECK INSIDE DIAMETER OR BETWERN TWO SURFACES  STARTS-WITH INSIDE MICROMETER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO GET SPINDLE WITH FINGERS, RUN DOWN SPINDLE, PLACE BETWEEN SURFACES, RUN UP SPINDLE, MOVE TO CHECK FOR CONTACT, MAKE MINUTE ADJUSTMENT ENDS-WITH FINAL ADJUSTMENT MADE, MICROMETER IN HAND AND IN CONTACT WITH PART CONDITIONS-OOES NOT INCLUDE READING TIME. MEASURE ONE SPOT ONLY.
ÅE	Ù	MAW	PH66503	ASTUNDI	185	WIRE, WEASURE FOR GAGE STARTS-WITH WIRE GAUGE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE THE WIRE GAUGE TO WIRE, POSITION GAUGE TO WIRE, MOVE BACK AND FORTH TO CHECK, CHECK WITH TWO ADDITIONAL GAUGES, READ GAUGE TO DETERMINE WIRE GAGE, MOVE GAUGE AWAY FROM WIRE ENOS-WITH GAUGE CLEAR OF WIRE
FFH		MÅÅ	TITEĀKX	TITETXX	TABLE	EYE. TRAVEL FROM POINT TO POINT TO INSPECT  STARTS-AFTER EYES MAVE SHIFTED TO FIRST POINT  TO BE INSPECTED  INCLUDES-ONE EYE FOCUS PER POINT INSPECTED  PLUS EYE TRAVEL BETWEEN POINTS  ENDS-WHEN EYES ARE READY TO SHIFT TO A NEW  INSPECTION AREA OR AMAY  DISTANCE BETWEEN POINTS(INCHES)  NUMBER 1 2 4 6 10 14 18 20  OF A B C D E F G H  POINTS  1 A B 9 11 13 17 21 25 27  2 B 15 16 18 20 24 28 32 34  3 C 23 25 29 33 41 49 57 61  4 D 31 34 40 46 58 70 82 88  5 E 39 43 51 59 75 91 107 115  6 F 47 52 62 72 92 112 132 142  7 G 55 61 73 85 109 133 157 169  8 H 63 70 84 98 126 154 182 196  9 J 71 79 95 111 143 175 207 223  10 K 79 88 106 124 160 196 232 250
NAA		MAA	DG4GFXX	TITGUXX	TABLE	GAUGE(FEELER WITH LOCKNUT), USE STARTS-WITH REACH TO FEELER GAUGE INCLUDES-ALL THE MOTIONS, NECESSARY TO GET GAUGE, LOOSEN LOCKNUT, SPREAD LEAVES, SELECT LEAF FOLD REMIANDER IN CASE, INSERT LEAF IN OPENING, CHECK CLEARANCE, OBTAIN RAG AND CLEAN GAUGE WHEN NECESSARY, FOLD LEAF USED INTO CASE ENDS-WITH LAY ASIDE FEELER GAUGE OR WITH GAUGE IN MAND AFTER ADDITIONAL GAUGING GAUGE CONDITION FIRST ADDITIONAL ADDITIONAL OF OBJECT OBJECT OBJECT-SAME MEASURE-SAME OBJECT-OIFF.  LEAF CLEAN, DRY A 432 123 294 DIRTY, DILY B 521 212 383

## Accept Mark DEFENSE MORK MEASUREMENT STANDARD TIME DATA ELEMENTS

	OCCUP- AT ION	QUALITY	SOURCE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMEN	T Di	ESCRIPTIO	) <b>N</b> -	
MAA .	<b>U</b>	MAA	QGMMOXX	TITMMXX	TABLE	MICROMETER(OUTSIDE) M STARTS-WITH REACH T OR REPOSITION MI MEASUREMENTS) INCLUDES-ALL THE MO MICROMETER, SELEC MICROMETER TO SU FIRST MEASUREMEN MENTS OF SAME OR ENDS-WITH MICROMETE CONDITIONS-READ TO	CRO TIO TO IRFA IT A IS SI	ICROMETER METER OR  NS NECES! BJECT TO CE AND RI ND FOR AN MILAR UB. SIDE	CONTROL OF THE CONTRO	EASURE) DITIONAL PEN THE RED, ADJUST RETER FOR MEASURE—
						SURFACE CONDIT!	-	FIRST MEASURE		IT IUNAL SUREMENT B
						FLAT-UP TO 3 INC CYLINDRICAL-UP T FIVE INCHES				158 225
			<b>M196UV</b> V	TITOEXX	TABLE	OBJECT, EXAMINE SURFACE	E C	_		
NA,J	U	MAA	MITEANY	IIIOEAA	14000	NAKED EYE STARTS-WITH OBJECT				
						EXAMINATION INCLUDES—ALL MOTION EXAMINE THE OBJE ENDS—WITH DETERMINA CONDITIONS—APPLIES EVALUATION NOT F CONSIDERATION WI AND EYE TRAVEL.	ECT ATIO ONL REQU	FOR SURF IN OF SURF Y TO YES JIRING PR WOULD L	ACE CONDI FACE COND /NO TYPE OLONGED M IMIT OUT	TION ITION Ental Eye Focus
						LAY ASIDE OBJECT			IMENSION	
								/4X1/4X1/ 1X1X1	3x3x3	5×5×5
						TYPE OF OBJECT	A	4 15	8 47	C 63
						FLAT,1 SIDE FLAT,2 SIDES	8	38	70	117
						CUBE.6 SIDES	č	82	178	258
						CUBE.HOLLOW.	Ď	106	210	298
						l CAVITY CUBE, HOLLOW,	E	130	242	338
						2 CAVITIES	_		242	338
						CYLINDER, HOLLOW		130 109	242 114	152
				÷		CYLINDER, SOLID CYLINDER, CORED,		141	140	182
						1 CAVITY	••	• • •		
						CYLINDER, CURED.	J	165	170	214
- '						2 CAVITIES		OB 1567 B	IMENS ION	/ TUCHES 1
	•					·		5X5X5- 7X7X7		•
						TYPE OF DBJECT		D	E	
						FLAT, 1 SIDE	A	79	95	
						FLAT.2 SIDES	В	149	181	
						CUBE.6 SIDES	C	342	466	
:						CUBE, HOLLOW,	D	392	516	
						CUBE, HOLLOM, 2 CAVITIES	E	442	566	
			*			CYLINDER, HOLLOW		442	566 310	
						CYLINDER, SOLID			218 267	
						CYLINDER, CORED, 1 CAVITY	71	220	201	
						CYLINDER, CORED,	J	250	303	

						·
DATA SOURCE		QUALITY	SOURCE	OWMSTOP ELEMENT		OPERATION/FLEMENT DESCRIPTION
MAA	IJ	MAA	OGNGPXX	TITUGYX	TABLE	PAIR SAN US VIII
,	•	****			imote	GAUGEIPLUG).USE STARTS-WITH REACH TO GAUGE OR GAUGE CONTAINER
						INCLINES-ALL THE MOTIONS NECESSARY TO OPEN
						CONTAINER OR REMOVE PROTECTIVE END CAPS, OBTAIN
						OBJECT TO BE GAUGED OR PLACE GAUGE TO HOLE AND
						GAUGE HOLE-ALSO INCLUDES MOTIONS TO GAUGE
					•	ADDITIONAL HOLE IN SAME OBJECT OR ORTAIN AN
						ADDITIONAL OBJECT-PLACE GAUGE GAUGE MOLE
						ENDS-WITH LAY ASIDE OBJECT AND/OR GAUGE TYPE OF
						GAUGE FIRST GAUGE ADDITIONAL
						GAUGES
						A B
						PROGRESSIVE
						CYLINORICAL GAUGE A 290 95 PLAIN CYLINDRICAL
						CAUCE
						GAUGE B 409 126 MEAR AND PLAIN
						CYLINDRICAL GAUGE
						ACOMP TANANTONIA
						C 453 175
						WEAR GAUGE D 466 196
						WEAR GAUGE D 466 196
FFD	U	MAA	KITHPAA	SITALXX	VARIABLE	AREA, INSPECT WITH LIGHT
		•	•		* ***	STARTS-WITH REACH TO GET LIGHT
						INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND
						TURN ON LIGHT WITH A SLIDE OR BUTTON TYPE
						SWITCH PLACE LIGHT TO EXACT AREA MOVE 1 TOUT
						FOUR TIMES TO INSPECT. TURN OFF AND ASIDE LIGHT
					1.04	ENDOMNIJH ASIDE LIGHT
					184	CASE UL INSPECT FIRST OR DNLY 16-SQUARE INCH
					91	AREA
						Q2 INSPECT EACH ADDITIONAL 16-SQUARE INCH AREA
FFE	U	MAA	GITHCAX	SITMUXX	VARIABLE	MICROMETER (DEPTH) . USE WITH PARALLEL BARS
		•	•			STARTS-WITH REACH TO PARALLEL BARS
						INCLUDES-ALL MOTIONS NECESSARY TO GET BARS.
						PUSITION TO PART.GET DEPTH MICROMETER ADDREST
						TO SURFACE, READ MICROMETER, ASIDE MICROMETER,
						AND ASIDE PARALLEL BARS
						FNDS-WITH RELEASE OF PARALLEL BARS
						CONDITIONS-APPLICABLE TO MICROMETER TO SIX-INCH CAPACITY
		•			635	CASE OL MEASURE FIRST DEPTH
		•			342	02 MEASURE EACH ADDITIONAL DEPTH ON SAME
						PART(INCLUDES REPOSITION PARALLEL
						BARS)
***		***				
FFF	U	MAA	MJPCAXX	MJPAPXX	VARIABLE	APRON, PUT ON AND REMOVE
						STARTS-WITH REACH TO APRON
			•	•		INCLUDES-ALL MOTIONS NECESSARY TO GET APRON
		•	•			AND DRIENT: GET NECK BAND, PLACE ABOUT NECK, AND
						ADJUSTIGET WAIST STRINGS AND SECURE; GET WAIST
						STRINGS AND UNFASTEN; AND REMOVE NECK BAND AND ASIDE APRON
						ENDS-WITH PLACE APRON ASIDE
					* *	CONDITIONS-APRON IS WITHIN EASY REACH
					601	CASE OI APRONOTIE-STRING TYPE FASTENER
					368	OZ APRON, HOOK AND EYE TYPE FASTENER
AE	u	MAM	BTHEAS1	MJP8101		
70	-	ried (	ñ∙u€ÿÿ1	wi.4101	170	BARILOCKINGS, INSTALL AND REMOVE, TOOL CABINET OR SIMILAR
					•	STARTS-WITH REACH TO LOCKING BAR
						INCLUDES-ALL MUTIONS NECESSARY TO GET.REMOVE
						AND ASIDE BARIAND TO GET RAR PROTECTION TO
						BRACKET.AND INSERT IN RRACKET
						ENDS-WITH RELEASE OF BAR
						CONDITION-THIS ELEMENT INCLUDES MOVING BAR 30 INCHES IN AND OUT
	•					- tweues to wan not

				•		•
DATA SOURCE		QUALITY	SOURCE	DUMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
<b>y</b>		MAF	2195	MJPCCXX	VAR (ABLE	CORDIELECTRIC).CUNNECT AND DISCONNECT STARTS-WITH A REACH TO ELECTRIC PLUG INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN AN ELECTRIC PLUG AND INSERT INTO A RECEPTACLE OR EXTENSION CORD, AND TO REMOVE PLUG AND PLACE ON RACK ENDS-WITH RELEASE OF CORD AFTER PLACING UN RACK CASE OI AT WORK BENCH LEVEL-NO STOUPING
		•			224	REQUIRED  O2 AT BASEBOARD LEVEL-STOOP OR BEND REQUIRED
FFO	u	MåA	KALEA24	MJPCIOI	127	COMPONENTIBAYONET TYPE; INSTALL STARTS-MITH REACH TO GET COMPONENT INCLUDES-ALL THE MOTIONS NECESSARY TO GET COMPONENT AND MOVE TO SOCKET, MOVE COMPONENT TO SPRING, DEPRESS SPRING AND SEAT COMPONENT, ENGAGE PIN IN SLOTS, TURN COMPONENT TO LOCK IN PLACE, RELEASE COMPONENT ENDS-WITH PLUG IN PLACE AND RELEASED COMDITIONS-APPLICABLE TO LAMP, FUSE HOLDER CAP, ETC., WITH BAYONET BASE.
NF		MAF	3385	MJPCOOL	73	COMPARTMENT(TOOL), OPEN OR CLOSE MOUNTED ON TRUCK OR SIMILAR STARTS-WITH REACH TO COMPARTMENT DOOR INCLUDES-ALL MOTIONS NECESSARY TO UNLATCH AND OPEN DOOR OR GET DOOR, CLOSE, AND FASTEN LATCHES ENDS-WITH RELEASE OF DOOR
DL		MAL	SHYD	MJPC002	102	COMPARTMENT(DASH), OPEN AND CLOSE STARTS-WITH A REACH TO THE HANDLE INCLUDES-ALL THE TIME NECESSARY TO OPEN AND CLOSE THE DOOR OF THE DASH CUMPARTMENT OF A VEHICLE ENDS-WITH RELEASE OF HANDLE, DOOR CLOSED
***	u	***	MJPCC01	NJPCPOL	1445	COVERALLS.PUT ON AND REMOVE STARTS-WITH COVERALLS UNDER CONTROL INCLUDES-ALL MOTIONS NECESSARY TO PUT UN AND REMOVE COVERALLS ENDS-WITH COVERALLS IN HAND READY TO BE PLACED ASIDE CONDITION-DOES NOT INCLUDE TIME TO FASTEN OR UNFASTEN
	u	. #44	KALEDS4	MJPÇROL	69	COMPONENT (BAYONET TYPE), REMOVE STARTS-WITH REACH TO COMPONENT INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP COMPONENT AND TWIST TO UNLOCK, DISENGAGE FROM SOCKET AND PLACE ASIDE ENDS-WITH COMPONENT ASIDE CONDITIONS-APPLICABLE TO LAMP, FUSE HOLDER CAP, ETC., WITH BAYONET BASE.
	u	MAF	957	NJPCU01	1186	CORDIELECTRIC EXTENSION).UNCOIL.CONNECT, DISCONNECT AND COIL  STARTS-WITH A STOOP TO COILED CORD INCLUDES-ALL THE MOTIONS NECESSARY TO UNCOIL A 25 FOOT CORD, WALK TO OUTLET, INSERT PLUG IN OUTLET, RETURN TO WORK AREA, TURN AND WALK TO OUTLET WITH PLUG INSERTED, STOOP, REMOVE PLUG, RECOIL CORD, ASIDE COIL TO FLOOR AND STAND AFTER BEND TO PLACE COILED CORD UN FLOUR ENDS-WITH STAND CONDITIONS-WALK 10 PACES TO AND FROM OUTLET TO CONNECT AND DISCUNNECT. UNCOIL AND COIL CORD WHILE WALKING

DATA Source		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	VALUE	OPERATION/FLEMENT DESCRIPTION
FFF	U	MAA	MJPSCXX	NJPDCXX	VARIABLE	DOOR (CABINET), CLOSE AND OPEN, SWING OR SLIDE STARTS-WITH REACH TO DOOR "MANDLE; KEY, OR L'ATCH "" INCLUDES-ALL MOTIONS NECESSARY TO UNLOCK AND/ OR OPEN AND TO CLOSE AND/OR LOCK DOOR ENDS-WITH RELEASE OF DOOR AND ASIDE KEY
					76 302	CASE OF DOOR WITHOUT LATCH OR LOCK 02 DOOR, WITH MOUNTED LOCK-OPEN AND SECURE
					166	LOCK, UPEN AND CLOSE DUOR 03 DOOR, WITH HASP, NOT LOCKED
					414	04 DOUR, WITH HASP AND PADLOCK-OPEN AND CLOSE LOCK, OPEN AND CLOSE DOOR
NF	U	MAF	2159	MJPOČOS	. 276	DOOR(CABINET), CLOSE AND OPEN, UNLOCK AND LOCK STARTS-MITH MOVE KEY TO LOCK INCLUDES-ALL MOTIONS NECESSARY TO UNLOCK, OPEN, CLOSE, AND LOCK CABINET DOOR ENDS-WITH RELEASE OF LOCK
***		***	* 1555***	* .5000		
NAA	U	MAA	MJPDOXX	MJPDC06	150	DOOR(CABINET),CLOSE AND OPEN,SINGLE OR DOUBLE WITH LOCKING HANDLE OR KNOB STARTS-WITH REACH TO DOOR
						INCLUDES-UNLATCH AND OPEN DOOR(S). REACH TO
						DOOR(S),CLOSE AND LATCH ENDS-WITH DOOR(S) CLOSED AND LATCHED
				:		CONDITIONS-APPLIES TO DOOR(S) WITH NON-KEY LOCKING DEVICES IN ONE DOOR
NO	U	DAM	LATL2L	MJPDC07	349	DOOR (CABINET), CLOSE AND OPEN, SECURED WITH PIN
						STARTS-MITH SIMO REACH TO DOOR AND PIN INCLUDES-ALL MOTIONS NECESSARY TO PRESS ON DOOR MITH RIGHT HAND, REMOVE PIN FROM LATCH MITH LEFT HAND, PARTIALLY OPEN LEFT HAND DOOR, PARTIALLY OPEN RIGHT HAND DOOR, RELEASE LEFT HAND DOOR, SIDESTEP TO FULLY OPEN RIGHT HAND DOOR, TURN, GET LEFT HAND DOOR, OPEN LEFT HAND DOOR FULLY, ASIDE PIN TO CABINET SHELF; GET PIN FROM SHELF, REACH TO LEFT HAND DOOR, CLOSE PARTIALLY, GET RIGHT HAND DOOR, CLOSE BOTH DOORS COMPLETELY (SING), AND TNSERT PIN IN LATCH ENDS-MITH SIMO RELEASE OF DOOR AND PIN CONDITIONS-APPLICABLE TO DOUBLE DOOR CABINET THREE TO FIVE FEET MIDE
FFF	U	MAA	MJPSDXX	MJPDOXX	VARIABLE	DRAWER(STORAGE). OPEN AND CLOSE STARTS-WITH GET DRAWER HANDLE, HASP, OR KEY INCLUDES-ALL MOTIONS NECESSARY TO OPEN AND CLOSE STORAGE DRAWER
						ENDS-WITH DRAWER CLOSED AND LOCKED IF NECESSARY
				•		CONDITION—CASE 01-04 APPLY TO DRAWERS WITH UP TO 10 POUNDS ENW RESISTANCE.CASE 05-08 APPLY TO DRAWERS WITH 10-20 POUNDS ENW RESISTANCE
					66	CASE OI UNLOCKED DRAWER WITH NO LATCH
					292 134	02 LOCKED DRAWER WITH MOUNTED LOCK
					137	03 DRAWER WITH HASP (DOES NOT INCLUDE UNLOCK, REMOVE, ATTACH, AND LOCK PADLOCK)
					382	04 DRAWER WITH HASP (INCLUDES UNLOCK,
					76	REMOVE, ATTACH, AND LOCK PADLOCK) 05 UNLOCKED DRAWER WITH NO LATCH
					302	06 LOCKED DRAWER WITH MOUNTED LOCK
		š			144	07 DRAWER WITH HASP (DOES NOT INCLUDE
		•			392	UNLOCK, REMOVE, ATTACH, AND LOCK PADLOCK)  OB DRAWER MITH MASP (INCLUDES UNLOCK, REMOVE, ATTACH, AND LOCK PADLOCK)

DATA SOUNCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
•	u ·	MAA	134640	<b>MJP0007</b>	30	DRAWER(TOOL BOX). OPEN AND CLOSE STARTS-WITH REACH TO DRAWER INCLUDES-ALL THE MOTIONS NECESSARY TO REACH AND GRASP DRAWER, SLIDE DRAWER OPEN, REGRASP DRAWER, CLOSE DRAWER, RELEASE DRAWER FNDS-WITH RELEASE CLOSED DRAWER CONDITIONS-DRAWER OPENED APPROXIMATELY FOUR INCHES. DOES NOT INCLUDE TIME TO REMOVE OBJECT FROM DRAWER.
FFF	U .	MAA	MJPCHO1	NJPEP01	131	EARMUFFS.PUT ON AND REMOVE STARTS-WITH GET EARMUFFS INCLUDES-ALL MOTIONS NECESSARY TO PUT ON AND REMOVE EARMUFFS ENDS-WITH PLACE EARMUFFS ASIDE CONDITION-EARMUFFS ARE WITHIN EASY REACH
<b>F</b> FF	u	MAA	MJPCEXX	njpggxx	VARIABLE  183 190 129	GLASSES, GOGGLES, OR SHIELD, PUT ON AND REMOVE STARTS-WITH GET GOGGLES, GLASSES, OR SHIELD INCLUDES-ALL MOTIONS NECESSARY TO PUT ON AND REMOVE VARIOUS EYE PROTECTIVE DEVICES ENDS-WITH PLACE DEVICE ASIDE CONDITION-DEVICE IS WITHIN EASY REACH CASE OI GOGGLES 02 SAFETY GLASSES (NOT IN CASE) 03 SAFETY SHIELD
OMA	u	MAA	OJP8SO2	NJPGG04	477	GLASSES, REMOVE FROM CASE, PUT ON, REMOVE, AND RETURN TO CASE STARTS-MITH REACH TO CASE INCLUDES-ALL MOTIONS NECESSARY TO GET CASE, OPEN CASE(SPRING TENSION LID), REMOVE GLASSES FROM CASE, CLOSE CASE, ASIDE CASE, UNFOLD GLASSES, PLACE GLASSES ON FACE, REMOVE GLASSES FROM FACE, FOLD GLASSES, GET CASE, OPEN CASE, PUT GLASSES IN CASE, CLOSE CASE, AND ASIDE CASE ENDS-MITH RELEASE OF CASE CONDITIONS-APPLICABLE TO SAFETY EYEGLASSES OR SIMILAR STORED IN CASE MITH SPRING TENSION LID-DOES NOT INCLUDE TIME TO CLEAN GLASSES.
FFE		MAA	STHP42	NJPGRO1	152	GLASS(ILLUMINATED MAGNIFYING), MOVE INTO POSITION AND MOVE ASIDE STARTS-WITH REACH TO MAGNIFYING GLASS INCLUDES-ALL MOTIONS NECESSARY TO MOVE GLASS OVER SURFACE TO BE EXAMINED, TURN ON LIGHT, TURN OFF LIGHT, AND MOVE GLASS ASIDE ENDS-WITH RELEASE OF GLASS CONDITIONS-GLASS IS MOUNTED ON BENCH
FFF	U	HAA	MJPCGXX	MJPGPXX	256 428 320	GLOVES.PUT ON AND REMOVE STARTS-WITH GET GLOVES INCLUDES-ALL MOTIONS NECESSARY TO PUT ON AND REMOVE A PAIR OF GLOVES ENDS-WITH PLACE GLOVES ASIDE CONDITIONS-GLOVES ARE WITHIN EASY REACH CASE OI ASBESTOS OR RUBBER GLOVES, LOOSE FIT 02 RUBBER GLOVES, CLOSE FIT 03 WORK GLOVES, CLOTH, LEATHER, OR SIMILAR
MAA	U	MAA	SPAGROL	MJPGROL	. 230	GUN(SPRAY).REPLACE STARTS-MITH REACH TO GET REPLACEMENT GUN INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP REPLACEMENT GUN, REACH TO AIR HOSE CONNECTOR ATTACHED TO SPRAY GUN HANGING ON HOOK, PUSH AND TURN CONNECTOR TO DISENGAGE FROM GUN, POSITION HOSE CONNECTOR TO OTHER SPRAY GUN, AND TURN AND PUSH CONNECTOR TO LOCK UN GUN. ENDS-WITH REPLACEMENT GUN WITH HOSE CONNECTED IN MAND CONDITIONS-DOES NOT INCLUDE WALKING TO GET REPLACEMENT GUN OR WALKING TO GUN AND HOSE OR

DATA Source		QUALITY	SOURCE	DWMSTDP ELEMENT		UPERATION/ELEMENT DESCRIPTION
AE	u	MAH	BTHEAXX	МЈРНСXX	VARIABLE	MOSE(AIR). CUNNECT OR DISCONNECT STARTS=AS INDICATED IN CASE DESCRIPTION INCLUDES=ALL MOTIONS NECESSARY TO CONNECT OR DISCONNECT AN AIR MOSE WITH PLUG-IN FITTINGS ENDS=CASES OI AND OZ WITH RELEASE OF HOSE CASES O3 AND U4 WITH HOSE IN HAND
					89	CASE O1 GET END OF HOSE AND CONNECT TO WALL OR BENCH OUTLET
					101	02 GET TOOL(END OF HOSE HELD IN HAND) AND
•					99 77	CONNECT HOSE TO TOUL  O3 GET TOUL AND DISCONNECT HOSE  O4 GET END OF HOSE AND DISCONNECT FROM  WALL OUTLET
FFF	U	MAA	MJPCHXX	МЈРНРХХ	VARIABLE	MAT.PUT UN AND REMUVE STARTS-WITH GET HAT INCLUDES-ALL MOTIUNS NECESSARY TO PUT ON AND REMOVE HAT USING BOTH HANDS ENDS-WITH PLACE HAT ASIDE CONDITION-HAT IS WITHIN EASY REACH CASE O1 BUMP HAT(LOUSE FITTING)
4.5					185	02 SKULL HAT(CLOSE FITTING)
AE	U	MAH	BTHEAV1	MJPHW01	557	HOSE(AIR).WIND FOR STORAGE, 25 FEET LONG STARTS-WITH END OF HOSE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO FORM EIGHT COILS MITH HOSE ENDS-WITH COILED HOSE IN HAND
AF	U	OBW	11467	MJPIA01	224	INDICATOR(DIAL), ASSEMBLE TO MAGNETIC BASE STARTS-WITH A REACH TO MAGNETIC BASE INCLUDES-ALL THE MUTIONS NECESSARY TO GET BASE AND INDICATOR, MOVE TOGETHER, POSITION INDICATOR TO BASE AND ASSEMBLE, GET ALLEN WRENCH, TIGHTEN SET SCREW, ASIDE WRENCH, ASIDE ASSEMBLY TO BENCH ENDS-WITH RELEASE OF ASSEMBLY
AF	U	OBW	11864	MJPIA02	373	INDICATOR (DIAL., ASSEMBLE TO HEIGHT GAUGE STARTS-MITH REACH TO INDICATOR BOX INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN THE INDICATUR BOX, REMOVE INDICATOR, PUT ON BENCH, GET SHAFT, PUT SHAFT ON BENCH, CLOSE INDICATOR BOX AND ASIDE, MOVE INDICATOR TO SHAFT, INSERT SHAFT INTO INDICATOR, TIGHTEN CLAMPS, MOVE INDICATOR TO HEIGHT GAUGE AND CLAMP, MOVE HANDS ASIDE ENDS-WITH RELEASE OF ASSEMBLY
AF	U	OSW	11868	MJP I DO1	179	INDICATORIDIAL! DISASSEMBLE FROM MAGNETIC BASE STARTS-WITH REACH TO GET ASSEMBLY INCLUDES-ALL THE MOTIONS NECESSARY TO USE AN ALLEN WRENCH TO LOOSEN SET SCREW IN BASE, ASIDE WRENCH, BASE AND INDICATOR ENDS-WITH RELEASE OF BASE
AF	U	OBW .	11865	MJP1002	282	INDICATOR(DIAL), DISASSEMBLE FROM HEIGHT GAUGE STARTS-WITH REACH TO HEIGHT GAUGE CLAMP INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE THE INDICATOR AND SHAFT FROM THE HEIGHT GAUGE, REMOVE THE SHAFT FROM THE INDICATOR, GET INDICATOR BOX, PLACE INDICATOR AND SHAFT IN BOX, CLOSE AND ASIDE BOX ENDS-WITH RELEASE OF BOX
FFF	IJ	MAA I	1JPCJ01	MJPJP01	324	JACKET, PUT DN AND REMOVE STARTS-WITH JACKET UNDER CONTROL INCLUDES-ALL MOTIONS NECESSARY TO PUT ON AND REMOVE A JACKET, COAT, DR SMOCK WITH FRONT OPENING ENDS-WITH JACKET IN HAND READY TO PLACE ASIDE CONDITION-DOES NOT INCLUDE TIME FOR FASTEN AND UNFASTEN

DATA SOURCE		QUALITY	SOURCE	OWMSTDP ELEMENT	YALUE	OPERATION/ELEMENT DESCRIPTION
NF	U	MAF	231	MJPLMO1	211 -	LADDER, MOVE TO NEW LOCATION STARTS—MITH REACH TO LADDER INCLUDES—ALL MOTIONS NECESSARY TO GET LADDER, TILT FORWARD, LIFT, MOVE TO NEW LUCATION WITH ONE SIDESTEP, SET LADDER DOWN, AND ADJUST POSITION ENDS—MITH RELEASE OF LADDER CONDITION—APPLICABLE TO LADDERS WEIGHING TO 60 POUNDS.FOR RELOCATING GREATER DISTANCES, ALLOW APPROPRIATE FREQUENCIES OF BBM—HC—01
MAA	U	MAA	SCLSJM1	NJPNP01	204	MASK(FACE), PUT ON AND REMOVE, AIR FILTERING, DISPOSABLE TYPE MASK STARTS-WITH MASK IN HANDS INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE MASK TO FACE WITH ONE HAND AND MOVE RUBBER BAND OVER HEAD WITH OTHER HAND, POSITION MASK TO MOUTH AND NOSE, FORM NOSE SPRING TO FIT, GET SIDES OF MASK AND POSITION, RELEASE MASK, REACH TO RUBBER BAND AND REMOVE MASK ENDS-MITH MASK IN HAND
FFE	U	MAA	GIDSCAL	н <b>ј</b> ррсхх	295 134	PAPER(STENCIL), CUT ON PAPER CUTTER STARTS-MITH REACH TO SHEET OF STENCIL PAPER INCLUDES-ALL MOTIONS NECESSARY TO GET SHEET OF PAPER, PLACE ON TABLE RAISE KNIFE BLADE, POSITION PAPER, LOWER KNIFE AND CUT PAPER, MOVE SHEET TO STORAGE, AND ASIDE SCRAP ENDS-WITH PAPER FOR STENCIL IN HAND CONDITIONS-TIME INCLUDED TO CUT STENCIL FROM BULK SHEET TO 180 SQUARE INCHES CASE OI FIRST CUT 02 REPOSITION PAPER AND MAKE ADDITIONAL CUT
FFE	U	MAA	GPLPA03	MJPPIOL	112	PLUG,INSERT IN AND REMOVE FROM RECEPTACLE STARTS-WITH GET PLUG INCLUDES-ALL MOTIONS NECESSARY TO INSERT PLUG IN RECEPTACLE, TURN PLUG TO LOCK; GET PLUG TO REMOVE, TURN PLUG, AND REMOVE FROM RECEPTACLE ENDS-WITH ASIDE PLUG CONDITIONS-APPLICABLE TO ELECTRICAL PLUGS OR SIMILAR WHICH REQUIRE A TURN TO LOCK IN RECEPTACLE
FFF	u	MAA	NJPCPOL	MJPPPO1	685	PLUG.PUT IN AND REMOVE FROM EAR STARTS-WITH EARPLUG CONTAINER IN HAND INCLUDES-OPEN SCREW TYPE CONTAINER, REMOVE EARPLUG AND PLACE IN EARS, CLOSE CONTAINER, REMOVE PLUGS FROM EARS, OPEN CONTAINER, PLUGS IN CONTAINER, AND CLOSE CONTAINER ENDS-WITH CONTAINER IN HAND READY TO BE PLACED ASIDE CONDITION-GET AND ASIDE EARPLUG CONTAINER NUT INCLUDED
RF	U	MAF	3673	MJPRGOL	137	RAG.GET FRUM COVERED CAN STARTS-WITH BEND TO CAN INCLUDES-ALL MOTIONS NECESSARY TO OPEN CAN.GET RAG OR SIMILAR OBJECT FROM CAN.AND REPLACE LID ENDS-WITH ARISE FROM BEND CONDITION-LID DOES NOT BIND.LID IS OPENED BY HAND.ALSO APPLIES TO OBTAINING A SOILED RAG AND DEPOSITING IT IN COVERED CAN
DL	U	MAL	BEST	MJPSA01	219	STENCIL, AFFIX ON ROLL STAMP, TEST AND REMOVE STARTS-WITH A REACH TO THE PRE-PRINTED STENCIL INCLUDES-ALL THE TIME NECESSARY TO ATTACH A PRE-PRINTED STENCIL TO A ROLL-STAMP, TEST STAMP ON A PIECE OF PAPER, REMOVE THE STENCIL AND MIPE THE STENCIL WITH A CLOTH ENDS-WITH CLOTH AND STAMP ASIDE AND STENCIL IN HAND

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT		OPERATION/ELEMENT DESCRIPTION
MF	U	MAF	3826	MJPS001	772	STEPLADDER, OBTAIN FROM FLOOR, SET UP, TAKE DOWN, AND ASIDE TO FLOOR, LADDER TO 12 FEET TALL STARTS—STOOP TO PICK UP STEPLADDER INCLUDES—ALL MOTIONS NECESSARY TO GET STEPLADDER TO UPRIGHT POSITION, SPREAD AND LOCK LEGS, AND LOWER SHELF (SET UP); RAISE PAINT SHELF, UNLOCK BRACES, CLOSE LEGS, AND LOWER STEPLADDER TO FLOOR ENDS—MITH ARISE FROM BEND AFTER RELEASE OF STEPLADDER CONDITION—LADDER AT WORK PLACE PRIOR TO SET—UP AND AFTER TAKE—DOWN. FOR LADDERS WEIGHING UP TO 20 POUNDS
FFE	U	MAA	GJPURA6		879	SMOCK(TIE TYPE).PUT ON AND REMOVE STARTS-WITH SMOCK IN HAND INCLUDES ALL THE MOTIONS NECESSARY TO PUT ON AND TAKE OFF A TIE TYPE.WRAP AROUND SMOCK ENDS-WITH SMOCK OFF READY TO BE PLACED ASIDE CONDITIONS-FOR USE IN CLEAN ROOM OPERATIONS INCLUDES FASTEN AND UNFASTEN
FFE	U	MAA	GTLHTAZ	MJPTGXX	VARIABLE	TOOL.GET FROM AND RETURN TO TOOL DRAWER STARTS-WITH REACH TO DRAWER INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN TOOL DRAWER, REMOVE TOOL.CLOSE DRAWER, ASIDE TOOL.GET TOOL, OPEN DRAWER, REPLACE TOOL AND CLOSE DRAWER ENDS-WITH TOOL IN DRAWER
					198 97	CASE 01 FIRST TOOL 02 EACH ADDITIONAL TOOL
FFF	U	MAA	MJPSBXX	MJPTOXX	VARIABLE 273 499	TOOLBOX(MACHINIST), OPEN AND CLOSE STARTS—WITH GET LATCH OR KEY INCLUDES—ALL MOTIONS NECESSARY TO OPEN CAM TYPE LATCH, OPEN TOP LID, REMOVE FRONT COVER AND PLACE UNDER BOX, GET FRONT COVER, POSITION ON BOX, CLOSE LID, AND CLOSE LATCH, CASE 02 ALSO INCLUDES GET KEY, OPEN LOCK, AND CLOSE LOCK ENDS—WITH BOX CLOSED (CASE 01)OR ASIDE KEY (CASE 02) CASE 01 OPEN AND CLOSE UNLOCKED MACHINIST TOOLBOX 02 OPEN AND CLOSE LOCKED MACHINIST TOOLBOX
FFF	u	MAA I	HJPSB07	MJPT003	195	TOOLBOX.OPEN AND CLOSE, STORAGE TYPE 2.5X5X1.5 FEET STARTS-WITH REACH TO HASP INCLUDES-GET AND LIFT HASP.OPEN LID APPROXIMATELY 90 DEGREES, GET LID AND HASP, AND CLOSE LID ENDS-WITH LID CLOSED AND LATCHED CONDITION-DOES NOT INCLUDE TIME FOR OPENING OR REMOVING PADLOCK
AF -	U	MAA 1	3AR AO	MJPT004	. 70	TOOLBOX, OPEN AND CLOSE LID STARTS—WITH SIMO REACH TO LID AND LATCH INCLUDES—ALL THE MOTIONS NECESSARY TO GRASP BOX AND LATCH, OPEN LATCH, RAISE LID, RELEASE BOX AND LID, REACH TO BOX LID, CLOSE LID AND RELEASE ENDS—WITH RELEASE CLOSED LID CONDITIONS—APPLICABLE TO TOOLBOX OR INSTRUMENT CASE APPROXIMATELY EIGHT INCHES MIDE MITH SINGLE LATCH. DOES NOT INCLUDE ACTIONS TO LATCH AFTER CLOSING.

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AE	U	MAW	STHEAQ1	TOUTPLM	158	TOULBOX, UNLOCK, OPEN, CLOSE, AND LOCK STARTS-WITH KEY IN MAND AT LOCK INCLUDES-ALL MOTIONS NECESSARY TO UNLOCK TOOLBUX, GET MASP, OPEN LID, RELEASE MASP, GET TOP, CLOSE TOP, MOVE MASP TO LOCK POSITION, REACH TO KEY IN LOCK AND TURN KEY TO LOCK ENDS-WITH REMOVAL OF KEY FROM LUCK
MO	U	MAO	LDPC-1S	MJPWA01	167	WIRE,ATTACH TO HOUK,SINGLE STRAND WIRE STARTS-WITH WIRE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE AND POSITION WIRE TO HOOK WITH LEFT HAND,REACH (SIND)WITH RIGHT HAND AND GRASP WIRE AT HOOK, WRAP WIRE AROUND HOOK(TWO TIMES),RELEASE WIRE AND GRASP END,TWIST END OF WIRE AROUND ITSELF AND RELEASE(LEFT HAND HOLDS HOOK UNTIL WIRE IS WRAPPED AND TWISTED) ENDS-WITH RELEASE WIRE AND HOOK
NO	V	· MAO	LDPC-1T	SOAWQLM	110	WIRE,ATTACH TO PART STARTS-WITH REACH TO GET PART(LEFT HAND) INCLUDES-ALL THE MOTIONS NECESSARY TO GET PART WITH LEFT HAND AND THEN GET WIRE WITH RIGHT HAND,MOVE PART TO WIRE,WRAP WIRE ONE TIME AROUND PART,TWIST PART 180 DEGREES TO SECURE WIRE,RELEASE PART AND WIRE ENDS-WITH RELEASE PART AND WIRE CONDITIONS-SMALL PART-TO 2.5 POUNDS
<b>NO</b>	U .	HAO	LDPC-1V	EOAWQLM	83	WIRE, ATTACH TO LARGE PART STARTS-WITH LEFT HAND HULDING PART ON WURK SURFACE-WIRE HELD IN KIGHT HAND INCLUDES-ALL THE MUTIONS NECESSARY TO MOVE AND POSITION WIRE TO PART, MOVE WIRE INTO UR AROUND PART WITH RIGHT HAND, RELEASE PART WITH LEFT HAND AND GRASP WIRE, PULL WIRE THROUGH OR AROUND PART, GRASP WIRE END IN RIGHT HAND (OTHER END IN LEFT HAND), PULL TWO ENDS TOGETHER, GRASP BOTH ENDS IN LEFT HAND, RELEASE WITH RIGHT HAND ENDS-WITH BOTH WIRES HELD BY LEFT HAND
FFD	U	TBA	GECCHOX	SJPCAXX	VARIABLE	CREAM(HAND). APPLY STARTS—MITH REACH TO CONTAINER OF CREAM INCLUDES—ALL THE HOTIONS NECESSARY TO GET CREAM, REMOVE CAP OR LID. ASIDE CAP OR LID. SQUEEZE CREAM FROM TUBE OR GET FROM JAR, MOVE HANDS TOGETHER TO RUB IN CREAM, GET JAR OR TUBE, REPLACE LID OR CAP, ASIDE CONTAINER ENDS—MITH ASIDE CONTAINERITUBE OR JAR) CASE 01 CREAM IN TUBE  OZ CREAM IN JAR
FFE	U	MAA	KJPSCXX	SJPCR01	532 261	CABLE, REMOVE FROM AND RETURN TO CASE, CABLE ROLLED AND STOMED IN CASE STARTS—MITH GET CABLE FROM CASE INCLUDES—ALL MOTIONS NECESSARY TO LIFT ROLLED CABLE FROM CASE, ASIDE CABLE; GET END OF CABLE, ROLL CABLE, AND PLACE IN CASE ENDS—WITH RELEASE OF CABLE CONDITION—CABLE LIES FLAT IN CASE WITH NO FASTENERS, CABLE IS TEN FEET LONG, NO TIME INCLUDED FOR OPENING AND CLOSING CASE

DATA SOURCE	OCCUP- AT ION	QUALITY	SOURCE	DWMSTDP ELEGENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE		MAA	KJPSCXX	SJPCR02	1218	CABLE, REMUVE FROM AND RETURN TO CASE, CABLE WOUND ON RACK IN LID STARTS—WITH GET CABLE END INCLUDES—ALL MOTIONS NECESSARY TO REMOVE END OF CABLE FROM CLIP, UNWIND CABLE FROM RACK, LOOP CABLE LOOSELY OVER HAND, ASIDE CABLE, GET CABLE, UNTANGLE CABLE, ATTACH CLIP TO CABLE, AND WIND CABLE ON RACK IN LID ENDS—WITH RELEASE CABLE CONDITIONS—CABLE IS TEN FEET LONG, NO TIME INCLUDED FOR OPENING AND CLOSING CASE
FFE		MAA	RLGJPG1	SJPGF01	2032	GUN(HAND OPERATED GREASE), FILL STARTS-WITH REACH TO GET GREASE GUN INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND UNSCREW BARREL FROM GUN, ASIDE HEAD, GRASP AND PULL PLUNGER OUT TO LIMIT, PLACE BARREL ON BENCH, REMOVE AND ASIDE GREASE GAN LID, GET GUN BARREL AND PLACE END IN GREASE, TWIST AROUND IN GREASE, REMOVE FROM GREASE, HOLD GREASE CAN ON BENCH, BOUNCE GUN ON BENCH TO SETTLE GREASE, PUT END OF BARREL BACK IN GREASE, TWIST AROUND IN GREASE, PULL BARREL FROM GREASE, GET CLOTH AND WIPE OFF OUTSIDE OF BARREL, ASIDE CLOTH TO TRASH, GET GUN HEAD AND SCREW ONTO BARREL, RE- LEASE SPRING PLUNGER, PUMP LEVER TO PRIME GUN, ASIDE GUN, CLOSE GREASE CAN(PRY OPEN TYPE) ENDS-MITH GUN FILLED AND ASIDE, GREASE CAN CLOSED CONDITIONS-REMOVE HEAD FROM GUN BARREL, 10-15 THREADS, UNOBSTRUCTED, CLEAR
FFE	J	HUA	GJPPAAL	SJPGPO1	3452	GUN(PAINT SPRAY), PREPARE FOR USE STARTS-WITH GET SPRAY GUN INCLUDES-ALL MOTIONS NECESSARY TO REMOVE GUN FROM POT, ASIDE GUN AND POT, TURN TO PAINT CABINET, OPEN CABINET DOOR (UNLOCKED AND UNLATCHED), LOCATE PAINT IN CABINET, GET CAN OF PAINT, CLOSE CABINET DOOR, TURN TO WORK AREA, OPEN PAINT CAN WITH PRY TOOL, POUR ONE QUART OF PAINT IN POT, CLOSE PAINT CAN, TAP LID WITH HAMMER TO SEAL, TURN TO PAINT CABINET, OPEN CABINET DOOR, ASIDE PAINT, CLOSE CABINET DOOR, TURN TO WORK AREA, MOVE PAINT POT TO THINNER CONTAINER, OPEN SPIGOT, POUR THINNER, CLOSE SPIGOT, SET POT ON BENCH, STIR PAINT MITH PADDLE, WIPE PADDLE WITH CLOTH, INSTALL GUN ON POT, AND ATTACH AND REMOVE AIR HOSE AT SPRAY BOOTH ENDS-WITH PREPARATION COMPLETED CONDITIONS-WALKING TIMES NOT INCLUDED, CAN OF PAINT WEIGHS TO 20 POUNDS
FFH	U	MAA I	(JPKN01	SJPK001	136	KNIFE(POCKET), OPEN AND CLOSE STARTS—WITH REACH TO KNIFE INCLUDES—ALL THE MOTIONS NECESSARY TO PICK UP POCKET KNIFE, POSITION FINGERNAIL IN BLADE SLOT AND OPEN BLADE, REGRASP KNIFE, PUSH BLADE CLOSED AND ASIDE KNIFE ENDS—MITH ASIDE KNIFE COMDITIONS—APPLIES TO COMMON POCKET KNIFE WITHOUT BLADE LOCK OR CATCH

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP FLEMENT	YALUE	OPERATION/ELEMENT DESCRIPTION
FFE	U	AAA	KITSUAA	SJPHS01	1659	MICRUMETER(INSIDE), SET UP WITH TWO EXTENSIONS STARTS—MITH REACH TO MICROMETER CASE INCLUDES—ALL MOTIONS NECESSARY TO GET CASE, OPEN(HASP TYPE FASTENER), GET MICROMETER FROM CASE, REMOVE CAPS FROM EACH END OF MICROMETER, PLACE CAPS IN CASE, IDENTIFY AND GET FIRST EXTENSION, PLACE EXTENSION IN MICROMETER, SECURE WITH CAP, IDENTIFY AND GET SECOND EXTENSION, INSTALL EXTENSION IN MICROMETER, CLOSE AND ASIDE CASE; GET AND OPEN CASE, DISASSEMBLE MICROMETER, PLACE EXTENSIONS AND MICROMETER IN CASE, AND CLOSE AND ASIDE CASE ENDS—WITH RELEASE OF CASE CONDITIONS—APPLICABLE TO INSIDE MICROMETER WITH SEPARATE EXTENSIONS FOR LENGTH ADJUSTMENT
FFE	U	MAA .	GJPATAX	SJPPMXX	VARIABLE 689 484	PLATE, MASK EDGES WITH TAPE PRIOR TO PAINTING STARTS—MITH REACH TO GET MASKING TAPE INCLUDES—ALL THE MOTIONS NECESSARY TO GET ROLL OF TAPE, TEAR OFF TWO PIECES, APPLY ALONG EDGE OF PLATE, TRIM WITH KNIFE, ASIDE ROLL, KNIFE AND TRIMMINGS ENDS—WITH ASIDE TRIMMINGS CASE O1 MASK PLATE 2 1/4 X 1 1/2 INCHES O2 MASK PLATE 2 1/4 X 7/8 INCHES
FFE	<b>U</b> .	<b>MAA</b>	KALSAlO	SJPSCOL	994	STRAIGHTEDGE, CLAMP TO PART WITH THREE C=CLAMPS STARTS=WITH GET STRAIGHTEDGE TO 60 INCHES LUNG INCLUDES=ALL MOTIONS NECESSARY TO PLACE STRAIGHTEDGE ON PART, ALIGN, GET THREE CLAMPS AND PLACE NEAR STRAIGHTEDGE, INSTALL FIRST C=CLAMP, TURN, WALK TO OTHER END OF STRAIGHT= EDGE, INSTALL SECOND C=CLAMP, TURN, WALK TO MIDDLE, AND INSTALL THIRD CLAMP ENDS=WITH RETURN TO END OF STRAIGHTEDGE
DFF	<b>U</b> .	MAA .	GTLTPA1	SJPTAXX	VARIABLE 627 615	TORCHIPORTABLE PROPANE), ASSEMBLE/DISASSEMBLE STARTS-WITH REACH TO TURCH CASE INCLUDES-ALL THE MOTIONS NECESSARY TO GET TORCH CASE, OPEN CASE, REMOVE PROPANE BOTTLE AND BURNER ASSEMBLY FROM CASE, ASSEMBLE BURNER AND BOTTLE, TIGHTEN BY HAND, ASIDE TURCH TO COUL AFTER USE, GET TORCH, LOUSEN BURNER ASSEMBLY FROM BOTTLE BY HAND, REMOVE BURNER FRUM BOTTLE, PLACE BURNER ASSEMBLY AND BOTTLE IN CASE, CLOSE AND LATCH CASE, GET AND PLACE CASE ASIDE ENDS-WITH CASE ASIDE CASE JI ASSEMBLE AND DISASSEMBLE PROPANE TORCH OZ CHANGE TIP ON BURNER
NF	<b>U</b>	MAF	333	BLOLDOI	43	LINE, DRAW USING SQUARE STARTS-WITH MARKING INSTRUMENT IN HAND WITHIN FOUR INCHES OF SQUARE INCLUDES-ALL MOTIONS NECESSARY TO POSITION MARKING INSTRUMENT TO SQUARE AND SURFACE AND DRAW A LINE TO 12 INCHES LONG ENDS-WITH MARKING INSTRUMENT IN CONTACT WITH SURFACE
NF	u ·	MAF	965	BLQLSXX	VARIABLE  63 87	LINE, SCRIBE, TO SCALE OR STRAIGHTEDGE STARTS—WITH MOVE SCRIBER TO START POINT INCLUDES—ALL THE MOTIONS NECESSARY TO MOVE SCRIBER TO START, DRAW LINE, CHECK LINE AND REMOVE SCRIBER FROM LINE ENDS—WITH SCRIBER IN HAND AWAY FRUM LINE CASE OI SCRIBE 6 INCH LINE OZ SCRIBE 18 INCH LINE

DATA	OCCUP-	QUALITY	SOURCE	DWMSTDP	TMU	OPERATION/ELEMENT DESCRIPTION
SOURCE	ATION		CODE	ELEMENT	VALUE	O CHAILON ECCHEN: DESCRIPTION
<b>NF</b>	U	MAF	1057	BLOPNOL	<b>50</b>	POINT, MARK STARTS-MITH MARKING INSTRUMENT IN HAND INCLUDES-ALL MOTIONS NECESSARY TO MOVE MARKING INSTRUMENT TO LOCATION, MARK POINT, AND MOVE AWAY ENDS-MITH MARKING INSTRUMENT IN HAND CONDITION-TIME FOR POSITIONING MEASURING INSTRUMENT NOT INCLUDED
NF	U	MAF	1022	BLOSA01	189	STRAIGHTEDGE, ALIGN, TO POINTS OR LINE STARTS—WITH STRAIGHTEDGE IN MAND INCLUDES—ALL MOTIONS NECESSARY TO LAY STRAIGHTEDGE ON SURFACE, AND POSITION TO TWO POINTS OR TO A LINE ENDS—MITH STRAIGHTEDGE HELD IN POSITION
NAS	U	MAA	OLOLIXX	HLOLSXX	VARIABLE 213	LINE.SCRIBE TO SCALE(STRAIGHTEDGE)  STARTS-MITH REACH TO GET SCRIBE AND STRAIGHT- EDGE INCLUDES-ALL THE MOTIONS NECESSARY TO GET STRAIGHTEDGE AND MARKER, POSITION STRAIGHTEDGE TO INDEX POINT AND SECOND POINT, ADJUST TO BOTH POINTS AND DRAW OR SCRIBE LINE THROUGH POINTS OR FROM POINT TO POINT, LAY ASIDE MARKER AND STRAIGHTEDGE ENDS-MITH ASIDE MARKER AND STRAIGHTEDGE CONDITIONS-APPLIES TO 6 OR 12-INCH SCALE OR 24-INCH RULE OR EQUIVALENT STRAIGHTEDGE, USING PENCIL, SCRIBE, AWL OR SIMILAR MARKING DEVICE ON SURFACES WHICH ARE CURVED OR SEMI-CURVED PLANES, POSITIONED EITHER VERTICALLY, HORIZON- TALLY OR OVERHEAD.CONTROL POINTS ARE PRE- EXISTING SURFACE INDEX POINTS OR THE GRADUA- TIONS ON SCALE, RULE OR STRAIGHTEDGE.TIMES ARE FOR PENCIL MARKINGS WITH NO PRESSURE; ADD U BEL-AP-OL(16 TMUS) WHEN USING SCRIBE OR
				•	148	CASE OI RANDOM LENGTH LINE TO SIX INCHES ON SIX-INCH SCALE OR EQUIVALENT STRAIGHTEDGE-FIRST OR ONLY
					270	02 EACH ADDITIONAL RANDOM LENGTH LINE UP TO SIX INCHES 03 RANDOM LENGTH LINE TO 12 INCHES ON 12=
					184	STRAIGHTEDGE-FIRST OR ONLY
					320	04 EACH ADDITIONAL RANDOM LENTGH LINE TO 12 INCHES 05 RANDOM LENGTH LINE TO 24 INCHES ON 24-
					234	FIRST OR ONLY
					267	06 EACH ADDITIONAL RANDOM LENGTH LINE TO 24 INCHES 07 CONTROLLED LENGTH LINE BETWEEN POINTS
					176	OR ONLY
					299	OB EACH ADDITIONAL CONTROLLED LENGTH LINE TO SIX INCHES OP CONTROLLED LENGTH LINE BETWEEN POINTS
						TO 12 INCHES ON 12-INCH SCALE-FIRST OR ONLY
				•	213	10 EACH ADDITIONAL CONTROLLED LENGTH LINE TO 12 INCHES
					397	11 CONTROLLED LENGTH LINE BETWEEN POINTS TO 24 INCHES ON 24-INCH SCALE-FIRST OR
					312	ONLY 12 EACH ADDITIONAL CONTROLLED LENGTH LINE TO 24 INCHES

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
ffE	U	AAN	KPMESOL	MLOLS13	125	LINE.SCRIBE.EXACT POSITION.METAL SURFACE STARTS-WITH REACH TO GET SCRIBE INCLUDES-ALL THE MOTIONS NECESSARY TO GET SCRIBE.POSITION TO EXACT LOCATION AND MOVE TO MAKE 1/4 INCH MARK IN METAL SURFACE.ASIDE SCRIBE ENDS-WITH ASIDE SCRIBE
DL.	U	MAF	DPO1	MLOPMO1	186	POINT, MARK WITH PENCIL STARTS-WITH REACH TO PENCIL IN POCKET INCLUDES-ALL THE MOTIONS NECESSARY TO GET PENCIL FROM POCKET, MARK MEASURED POINT AND RETURN PENCIL TO POCKET ENDS-WITH RELEASE OF PENCIL IN POCKET
NAA	U	MAA	OFOWNXX	SLODMXX	TABLE	DIMENSION, MEASURE AND MARK STARTS-WITH REACH TO GET MEASURING AND MARKING DEVICES INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE DEVICES, POSITION MEASURING DEVICE TO INDEX POINT, POSITION DEVICE TO SECOND POINT, ADJUST TO BOTH POINTS, READ DIMENSION, POSITION MARKING DEVICE TO SURFACE, ASIDE DEVICES ENDS-WITH ASIDE MEASURING AND MARKING DEVICES CONDITIONS-APPLIES TO 6-12 INCH SCALE, 12-24 INCH RULE, 6-10 FOOT STELL TAPE WITH PENCIL, SCRIBE, AML OR EQUIVALENT MARKING DEVICE; FLAT OR SEMI-CURVED GEOMETRIC PLANES; OVERHEAD, VERTICAL OR HORIZONTAL WITH DIMENSIONS AND MARKS LIMITED TO WITHIN 36 INCHES OF ANY INITIAL INDEX POINT, TIME IS TO MARK WITH PENCIL, NO PRESSURE. IF SCRIBE OR AWL IS USED ADD TIME FOR ELEMENT U BEL-AP-OI(TWO TIMES-16 TMUS X 2-32 TMUS). LOOSE-POSITION DEVICE TO WITHIN 1/16 INCH OF REFERENCE POINTS, READ TO NEAREST 1/4 INCH, MARK TO WITHIN 1/16 INCH OF SCALE GRADUATION. CLOSE- POSITION DEVICE TO WITHIN 1/32 INCH OF REFER- ERENCE POINTS, READ TO NEAREST 1/16 INCH, MARK TO WITHIN 1/32 INCH OF SCALE GRADUATION. EXACT- POSITION DEVICE TO WITHIN 1/64 INCH OF REFER- ENCE POINTS, READ TO NEAREST 1/16 INCH, MARK TO WITHIN 1/32 INCH OF SCALE GRADUATION. EXACT- POSITION DEVICE TO WITHIN 1/64 INCH OF REFER- ENCE POINTS, READ TO NEAREST 1/12 INCH, MARK TO WITHIN 1/32 INCH OF SCALE GRADUATION. EXACT- ENCE POINTS, READ TO NEAREST 1/32 INCH, MARK TO WITHIN 1/64 INCH OF SCALE GRADUATION.
						POSITION  TYPE DEVICE LOOSE CLOSE EXACT A B C  SCALE(6-12 INCH)OR 12-24 INCH RULE
						FIRST MEASUREMENT A 296 358 505
			•			EACH ADDITIONAL B 185 247 354
						STEEL TAPE (6-10
				•		FEET) FIRST MEASUREMENT C 394 456 603
						EACH ADDITIONAL D 207 269 416
NAA	U	, MAA	BLUBLXX	BLUBLXX	VARIABLE	SURFACE(LINEAR), LUBRICATE WITH BRUSH, CLOTH, FINGER, OR STICK STARTS-WITH APPLICATOR IN HAND AND ON OBJECT INCLUDES-ALL MOTIONS NECESSARY TO SPREAD LUBRICANT WITH ONE WIPING MOTION FORWARD AND BACK ENDS-WITH APPLICATOR IN CONTACT WITH SURFACE CASE OI LINEAR LUBRICATION TO 6 INCHES
					21	02 LINEAR LUBRICATION 6-12 INCHES

DATA Source		QUALITY	CODE	DWMSTOP ELEMENT	THU	UPERATION/ELEMENT DESCRIPTION
NAA	<b>.</b>	MAA	BLUBSXX	8 BLUBSXX	VARIABLE	SURFACE(SPOT), LUBRICATE WITH BRUSH, CLOTH, FINGER, OR STICK STARTS-WITH APPLICATUR IN HAND AND ON DBJECT INCLUDES-ALL MUTIONS NECESSARY TO SPREAD LUBRICANT ON A SPOT WITH A WIPING MOTION FORWARD AND BACK ENDS-WITH APPLICATOR IN CONTACT WITH SURFACE CONDITION—SPOT SIZE IS DETERMINED BY
					15	APPLICATOR SIZE CASE OI SPOT LUBRICATION OZ SPOT LUBRICATION, WITH CARE
AE	U	MAW	FTDLUOI	arnoros	56	DIEIOR TAPI-LUBRICATE WITH OIL FROM LEVER OR DIAPHRAGM TYPE CAN STARTS-WITH MUVEMENT OF SPOUT TO LUBRICATION POINT INCLUDES ALL MOTTUMS NEGSCOODS TO DESCRIP
						INCLUDES-ALL MOTIONS NECESSARY TO DEPRESS LEVER OR DIAPHRAGM AND SQUIRT OIL ON DIE OR TAP THREE TIMES ENDS-WITH OIL CAN SPOUT OVER DIE OR TAP
FFH	U	MAA	BLUGBOI	BLUGB01	34	LUBRICANT, APPLY TO FITTING WITH BUTTON TYPE
						STARTS-WITH HAND ON GREASE GUN AND GUN ON FITTING INCLUDES-ALL MUTIONS NECESSARY TO DEPRESS BUTTON AND WAIT WHILE LUBRICANT IS FORCED INTO FITTING BY AIR PRESSURE ENDS-WITH RELEASE OF BUTTON AND WITH GUN ON FITTING CONDITION-APPLIES TO AIR OPERATED GREASE GUN. DOES NOT APPLY TO FILLING A RESERVOIR
FFH	U	MAA	BLUGLOI	BEUGLOI	36	LUBRICANT, APPLY TO FITTING WITH HAND OPERATED LEVER TYPE GUNTPER STROKE)  STARTS-WITH HAND ON LEVER AND GUN ON FITTING INCLUDES-ALL MOTIONS NECESSARY TO MAKE ONE PUMP HOTION AND RETURN LEVER FOR NEXT STROKE ENDS-WITH HAND ON LEVER AND GUN ON FITTING CONDITION-ALSO APPLIES TO LUBRICATION TANKS WHICH HAVE LEVER TYPE PUMPS FOR ONE HANDED USE
FFH		MAA	grnoro I	BLUOLOI	28	LUBRICANT.APPLY WITH OIL CAN(PER LINEAR FUOT) STARTS-MITH MAND ON TRIGGER OR CAN AND WITH SPOUT IN PLACE INCLUDES-DEPRESSING TRIGGER OR DIAPHRAGN AND MOVEMENT OF OIL CAN TO COVER SURFACE TO BE LUBRICATED ENDS-MITH MAND ON CAN AFTER LUBRICATION CONDITION-APPLIES TO TRIGGER OR DIAPHRAGN TYPE OIL CANS
FFH	U	MAA	BLUOSO1	BLU0S01	18	OIL, APPLY TO SPOT WITH TRIGGER TYPE DIL CAN STARTS-WITH SPOUT IN PLACE AND HAND ON TRIGGER INCLUDES-MOVING TRIGGER IN AND OUT TO LUBRICATE SPOT ENDS-WITH HAND ON TRIGGER AFTER LUBRICATION
FFH (	U	HAA	BLUOSO2	BLUOSO2	l5	OIL.APPLY TO SPOT WITH DIAPHRAGM TYPE OIL CAN STARTS-WITH HAND ON DIAPHRAGM AND SPOUT IN PLACE INCLUDES-MOVEMENT OF DIAPHRAGM IN AND OUT TO LUBRICATE ONE SPOT ENDS-WITH HAND ON CAN AFTER LUBRICATION
FFH (	<b>.</b>	MAA (	SLUTAO1	BLUTA01	26	LUBRICANT.APPLY WITH TUBE TO AREA, 1 INCH X 1 INCH STARTS-WITH TUBE IN MAND AND IN PLACE AT BEGINNING POINT OF LUBRICATION INCLUDES-ALL MOTIONS NECESSARY TO SQUEEZE TUBE ONE TIME AND LUBRICATE AREA, 1 INCH X 1 INCH MITH ONE FORWARD AND DNE BACKWARD STROKE MOS-MITH TUBE IN MAND AFTER LUBRICATING

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/E	LEMENT	DESCRIPTION	
FFH	ย	MAA	BLUT SOL	BLUTSOL	20	LUBRICANT, APPLY	WITH TO	UBE TO SPOT,	1/4X1/4
					.,	INCH STARTS-WITH TO TO BE LUBRI INCLUDES-ALL TUBE TO EXT MEASURING 1 ENDS-WITH TUBE CONDITION-APPE DIAMETER NO	ICATED THE MOT TRACT LI L/4X1/4 E IN HAI LTES TO	IONS NECESSAI UBRICANT AND INCH NO AFTER LUB	RY TO SQUEEZE APPLY TO SPOT RICATING
FFD	U	MAA	GEAIN98	SLUALXX	VARIABLE	APPLICATOR TOR ENDS-WITH ASI	EACH TO THE MOT GET LU TO OBJ DE APPL	GET LUBE AP IONS NECESSA BRICANT ON A ECT AND APPL ICATOR	RY TO GET PPLICATOR, MOVE Y, ASIDE APPLICA-
					96	MO	VES1		ART (4-SIX INCH
					124	OZ API	PLY TO	SMALL PART(8	-SIX INCH MOVES)
FFE	U	MAA	RLGGZXX	SLULAXX	TABLE	LUBRICANT, APPLY OPERATED GUN STARTS-WITH R INCLUDES-ALL GREASE GUN FITTING WI FITTING, AN ENDS-WITH ASI CONDITIONS-WE GUN ONLY	EACH TO THE MOT ,SEAT N TH LUBR D ASIDE DE GUN	GET GREASE IONS NECESSA UZZLE ON ZER ICANT, DISENG GUN	GUN RY TO GET EK FITTING,FILL AGE GUN FROM
						STROKES TO	£ 12	ST OR ONLY	EACH ADDITIONAL
						FILL FITTING		ITTING A	FITTING 8
						ı	A	165	111
						2	8	201	147
						3	C	237	183
						4	Đ	273	219
						5	E	309	255
					•	6	F	345	291
FFO	U	MAA	BMHSM01	BMHOSO1	30	OBJECT, START MU STARTS-WITH H INCLUDES-APPL 12 INCHES ENDS-WITH HAN CONDITION-ALS BEING PUSH	IAND(S) Y PRESS ID(S)ON IO APPLI	ON OBJECT TO SURE AND MOVE OBJECT	S BE MOVED
MF	U	MAL	2242	BNHWP01	160	MMFELBARRUM.PIG STARTS-WITH G INCLUDES-ALL GRASP HAND AND ARISE ENDS-WITH ARI CONDITION-ENW	THE MUT THE MUT PLES, ART	HANDLE TIONS NECESS/ ISE; AND BEND, ER RELEASE OF	ARY TO BEND. RELEASE HANDLES
FFD	U	MAA	MMHBW01	MMHQSQ1	42	APPRUXIMAT ENDS-WITH OBJ	REACH TO HANDLES FELY 12 BLCT IN PLICABLE	) HANDLE S,APPLY PRES! INCHES MOTION E TO WHEEL MI	SURE AND MOVE

DATA	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	YALUE	OPERATION/ELEMENT DESCRIPTION
FFD		MAA	BNF8501	BNF 6101	197	BOM.TIE IN STRING ON OBJECT STARTS-MITH STRING WRAPPED ON PACKAGE AND END IN HAND INCLUDES-MAND AND FINGER MOTIONS REQUIRED TO FORM AND SECURE BOW KNOT ENDS-WITH RELEASE OF BOW
FFD	U	MAA	BNFBS02	BNFBUQ1	40	BOM.UNTIE STARTS-WITH REACH TO END OF STRING INCLUDES-ALL MOTIONS NECESSARY TO UNTIE BOW AND SINGLE KNOT ENDS-WITH RELEASE OF STRING
FFF	U	MAA	BNFKDO1	8NFKT01	215	KNOT, TIE, SQUARE, USING TWO ENDS OF STRING STARTS-WITH STRING WRAPPED ON PACKAGE AND ENDS IN HAND INCLUDES-ALL FINGER AND HAND MOTIONS NECESSARY TO FORM AND SECURE SQUARE KNOT ENDS-WITH KNOT PULLED TIGHT, STRING ENDS IN HAND COMDITION-BOTH ENDS OF STRING CUT BEFORE TYING
fff	U	MAA	BNFKS01	BNFKTO2	101	KNOT, TIE, HALF HITCH, USING SINGLE END OF LINE STATIS—WITH STRING WRAPPED ON PACKAGE AND RUNNER IN HAND INCLUDES—ALL HAND AND FINGER MOTIONS NECESSARY TO FORM AND SECURE HALF HITCH KNOT ENDS—WITH KNOT PULLED TIGHT AND STRING IN HAND CONDITION—END OF LINE CUT BEFORE TYING
FFF	IJ	MAA	BNFK SO2	BNFKT03	95	KNOT, TIE. (STRING). SLIP HALF HITCH. USING SINGLE END OF LINE STARTS-WITH STRING WRAPPED ON PACKAGE AND RUNNER IN HAND INCLUDES-ALL HAND AND FINGER MOTIONS NECESSARY TO FORM AND SECURE SLIP HALF HITCH KNOT ENDS-WITH KNOT PULLED TIGHT AND STRING IN HAND CONDITION-END OF LINE CUT BEFORE TYING
FFF	J	MAA	BNFKSÖ3	BNFKT04	70	KNOT, TIE, CLOVE HITCH, USING SINGLE END OF LINE STARTS-WITH STRING WRAPPED ON PACKAGE AND RUNNER IN HAND INCLUDES-ALL HAND AND FINGER MOTIONS NECESSARY TO FORM AND SECURE CLOVE HITCH ENDS-WITH KNOT PULLED TIGHT AND STRING IN HAND CONDITION-END OF STRING CUT BEFORE TYING
FFF		MAA	BNFKS04	BNFKT05	83	KMOT.TIE(STRING).BOWLINE.USING SINGLE END OF LINE STARTS-WITH STRING WRAPPED ON PACKAGE AND RUNNER IN HAND INCLUDES-ALL HAND AND FINGER MOTIONS NECESSARY TO FORM AND SECURE BOWLINE KNOT ENDS-WITH KNOT PULLED TIGHT AND STRING IN HAND CONDITION-END OF STRING CUT BEFORE TYING
AF	U	MAA, (	PM 84 Q	BNFKT06	78	KNOT,TIE(ROPE),MALF HITCH STARTS-WITH ROPE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO TIE A HALF HITCH KNOT ENDS-WITH RELEASE OF KNOT CONDITIONS-APPLICABLE TO RIGGING OR SIMILAR OPERATIONS
NF	U	MAF ;	1608 ·	BNFKT07	147	KNOT,TIE(ROPE),CLOVE HITCH STARTS-MITH ROPE IN MAND INCLUDES-ALL MOTIONS NECESSARY TO TIE CLOVE HITCH,RING,OR COM HITCH KNOT ENDS-MITH RELEASE OF ROPE CONDITION-APPLICABLE TO RIGGING OR SIMILAR OPERATIONS

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	U	MAF	1606	BMFKT08	100	KNOT.TIE(ROPE).BOWLINE STARTS-WITH ROPE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO THE BOWLINE KNOT ENDS-WITH RELEASE OF ROPE COMDITIONS-APPLICABLE TO REGGING OR SIMILAR OPERATIONS
NF	U	MAA	1607	BNFKT09	267	KNOT.TIE(RUPE).BARREL HITCH,TIMBER HITCH,OR STOPPER STARTS-WITH RUPE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO TIE A BARREL HITCH.TIMBER HITCH.OR STOPPER KNOT ENDS-WITH RELEASE OF THE ROPE CONDITION-APPLICABLE TO RIGGING OR SIMILAR OPERATIONS
<b>NF</b> .	U	MAA	1609	BNFKT10	164	KNOT.TIE(ROPE).SQUARE STARTS-WITH ROPE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO TIE A SQUARE KNOT ENDS-WITH RELEASE OF ROPE CONDITION-APPLICABLE TO RIGGING OR SIMILAR OPERATIONS
, DNA	U	HAA	JPAMNEA	MMFEMXX	VARIABLE	EDGE.MASK WITH PAPER TAPE STARTS-WITH ROLL OF TAPE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO PLACE END OF TAPE TO FIRST POINT, UNROLL ONE FOOT UF TAPE, POSITION TAPE TO SURFACE, SMOOTH AND SEAT TAPE WITH HAND, AND TEAR TAPE FROM ROLL ENDS-WITH ROLL OF TAPE IN HAND CASE OI MASK FIRST OR SINGLE FOOT, POSITION
					487 369	TAPE EXACT  D2 MASK EACH ADDITIONAL FOOT, TAPE TORN FROM ROLL AFTER MASKING EACH FOOT, POSITION TAPE EXACT
					344 298	03 MASK EACH ADDITIONAL FOOT, CONTINUOUS TAPING, POSITION TAPE EXACT 04 MASK FIRST OR SINGLE FOOT, POSITIUN TAPE APPROXIMATE
					116	O5 MASK EACH ADDITIONAL FOOT, TAPE TURN FROM ROLL AFTER MASKING EACH FOOT, POSITION TAPE APPROXIMATE  O6 MASK EACH ADDITIONAL FOOT, CONTINUOUS TAPING, POSITION TAPE APPROXIMATE
AE	U	MAW	SECEAXX	MAF FOXX	VARIABLE	FASTENER, OPEN AND CLOSE ON CASE STARTS-WITH REACH TO FASTENER INCLUDES-ALL MOTIONS NECESSARY TO OPEN AND CLOSE FASTENER
					64 71	ENDS-WITH RÉLEASE OF FASTENER Case ol Luggage Type Fastener O2 Bail Type Fastener
FFE	· U	MAA	GPLPA01	MMF I POT	93	PLUGIOR CAP), INSTALL, NON-THREADED PLASTIC STARTS-WITH REACH TO PLUG INCLUDES-ALL MOTIONS NECESSARY TO PUSITION PLUG TO OPENING AND APPLY PRESSURE TO SEAT PLUG ENOS-WITH RELEASE OF PLUG

DATA Source	OCCUP- ATION	QUALITY	SOURCE	DWMSTDP ELEMENT	TMU VALUE	UPERATION/ELEMENT DESCRIPTION
FFE		<b>MAA</b>	GNFSAAX	MNFISXX	VARIABLE	WIRE(SAFETY), INSTALL USING SAFETY WIRE TWISTING PLIERS STARTS-WITH REACH TO SAFETY WIRE TWISTING PLIERS INCLUDES-ALL MOTIONS NECESSARY TO GET PLIERS, GET LENGTH OF SAFETY WIRE FROM ROLL, THREAD WIRE THROUGH ANCHOR POINT, TWIST WIRE WITH TWISTING PLIERS, CUT EXCESS WIRE, AND FOLD END OVER, CASE 02 INCLUDES ONLY THREAD WIRE THROUGH ANCHOR POINT AND TWIST WITH TWISTING PLIERS ENDS-WITH RELEASE OF TWISTING PLIERS CONDITION-APPLICABLE TO SAFETY WIRE TO .0625 INCH DIAMETER
•					903 581	CASE O1 SINGLE OR FIRST ANCHOR POINT O2 EACH ADDITIONAL ANCHOR POINT
<b>F</b> FF	U	AAA	MNFKIOS	MNFK101	311	KEY.INSTALL.WOODRUFF WITH HAMMER AND DRIFT PUNCH STARTS-WITH GET KEY INCLUDES-ALL MOTIONS NECESSARY TO INSTALL WOODRUFF KEY USING HAMMER AND DRIFT PUNCH ENDS-WITH LAY TOOLS ASIDE
FFF		MAA	MNFK 109	MNFKIOZ	87	KEY, INSTALL, STRAIGHT MACHINE, LODSE FIT, NO TOOLS NEEDED STARTS-WITH GET KEY INCLUDES-ALL MOTIONS NECESSARY TO INSTALL KEY IN SLOT WHEN NO TOOLS ARE NEEDED ENDS-WITH RELEASE OF KEY AFTER INSTALLATION
FFF	U	HAA	MNFKIlO	MNFK 103	293	KEY, INSTALL, STRAIGHT MACHINE, TIGHT FIT, USE OF HAMMER AND DRIFT PUNCH REQUIRED STARTS-WITH GET KEY INCLUDES-ALL MOTIONS NECESSARY TO INSTALL TIGHT FITTING KEY USING HAMMER AND DRIFT PUNCH ENDS-WITH PLACE TOOLS ASIDE
FFF	J	MAA	MNFKR07	MNFKRO1	370	KEY, REMOVE, WOODRUFF, WITH HAMMER AND DRIFT PUNCH STARTS-WITH GET TOOLS INCLUDES-ALL MOTIONS NECESSARY TO USE HAMMER AND DRIFT PUNCH TO REMOVE WOODRUFF KEY ENDS-WITH PLACE TOOLS AND KEY ASIDE
FFF	U 	MAA	MNFKROS	MNFKR02	38	KEY.REMOVE.STRAIGHT MACHINE.LOOSE FIT.NO TOOLS REQUIRED STARTS-WITH REACH TO KEY INCLUDES-ALL NOTIONS NECESSARY TO REMOVE LOOSE FITTING KEY FROM SLOT ENDS-WITH PLACE KEY ASIDE
FFF	J	MAA I	MNFKR09	MNFKR03	258	KEY.REMOVE.STRAIGHT MACHINE.HAMMER AND DRIFT PUNCH REQUIRED STARTS-WITH REACH TO TOOL INCLUDES-ALL MOTIONS NECESSARY TO GET TOOLS. DRIVE KEY FROM SEAT.AND PLACE TOOLS AND KEY ASIDE ENDS-WITH RELEASE OF KEY
FFF	U	MAA I	WFKRO1	MNFKR04	286	KEY, REMOVE, TAPERED MACHINE, HAMMER AND PUNCH REQUIRED STARTS-WITH REACH TO TOOLS INCLUDES-ALL MOTIONS NECESSARY TO GET TOOLS, DRIVE KEY FROM SEAT, AND PLACE TOOLS AND KEY ASIDE ENDS-WITH RELEASE OF KEY

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	YALUE	OPERATION/ELEMENT DESCRIPTION
<b>F</b> FF	U	MAA	MMFLCXX	MMFLCXX	VARIABLE	LOCK(LATCH), CLOSE AND LOCK STARTS-WITH REACH TO LOCK OR LATCH INCLUDES-ALL MOTIONS NECESSARY TO CLOSE LOCK OR LATCH
					85	ENDS-WITH RELEASE OF LOCK,LATCH,OR KEY CASE O1 PADLOCK,KEY-OPERATED,ATTACH AND LOCK
					159	OZ PADLOCK, COMBINATION, ATTACH AND LOCK
					49	03 MOUNTED LOCK, 0-90 DEGREE KEY TURN
•					17	04 MOUNTED LOCK 90-360 DEGREE KEY TURN
				*	109 91	O5 MUUNTED LOCK, COMBINATION TYPE O6 SUITCASE TYPE LATCH
					46	OT HOOK AND EYE TYPE LATCH
FFF	u	·MAA	MNFLOXX	MNFLOXX	VARIABLE	LOCK(LATCH).OPEN AND MOVE ASIDE
•••	•					STARTS-WITH REACH TO LOCK OR LATCH
						INCLUDES—ALL MUTIONS NECESSARY TO OPEN LUCK OR LATCH AND MOVE ASIDE
						ENDS-WITH RELEASE OF LOCK OR LATCH
					163	CASE O1 PADLOCK.KEY OPERATED
					388	O2 PADLOCK.COMBINATION
					96	03 MOUNTED LOCK,0-90 DEGREE KEY TURN
					149	04 MOUNTED LOCK.90-360 DEGREE KEY TURN
					317	OS MOUNTED LOCK, COMBINATION TYPE
					77 26	06 HASP TYPE LATCH 07 SLIDE OR SWING TYPE LATCH
					38	OB CAN TYPE SUITCASE LATCH
					21	OP TURN LATCH
					38	10 HOOK AND EYE TYPE LATCH
AF .	u	MAQ	excroo1	MNFLT01	48	LATCH, TURN TO CLOSE BOX OR CONTAINER STARTS-WITH REACH TO LATCH WITH LEFT HAND AND TO HASP WITH RIGHT HAND
						INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE
						HASP OVER LOCKING LATCH AND TURN LATCH TO
						SECURE LID ON BOX
	•					ENDS-WITH RELEASE OF CLOSED LATCH
AF	U.	MAG	SXOL DOS	MNFLT02	47	LATCH, TURN TO OPEN BOX OR CONTAINER
						STARTS-WITH REACH TO LATCH
						INCLUDES—ALL THE MOTIONS NECESSARY TO TURN LATCH AND RELEASE HASP
						ENDS-WITH RELEASE OF HASP
NF	U	MAF	567	MNFP401	173	PASTE, APPLY WITH BRUSH
•						STARTS-WITH APPLICATOR BRUSH IN HAND
						INCLUDES—ALL THE MOTIONS NECESSARY TO DIP BRUSH IN PASTE.WIPE OFF EXCESS ON LIP OF CAN.
						APPLY PASTE TO DEJECT/SURFACE AND RETURN BRUSH
						TO CAN
						ENDS-WITH HAND ON BRUSH AND BRUSH IN CAN
						CONDITIONS-DIP ONE TIME-APPLY WITH THREE NINE
			•			INCH STROKES FORWARD AND THREE NINE INCH MOVES BACK TO START POINT

DATA SOURCE		QUALȚTY	SOURCE CODE	DWMSTDP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
FFF	U	MAA	MMFPIXX	MNFPIXX	VARIABLE	PIN.INSTALL, VARIOUS TYPES STATS-MITH REAGH TO PIN INCLUDES-ALL MOTIONS NECESSARY TO GET PIN(S)
						AND TOOLS, INSTALL PINIS), AND PLACE TOOL ASIDE ENDS-MITH RELEASE OF TOOL CONDITIONS-PARTS AND TOOLS WITHIN 9-15 INCHES
					210	OF USAGE POINT  CASE OI SINGLE COTTER PIN TO .125 INCH  DIAMETER, ENDS SPREAD BUT NOT FLATTENED  AGAINST ASSEMBLY
					232	OZ SINGLE COTTER PIN125250 INCH DIAMETER, ENDS SPREAD BUT NOT FLATTENED AGAINST ASSEMBLY
					264	03 FIRST OF A SERIES OF COTTER PINS,.125— .250 INCH DIAMETER,ENDS SPREAD BUT NOT FLATTENED AGAINST ASSEMBLY
					360	04 SINGLE COTTER PIN TO .125 INCH DIAMETER, ENDS SPREAD AND FLATTENED AGAINST ASSEMBLY
	•				<b>390</b> 422	O5 SINGLE COTTER PIN125250 INCH DIAMETER,ENDS SPREAD AND FLATTENED AGAINST ASSEMBLY O6 FIRST OF A SERIES OF COTTER PINS125-
					311	250 INCH DIAMETER, ENDS SPREAD AND FLATTENED AGAINST ASSEMBLY O7 SINGLE DOWELL OR CYLINDRICAL PIN
				**	63	WITH HAMMER, MAXIMUM .50 INCH DRIVE FIT OB SINGLE PIN OR OTHER CYLINDRICAL PART TO 4 INCHES LONG AND 1 INCH DIAMETER
						CLOSE FIT, NO BINDING, NO TOOLS REQUIRED
					129	09 SINGLE TAPER PIN, LOOSE FIT, NO TOOLS
					195	10 SINGLE TAPER PIN.TIGHT FIT.USE HAMMER
					91 154	11 SINGLE STRAIGHT PIN,INSERT IN CLOTH OR SIMILAR MATERIAL 12 SINGLE SAFETY PIN
FFF	J	MAA	MFPPOZ	MFPPOL	40	PIN.PREPARE TO PRESS(REMOVAL) STARTS-WITH MOVE PUNCH TO LOCATION INCLUDES-POSITION PUNCH TO PIN OR CYLINDRICAL PART AND REMOVE PUNCH AFTER PRESS IS COMPLETE ENDS-WITH PUNCH CLEAR OF HOLE AND IN HAND
			•	·.		CONDITIONS—APPLIES TO PIN OR CYLINDRICAL PART TO 1 INCH DIAMETER.DOES NOT INCLUDE GET PUNCH OR LAY ASIDE PART
· · · FFF	u	MAA	MIFPPOL	MMF PPG2	107	PIN.PREPARE TO PRESS(INSTALLATION) STARTS-WITH REACH TO PIN OR CYLINDRICAL PART INCLUDES-ALL MOTIONS NECESSARY TO GET PIN OR CYLINDRICAL PART, DIP IN LUBRICANT, AND PLACE TO LOCATION FOR PRESSING ENDS-WITH PART IN POSITION FOR PRESSING CONDITION-APPLIES TO PIN OR CYLINDRICAL PART
						TO ONE INCH DIAMETER

DATA SOURCE		OUALITY	SOURCE	DWMSTOP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
***	U	MAA	MIFPREX	MAF PRXX	VARIABLE	PIN.REMOVE.VARIOUS TYPES STARTS=MITH REACH TO TOOL OR PART INCLUDES=ALL MOTIONS NECESSARY TO GET TOOL REMOVE PIN OR PART.AND LAY ASIDE TOOL AND PIN ENDS=MITH RELEASE OF TOOL CONDITION=PARTS AND TOOLS WITHIN 9-15 INCHES
					203	OF USAGE POINT CASE OF FIRST OR SINGLE COTTER PIN.TO .125 INCH DIAMETER.ENDS SPREAD, NOT
					288	FLATTENED AGAINST ASSEMBLY O2 FIRST OR SINGLE COTTER PIN125250 INCH DIAMETER.ENDS SPREAD.NOT
				·	349	FLATTENED AGAINST ASSEMBLY O3 COTTER PIN TO .125 INCH DIAMETER, ENDS
			•		456	SPREAD AND FLATTENED AGAINST ASSEMBLY 04 COTTER PIN. 125-250 IN. DIAMETER ENDS
					183	SPREAD AND FLATTENED AGAINST ASSEMBLY O5 TAPER PIN, DOWEL PIN, OR OTHER CYLINORICAL PART WITH HAMMER AND DRIFT
					39	PUNCH  06 FIRST CYLINDRICAL PART TO 4 INCHES  LONG AND 1 INCH DIAMETER.CLOSE FIT, NO  TOOLS REQUIRED
					43	07 FIRST OR SINGLE STRAIGHT PIN-LITTLE OR NO RESISTANCE
					116	OB FIRST OR SINGLE SAFETY PIN
FFF	U	MAA	MFK [0]	MUFRIOL	271	RING(SNAP).INSTALL.INTERNAL OR EXTERNAL.UP TO ONE INCH FROM END OF PART USING SPECIAL SNAP RING PLIERS STARTS-WITH GET TOOL AND SNAP RING INCLUDES-ALL MOTIONS NECESSARY TO INSTALL INTERNAL OR EXTERNAL SNAP RING
		•				ENDS-WITH PLACE PLIERS ASIDE
PFE	Ű	MAG	GPL POXX	MMFRPXX	VARIABLE	PLUGIOR CAP), RENOVE, NON-THREADED PLASTIC, USING A SCREWDRIVER STARTS-WITH GET SCREWDRIVER INCLUDES-ALL MOTIONS NECESSARY TO PRY PLUG WITH SCREWDRIVER AT FOUR POINTS AND REMOVE PLUG ENOS-WITH ASIDE PLUG AND SCREWDRIVER CASE OI FIRST PLUG
					306	02 EACH ADDITIONAL PLUG
<b>FF F</b>	<b>U</b>		MIFEROL	MJF RRQ1	136	RETAINER, REMOVE, SNAP RING, INTERNAL OR EXTERNAL USING SNAP RING PLIERS STARTS-WITH GET PLIERS INCLUDES-ALL MOTIONS NECESSARY TO USE PLIERS TO REMOVE INTERNAL OR EXTERNAL SNAP RING FROM GROOVE UP TO ONE INCH FROM END OF PART ENDS-PLACE RING AND PLIERS ASIDE
FFF			MMFKR04	MMFRR02	865	RETAINER.REMOVE.RING.SPRING.LOCKWIRE OR FLAT STEEL.USING TOOLS STARTS-WITH GET TOOLS INCLUDES-ALL MOTIONS NECESSARY TO REMOVE A RETAINER RING.SPRING OR LOCKWIRE WITH PRY TOOL AND PLIERS ENDS-WITH PLACE RING ASIDE
fff	Ü	444	MIFKRO6	MNFRRQ3	146	RETAINER.REMOVE.SNAP ON CLIP TYPE.USING PLIERS STARTS-WITH GET PLIERS INCLUDES-ALL MOTIONS NECESSARY TO USE PLIERS TO REMOVE CLIP TYPE RETAINER ENDS-WITH PLACE RETAINER ASIDE

DATA Source		QUALITY	SOURCE CODE	DWMSTDP ELEMENT		OPERATION/ELEMENT DESCRIPTION
MAA		MAA	CMFRTXX	MMFRTXX	VARTABLE	RETAINFRITHUMARC), INSTALL OR REMOVE STARTS-WITH REACH TO RING OR TRUMARC PLIERS INCLUDES-ALL THE MOTIONS NECESSARY TO GET RING AND TOOL, FNGAGE TOOL AND TRUMARC RING, SQUEEZE RING AND PLACE IN SLUT, RELEASE RING, ASIDE TOOL, GET PLIERS, INSERT IN RING AND REMOVE, ASIDE TOOL AND RING(SIMO) ENDS-WITH ASIDE TOOL CONDITIONS-APPLIES TO BOTH EXTERNAL AND IN- TERNAL GROOVES UP TO ONE INCH DEPTH
					221 178 176 133	CASE UI INSTALL FIRST RING O2 INSTALL EACH ADDITIONAL RING O3 REMOVE FIRST RING U4 REMOVE EACH ADDITIONAL RING
OL.	U	MAL	H13	MNF \$ 101	51	STAPLE, INSTALL WITH PLIER GRIP STAPLER STARTS-WITH ITEM(S) TO BE STAPLED UNDER CONTROL BY LEFT HAND AND STAPLER IN RIGHT HAND INCLUDES-ALL MOTIONS NECESSARY TO POSITION STAPLER FOR STAPLING, APPLY ONE STAPLE AND REMOVE STAPLER FROM SURFACE ENDS-WITH STAPLER IN HAND
FFF	u	<b>MAA</b>	MNFSR02	MNF SRO1	86	STAPLE, REMOVE, 3/8 OR 1/2 INCH, USING PLIER TYPE STAPLE REMOVER STARTS-WITH ONE HAND ON STAPLED OBJECT AND STAPLE REMOVER IN OTHER HAND INCLUDES-ALL MOTIONS NECESSARY TO USE PLIER TYPE STAPLE REMOVER TO REMOVE ONE STAPLE FNDS-WITH STAPLE REMOVED AND STAPLE REMOVER IN HAND
FFF	U	MAA	MMFAAXX	MMFTAXX	VARIABLE	TAPE(ADMESIVE).ATTACH TO DESIRED POSITION STARTS-WITH REACH TO END OF TAPE ON ROLL INCLUDES-ALL MOTIONS NECESSARY TO GET TAPE FROM ROLL IN DISPENSER.APPLY TO DESIRED POSITION, AND SEAT WITH FINGERTIPS OR HEEL OF HAND ENDS-WITH TAPE IN POSITION CONDITION-TAPE IN DISPENSER.END NOT STUCK TO ROLL(EACH CASE INCLUDES A CONSTANT VALUE OF 95 THU(SOURCE CODE-MNF-SS-CI) CASE OI APPLY TAPE TO 1 INCH LONG
					116 129 162 155 168	O2 APPLY TAPE 1-3 INCHES LONG O6 APPLY TAPE 3-9 INCHES LONG 12 APPLY TAPE 9-15 INCHES LONG 18 APPLY TAPE 15-21 INCHES LONG 24 APPLY TAPE 21-27 INCHES LONG
FFF	U	MAA	MMFTFXX	MMFTFXX	VARIABLE	TURNLOCK.FASTEN OR UNFASTENIDZUS.CAMLOCK.ETC.) STARTS-MITH REACH TO PART INCLUDES-ALL MOTIONS NECESSARY TO ACCOMPLISH MINOR REPOSITIONING OF PART FOR ACCESS AND TO TURN LOCK UP TO 90 DEGREES TO FASTEN OR UNFASTEN ENDS-MITH RELEASE OF TURNLOCK OR TOOL CASE OI TURN BY HAND(LOCK MITH WINGED OR SERRATED HEAD) OZ TURN WITH TOOL(INCLUDES GET AND ASIDE
AF	U	MAO	TAGDOO1	MIFTGOL	<b>65</b>	TOOL)  TAPE-GET FROM DISPENSER.6 INCH LENGTH OF TAPE STARTS-WITH REACH TO TAPE WITH RIGHT HAND AND TO DISPENSER WITH LEFT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO HOLD DISPENSER WITH LEFT HAND, PULL SIX INCHES OF TAPE WITH RIGHT HAND, TEAR IT FROM DISPENSER AND GRASP FREE END OF TAPE WITH OTHER HAND ENDS-WITH TAPE HELD IN BOTH HANDS 12 INCHES FROM DISPENSER

DATA SOURÇE	7 4 4 5 5	QUALITY	SOURCE	DWMSTDP ELEMENT		OPERATION/ELEMENT DESCRIPTION
PPE	u	MAA .	EJPATO1	MMFTRO1	167	TAPE.REMOVE FROM ROLL STARTS-WITH REACH TO GET ROLL OF TAPE INCLUDES-ALL THE MOTIONS NECESSARY TO PULL A STRIP OF TAPE FROM A ROLL, TEAR OFF LENGTH AND ASIDE ROLL OR PIECE OF TAPE FNDS-MITH ROLL OR PIECE UF TAPE ASIDE CONDITIONS-PIECE UP TO 27 INCHES.LIMITED TO MASKING TAPE UN ROLLS TO THREE INCHES MIDE
FFE	U	MAA .	GJPATA6	MNF TRO2	97	TAPE, REMOVE FROM OBJECT STARTS-MITH REACH TO TAPE INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP THE END OF A PIECE OF TAPE, PULL LOOSE FROM AN OBJECT, ROLL TAPE UP AND ASIDE USED TAPE ENDS-MITH ASIDE USED TAPE CONDITIONS-APPLIES TO PIECES OF TAPE FROM ONE TO NINE INCHES LONG
FFE	U	MAA	GNCHTDI	MNFTRO3	191	TAPE(MASKING), REMOVE STARTS-MITH REACH FOR END OF TAPE INCLUDES-ALL THE MOTIONS NECESSARY TO GET END OF TAPE WITH HAND, HOLD OBJECT WITH OTHER HAND, PULL TAPE LOUSE FROM OBJECT AND ASIDE ENDS-WITH ASIDE TAPE CONDITION-TAPE IS 15-21 INCHES LONG
FFF	U	MAA	MOFTLXX	MMFTTXX	98 101 105 109	TAPE, TEAR FROM LOOSE ROLL DISPENSER STARTS—MITH REACH TO DISPENSER INCLUDES—ALL MOTIONS NECESSARY TO HOLD DISPENSER, GET TAPE NEAR CUTTER EDGE, PULL SPECIFIED LENGTH, CUT TAPE, ASIDE DISPENSER, AND GET END OF TAPE WITH DTHER HAND ENDS—WITH TAPE IN HANDS CONDITION—EACH CASE INCLUDES A CONSTANT VALUE OF 96 TMU(SOURCE CODE MNF—TL—C1) CASE 01 GET AND TEAR TAPE, UP TO ONE INCH 02 GET AND TEAR TAPE, 1—3 INCH LENGTH 12 GET AND TEAR TAPE, 9—15 INCH LENGTH 18 GET AND TEAR TAPE, 15—21 INCH LENGTH
PFF	U	MAA	muf SCO1	MNFUCOL	94	24 GET AND TEAR TAPE, 21-27 INCH LENGTH  WIRE(SAFETY). CUT OFF EXCESS AND BEND END OVER,  TWISTED SINGLE STRAND TO .0625 INCH DIAMETER  STARTS-WITH PLIERS(WIRE TWISTERS) IN HAND  INCLUDES-ALL HOTIONS NECESSARY TO USE WIRE  TWISTERS TO CUT OFF EXCESS TWISTED SAFETY WIRE  AND BEND END TO 180 DEGREES  ENDS-WITH PLIERS IN HAND
FFF			MNFS1XX	MAPHIXX	YAR I ASLE	WIRE(SAFETY).INSERT THROUGH HOLE STARTS-WITH WIRE MELD IN LEFT HAND AND REACH TO WIRE WITH RIGHT HAND INCLUDES-ALL MOTIONS NECESSARY TO GET WIRE WITH RIGHT HAND, MOVE FROM OVER ANCHOR, ALIGN TO HOLE HORIZONTALLY, PUSH WIRE THROUGH HOLE, GRASP END OF WIRE WITH LEFT HAND, AND PULL THROUGH HOLE ENDS-WITH WIRE HELD IN LEFT HAND CONDITIONS-MAXIMUM LENGTH-27 INCHES DOUBLE STRAND WIRE TO .0625 INCH DIAMETER; NO TOOLS REQUIRED.EACH CASE INCLUDES A CONSTANT VALUE 97 TMU(SOURCE CODE MNF-SI-C1)
				·.	108 113 118 123 428	CASE O2 INSERT 1-3 INCHES WIRE THROUGH HOLE O6 INSERT 3-9 INCHES WIRE THROUGH HOLE 12 INSERT 9-15 INCHES WIRE THROUGH HOLE 18 INSERT 15-21 INCHES WIRE THROUGH HOLE 24 INSERT 21-27 INCHES WIRE THROUGH HOLE

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE	OWMSTOP ELEMENT	• • • •	OPERATION/ELEMENT DESCRIPTION
FFF	Ú	MAA	MNFSQXX	MNFWOXX	VARIABLE	WIRE, OBTAIN FROM ROLL AND STRAIGHTEN END STARTS-WITH CUTTING PLIERS IN HAND AND REACH TO MIRE INCLUDES-ALL MOTIONS NECESSARY TO GET MIRE FROM ROLL, CUT TO DESIRED LENGTH, AND STRAIGHTEN
					. •	END WITH FINGERS ENDS-WIRE AND PLIERS IN HAND CONDITION-APPLIES TO WIRE UP TO .0625 INCH DIAMETER
					173 178 183	CASE 06 3-9 INCHES, OBTAIN AND STRAIGHTEN 12 9-15 INCHES, OBTAIN AND STRAIGHTEN 18 15-21 INCHES, OBTAIN AND STRAIGHTEN
					188 230 235 240	24 21-27 INCHES,OBTAIN AND STRAIGHTEN 30 27-33 INCHES,OBTAIN AND STRAIGHTEN 36 33-39 INCHES,OBTAIN AND STRAIGHTEN
					245	42 39-45 INCHES, OBTAIN AND STRAIGHTEN 48 45-51 INCHES, OBTAIN AND STRAIGHTEN
###	IJ	MAA	MNFSR01	MNF WROI	184	WIRE(SAFETY), REMOVE FROM FIRST STATION, SINGLE STRAND STARTS-WITH REACH TO DIAGONAL PLIERS
						INCLUDES—ALL MOTIONS NECESSARY TO GET DIAGONAL PLIERS, CUT SINGLE STRAND SAFETY WIRE AND REMOVE FROM FIRST LOCKING POINT, AND PLACE WIRE AND PLIERS ASIDE
FFF	ú	MÁA	MNFSR03	MNFWRO2	270	ENDS-WITH RELEASE OF WIRE AND PLIERS WIRE (SAFETY), REMOVE, DOUBLE STRAND, TWISTED,
						FIRST STATION STARTS-MITH REACH TO DIAGONAL PLIERS INCLUDES-ALL MOTIONS NECESSARY TO CUT BOTH STRANDS OF MIRE EVERY OTHER TIME, DISENGAGE BOTH STRANDS EACH TIME AND PLACE MIRE ASIDE ENDS-MITH RELEASE OF WIRE AND DIAGONAL PLIERS
FFF	Ů.	MAA	MNFSR04	MNFWRQ3	225	WIRE(SAFETY), REMOVE, DOUBLE STRAND, TWISTED ADDITIONAL STATION UP TO 6 INCHES APART
						STARTS-WITH REACH TO WIRE WITH DIAGONAL PLIERS INCLUDES-ALL MUTIONS NECESSARY TO CUT BUTH STRANDS OF WIRE EVERY OTHER TIME, DISENGAGE BOTH STRANDS EACH TIME AND PLACE WIRE ASIDE
						ENDS-WITH PLIERS IN HAND AND RELEASE OF WIRE
FFF	U	MAA	MMFSSXX	MNFUSXX	VAR I ABLE	WIRE(SAFETY), SECURE TO ANCHOR STATION WITH ONE TWIST BY MAND STARTS-WIRE HELD IN LEFT MAND
		,				INCLUDES—ALL MOTIONS NECESSARY TO MAKE FIRST THIST IN WIRE AFTER THREADING THROUGH HOLE ENDS—WITH COMPLETION OF TWIST AND ONE END OF
						WIRE HELD IN EACH HAND CONDITIONS-ONE COMPLETE TWIST: NO TOOL NECESSARY: 15 INCHES MAXIMUM LENGTH, DOUBLE
• •						STRAND WIRE TO .0625 INCH DIAMETER.EACH CASE INCLUDES A CONSTANT VALUE OF 68 THU(SOURCE CODE MNF-SS-C1)
					89 113	CASE OL SAFETY WIRE TO 1 INCH LONG
					126 139	02 SAFETY WIRE 1-3 INCHES LONG 06 SAFETY WIRE 3-9 INCHES LONG 12 SAFETY WIRE 9-15 INCHES LONG

DATA SOURCE	OCCUP- AT ION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
FFF	u	MAA	MNFSTXX	MNF WT XX	VARTABLE	WIRF(SAFETY), TWIST BETWEEN ANCHORS WITH SAFETY WIRE PLIERS, WIRE TO .0625 INCH DIAMETER STARTS-WITH ONE END OF WIRE IN EACH HAND INCLUDES-ALL MOTIONS NECESSARY TO ATTACH SAFETY WIRE PLIERS TO WIRE, TWIST WIRE, AND REMOVE PLIERS ENDS-WITH WIRE IN HAND AND PLIERS ASIDE NOT RELEASED CONDITIONS-APPLICABLE TO SAFETY WIRE IN UNOBSTRUCTED AREA.MAXIMUM DISTANCE BETWEEN ANCHORS & INCHES.FRACTIONAL TWIST OF ENDS AT FINAL STATION FOR SINGLE STRAND.
					252	CASE OI ATTACH PLIERS TO WIRE, PREPARE TO TWIST, AND REMOVE PLIERS FROM WIRE (CONSTANT PORTION OF CASES 02-07)
					287	OZ SECURE SAFETY WIRE-ONE THIST
					304	O3 SECURE SAFETY WIRE-TWO TWISTS
					327	04 SECURE SAFETY WIRE-THREE TWISTS
					345	OS SECURE SAFETY WIRE-FOUR THISTS
					363	06 SECURE SAFETY WIRE-FIVE THISTS
					381	07 SECURE SAFETY WIRE-SIX TWISTS
MAA	U	NAL	SPPNNXX	TNFNSXX	TABLE	MAIL, SET AND DRIVE STARTS-WITH REACH TO GET NAIL INCLUDES-ALL THE MOTIONS NECESSARY TO GET A MAIL, POSITION NAIL FOR DRIVING, GET HAMMER AND STRIKE NAIL, BEND TO MAILING POSITION WHEN REQUIRED, CHECK NAIL POSITION AND ASIDE HAMMER ENDS-WITH ASIDE HAMMER CONDITIONS-NAILS IN APRON POCKET
						SIZE OF NAIL
						5-7-8 10-12-16 PENNY PENNY A B
						FIRST NAIL A 422 529
						FAC: 4001710NAL
1						EACH ADDITIONAL Nail 8 182 285

DATA OCCUP- QUALITY SOURCE DWMSTDP THU OPERATION/ELEMENT DESCRIPTION SOURCE ATION ELEMENT VALUE CODE FFF U MAA THEPAXX THEPAXX TABLE PRESS(ARBOR), ACTUATE TO INSTALL OR REMOVE PIN OR CYLINDRICAL PART STARTS-WITH PART ON ARBOR PRESS AND HAND ON MANDLE INCLUDES-ALL MUTIONS NECESSARY TO LOWER RAM. POSITION PART UNDER RAM, PRESS PIN IN OR OUT. AND RAISE RAM ENDS-WITH RAM RAISED, HAND ON HANDLE CONDITIONS CONE HAND OPERATION OF PRESS HANDLE: EACH CASE CONTAINS APPROPRIATE CONSTANT VALUE FOR LUMERING AND RAISING RAMISOURCE CODE, MNF-PA-C1 THRU MNF-PA-C7) AND WEIGHT FACTORS TO OVERCOME RESISTANCE TO HANDLE MOVEMENT; WEIGHT FACTORS FOR POSITIONING PART UNDER RAM NOT INCLUDED DEPTH OF PRESS DIAMETER OF PIN(INCHES) 1/2-3/4 INCH . 1/8 1/4 3/8 DISTANCE PART MOVED TO ALIGN UNDER RAM В C D TO 1 INCH 135 • 144 144 149 1-3 INCHES 8 138 147 147 152 3-9 INCHES C 143 152 152 157 9-15 INCHES D 148 157 157 162 15-21 INCHES 21-27 INCHES E 153 162 162 167 F 158 167 167 172 5/8 3/4 7/8 1.0 E H TO 1 INCH 149 152 157 149 158 1-3 INCHES 3-9 INCHES 8 152 161 161 157 166 166 9-15 INCHES 162 162 171 171 15-21 INCHES 167 E 167 176 176 21-27 INCHES 172 172 181 181 DEPTH OF PRESS DIAMETER OF PINCINCHES! 3/4-1 1/4 INCHES 1/8 1/4 3/8 1/2 DISTANCE PART MOVED TO ALIGN UNDER RAN В C n TO 1 INCH 1-3 INCHES 3-9 INCHES 152 162 164 164 H 155 165 167 167 170 160 172 172 9-15 INCHES ĸ 165 175 177 177 15-21 INCHES 21-17 INCHES 170 180 182 182 175 185 187 187 5/8 3/4 7/8 1.0 £ G н TO 1 INCH G 258 258 263 1-3 INCHES
3-9 INCHES н 261 261 266 266 266 266 271 271 9-15 INCHES K 271 271 276 276 15-21 INCHES 276 276 281 281 21-27 INCHES 281 281 286 286 DEPTH OF PRESS DIAMETER OF PINCINCHES! 1/8 1/4 3/8 DISTANCE PART MOVED TO ALIGN UNDER RAN В C Ð TO 1 INCH 1-3 INCHES 3-9 INCHES N 329 357 367 448 ٥ 332 360 370 451 RST 337 365 375 456 9-15 INCHES 342 370 380 461 15-21 INCHES 347 375 385 466

21-27 INCHES

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352

5/8

380

3/4

390

7/8

471

1.0

DATA SOURCE		OUALITY	CODE	DUNST DP ELEMENT	VALUE	OPERATIONAELEMENT	DESC	RIPTIO	N	٠	
PFF	U	MAA	THEPAXX	TNFPAXX		TO 1 INCH		E 453	.f 453	G 453	н
							N				
						1-3 INCHES	P	456	456	456	471
						3-9 INCHES	R	461	461	461	476
						9-15 INCHES	5	466	466	466	481
						15-21 INCHES	T	471	471	471	486
						21-27 INCHES	Ū	476	476	476	491

DATA OCCUP- QUALITY SOURCE DUMSTOP THU OPERATION/ELEMENT DESCRIPTION SOURCE ATION CODE ELEMENT VALUE WIRE (SAFETY), INSTALL, TWO-STRAND TWISTED BETWEEN UNDESTRUCTED ANCHORS, WIRE TO .0625 FFF THESAXX THEHIXX TABLE INCH DIAMETER STARTS-WITH REACH TO SAFETY WIRE, PLIERS IN HAND INCLUDES—ALL MOTIONS NECESSARY TO GET SAFETY MIRE FROM RULL, THREAD THROUGH FIRST ANCHOR POINT, TWIST BETWEEN ANCHOR POINTS, THREAD THROUGH SUBSEQUENT ANCHOR POINTS AND THIST, CUT OFF EXCESS WIRE AND BEND END AFTER FINAL TWIST ENDS-WITH PLIERS IN HAND CONDITIONS-APPLIES TO SAFETY WIRE INSTALLATION WITH SAFETY WIRE PLIERS(WIRE TWISTERS). TABLE VALUES NOT APPLICABLE TO SPECIFIC SAFETY HIRE TECHNIQUES, E.G., TURNBUCKLE.
TOTAL DISTANCE BETWEEN ANCHORS(INCHES) ANCHOR 0.5-1.5 1.5-2.5 2.5-3.5 STATIONS Ď Ε G H j L M Ÿ 3.5-4.5 4.5-5.5 5.5-6.5 D D E G H J K L M N P è 12204 12780 

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DATA SOURCE		QUALITY	SOURCE	OWMSTOP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
MAA	U	MAA -	SPLTUXX	SMFTCXX	VARTABLE	TAPE(PLASTIC).CUT PIECE FROM ROLL STARTS-MITH REACH TO GET ROLL OF TAPE
						INCLUDES—ALL THE MOTIONS NECESSARY TO GET ROLL OF TAPE AND PULL OFF LENGTH, GET SCISSORS AND CUT TAPE, ASIDE ROLL AND SCISSORS, PICK UP PIECE
			•	· .:	192 42	OF TAPE ENDS-WITH PICK UP PIECE OF TAPE CASE OI UNROLL 12 INCHES AND CUT OZ UNROLL EACH ADDITIONAL 12 INCHESTADO
						TO CASE OLI
MAA	U	MAA	ONFSCXX	SNFWIXX	VARIABLE	WIRE(SAFETY-CONTINUOUS), INSTALL STARTS-WITH REACH TO GET WIRE
						INCLUDES-ALL THE MOTIONS NECESSARY TO GET HIRE AND DIAGONAL PLIERS, ROLL OFF LENGTH OF WIRE,
		•				CUT WIRE, ASIDE DIAGONAL PLIERS, FEED END OF WIRE IN FIRST ANCHOR POINT, PULL THROUGH WITH
						DUCKBILL PLIERS, PULL AND TIGHTEN WIRE AROUND HEAD, INSERT WIRE IN SECOND ANCHOR POINT, PULL
		•				THROUGH WITH DUCKBILL PLIERS AND HOLD, GET OTHER END OF WIRE AND PULL AROUND HEAD BY
						HAND, PRE-TWIST PIGTAIL, RELEASE WIRE HELD BY DUCKBILL PLIERS, GRASP AND PRE-TWIST PIGTAIL WITH DUCKBILL PLIERS AND TWIST, ASIDE DUCKBILL
						PLIERS,GET DIAGONAL PLIERS AND CUT PIGTAIL. ASIDE DIAGONAL PLIERS.GET NEEDLE NOSE PLIERS.
						GRASP AND TUCK PIGTAIL. RELEASE PIGTAIL AND ASIDE NEEDLE NOSE PLIERS
					648	ENDS-WITH ASIDE NEEDLE NOSE PLIERS CASE OI SAFETY WIRE TWO BOLT HEADS, THREE
			•			INCHES APART, WIRE NOT THISTED BETWEEN BOLTS
			*		• 77	02 SAFETY WIRE ADDITIONAL BOLT HEAD, WIRE NOT THISTED BETWEEN BOLTS
DNA	u	MAA	ONFSCXX	SNFWRXX	VARIABLE	WIRE(SAFETY-CONTINUOUS) REMOVE STARTS-WITH REACH TO GET DIAGONAL PLIERS
,			F			INCLUDES—ALL THE MOTIONS NECESSARY TO GET DIAGONAL PLIERS AND CUT PIGTAIL, HOLD PIGTAIL
						WITH DIAGONAL PLIERS AND TWIST WIRE FROM HOLES.PULL WIRE FROM HOLES WITH DIAGONAL
			•	•		PLIERS.ASIDE WIRE AND DIAGONAL PLIERS ENDS-WITH WIRE AND DIAGONAL PLIERS ASIDE
					245	CASE OI REMOVE SAFETY WIRE FROM TWO BULTS THREE INCHES APART, WIRE NOT TWISTED BETWEEN BULTS
					65	02 REMOVE SAFETY WIRE FROM ADDITIONAL BOLT HEAD, WIRE NOT TWISTED BETWEEN
						BOLTS
FFE	U .	TAA	GJPHMXX	TOGNMXX	TABLE	NUMBERS, MULTIPLY(READ, TRANSPOSE) STARTS-WITH REACH TO GET PENCIL FROM POCKET INCLUDES-ALL THE MOTIONS NECESSARY TO GET PENCIL FROM POCKET, READ NUMBER(S)TO TRANSPOSE, WRITE NUMBER(S), DRAW UNDERLINE, MULTIPLY DIGITS MANUALLY AND WRITE, RETURN PENCIL TO POCKET
						ENDS-WITH MULTIPLICATION COMPLETE, PENCIL BACK IN POCKET
						NUMBER OF BY DIGITS TO NUMBER OF DIGITS BE MULTIPLIED A B C 1 2 3
						1 A 280
						2 8 338 534
						3 C 421 812 997
						4 D 484 965 1346

DATA Source		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	VALUE	UPERATION/ELEMENT DESCRIPTION
FFE	u	MAA	GNCDC14	SOGDUOL	492	DRAWER(FILING CABINET).UNLOCK, OPEN, CLOSE, AND LOCK
			,			STARTS-WITH REACH TO COMBINATION LOCK INCLUDES-ALL MOTIONS NECESSARY TO OPEN COMBINATION LOCK, OPEN DRAWER(NO THUMB LATCH); CLOSE DRAWER, AND CLOSE AND SECURE LOCK ENDS-WITH RELEASE OF LOCK CONDITIONS-COMBINATION LOCK IS MOUNTED IN DRAWER, NO TIME INCLUDED FOR REPOSITIONING BODY AT CABINET OR FOR REMOVING OR PLACING OBJECTS IN DRAWER
PFE	u	MAA	GMCDC15	SOGDU02	719	DRAWER(FILING CABINET), UNLOCK, OPEN, CLOSE, AND LOCK
				٠.		STARTS-WITH REACH TO COMBINATION PAOLOCK INCLUDES-ALL MOTIONS NECESSARY TO OPEN AND ASIDE COMBINATION PAOLOCK, REMOVE RETAINER BAR, OPEN DRAWER(NO THUMB LATCH); CLOSE DRAWER REPLACE BAR, INSTALL LOCK, AND CLOSE LOCK
						ENDS-WITH RELEASE OF LOCK CONDITIONS-NO TIME INCLUDED FOR REPOSITIONING BODY AT CABINET OR FOR REMOVING OR INSERTING OBJECTS IN DRAWER
FFD <sub>;</sub>		MAA	8 <b>0</b> HCD01	SOHCDO1	35	CONTAINER, DUMP PARTS STARTS-MITH CONTAINER IN HANDS UNDER CONTROL INCLUDES-ALL MOTIONS NECESSARY TO INVERT CONTAINER, DUMP PARTS, AND RETURN CONTAINER TO URIGINAL POSITION ENDS-MITH EMPTY CONTAINER IN HANDS CONDITION-APPLICABLE TO TRAYS, TOTE PANS, ETC. OF PARTS WEIGHING TO 12.5 POUNDS
NG	U	MAG	LOPC-18	BONNPOL	<b>56</b>	MOOK.PLACE IN PART,STYPE HOOK STARTSTHIN HOOK IN HAND INCLUDESTALL THE MOTIONS NECESSARY TO MOVE HOOK TO HOLE IN PART,POSITION HOOK TO HOLE, SWING HOOK TO ENGAGE AND SEAT HOOK ENDSTHIN HOOK SEATED IN HOLE IN PART,HAND ON HOOK
FFD	U	MAA	BOHHAOL	<b>80H0G01</b>	38	OBJECT, GAIN CONTROL AFTER GET HANDFUL OF OBJECTS STARTS-MITH REGRASP OF HANDFUL OF OBJECTS INCLUDES-ALL MOTIONS NECESSARY TO GET OBJECT MITH FINGERS OF SAME HAND AND ALIGN READY FOR NEXT OPERATION ENDS-MITH OBJECT READY TO MOVE TO NEXT OPERATION CONDITION-USE FOR HANDFULL OF OBJECTS, TO PREPARE OME OBJECT FOR NEXT OPERATION, SUCH AS GET BOLT ALIGNED TO INSTALL FROM HANDFUL OF BOLTS IN SAME MAND
DNG	U	MAG	LDPC-1C	ВОНРИХХ	Var I abl e	PART.HANG WITH "S" HOOK STARTS-WITH PART IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO HANG A PART(ON "S" HOOK) ON TO EDGE OF TANK ENDS-WITH PART HANGING CONDITIONS-PART AND HANGER WEIGH TO 10 POUNDS- HANG PART ON BAR OR RIM(EDGE) SUCH AS VAT OR TANK
					40 55	CASE OI HANG WITH 16-INCH MOVE OZ HANG WITH 30-INCH MOVE

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFD	U .	MAA	BOHSPXX	BOHPSXX	VARIABLE	PARTS, SEPARATE BY PULLING STARTS-MITH HAND ON OBJECT INCLUDES-ALL MOTIONS NECESSARY TO SEPARATE A SINGLE OBJECT FROM PILE OF OBJECTS ENDS-WITH OBJECT IN HAND FREE OF PILE
				•	12	CONDITION-DOES NOT INCLUDE UNTANGLING MOTIONS CASE OF SEPARATE BY PULLING STRAIGHT OUT ON OBJECT, TO 2.5 POUNDS RESISTANCE
					25	O2 SEPARATE BY PULLING STRAIGHT OUT ON OBJECT. 2.5-12.5 POUNDS RESISTANCE
					29	O3 SEPARATE BY PULL WITH THIST, 2.5-12.5 POUNDS RESISTANCE
FFE	U	MAA	RL GOBOL	MOHBO01		ROOK, OPEN TO MARKED PAGE STARTS-MITH BOOK ON TABLE, HANDS AT BOOK INCLUDES-ALL THE MOTIONS NECESSARY TO REACH TO FLAG AND GRASP PAGES, OPEN BOOK AT FLAG, REACH TO AND HOLD CENTER OF PAGES TO KEEP BOOK OPEN ENDS-WITH BOOK OPEN AT MARKED PAGE CONDITIONS-PAGE MARKED WITH PAPER CARD
FFE	U	AAN	GJPJ0G5	MOHBROL	203	BOOK, REMOVE FROM AND REPLACE IN OPEN BOOKCASE STARTS-MITH REACH TO BOOK INCLUDES-ALL MOTIONS NECESSARY TO GET BOOK, TILT, AND SLIDE BOOK FROM BOOKCASE, ASIDE BOOK; GET BOOK, GET BOOK IN CASE AND MOVE ASIDE TO MAKE OPENING, PLACE BOOK IN BOOKCASE, AND ALIGN BOOK
NO	U	MAD	LDPC1E1	MGHCD01	129	CONTAINER, DUMP PARTS STARTS-WITH REACH TO CONTAINER WITH BUTH HANDS INCLUDES-ALL THE MOTIONS NECESSARY TO REACH AND GRASP CONTAINER, MOVE TO TURN UPSIDE DOWN AND SHAKE TO REMOVE PARTS, ASIDE EMPTY CONTAINER ENDS-WITH ASIDE CONTAINER CONDITIONS-CONTAINER AND PARTS WEIGH APPROXIMATELY ZO POUNDS.CONTAINER IS WIRE BASKET OR SIMILAR.
OL.	U	MAL	ECOC	MOHCOXX	VARIABLE	CLIPBOARD. UBTAIN. AFFIX. OR REMOVE DUCUMENT AND ASIDE STARTS-WITH REACH TO OBTAIN THE CLIPBOARD INCLUDES-ALL THE TIME NECESSARY TO OBTAIN THE CLIPBOARD. AFFIX OR REMOVE THE DUCUMENT AND PLACE THE CLIPBOARD ASIDE ENDS-WITH RELEASE OF CLIPBOARD CASE OI AFFIX DOCUMENT
FF	U	MAA	MDG0001	нанроо	114	DOOR(PASSAGE).OPEN AND CLOSE WITH DOORKNOBS, PUSH OR PULL REQUIRED TO UPEN DOOR STARTS-WITH BODY AT DOOR & REACH TO KNOB INCLUDES-THISTING KNOB.OPENING DOOR, WALKING THROUGH DOORMAY.E CLOSING DOOR ENDS-WITH DOOR CLOSED.KNOB RELEASED. & BODY READY TO TAKE STEP CONDITIONS-WALLS OR PARTITIONS MUST NUT INTERFERE WITH BUDY MOTIONS
ff	u	MAA	. моёовоя	2 MOHDOO	2 48	DOUR (PASSAGE). OPEN AND CLOSE. WITH DOURKNOBS AND CLOSER MECHANISM. PUSH REQUIRED TO OPEN DOOR STARTS-WITH BODY AT DOOR AND REACH TO KNOB INCLUDES-PUSHING THE DOOR OPEN AND WALKING THROUGH DOORWAY ENDS-WHEN FOUT HAS CONTACTED THE GROUND AND RESUMED ITS PURTION OF THE BODY WEIGHT CONDITIONS-WALLS OR PARTITIONS MUST NOT INTERFERE WITH BODY MOTIONS

DATA SOURCE		QUALITY	SOURCE	OMMSTOP ELEMENT	TMU	OPERATION/ELEMENT DESCRIPTION
<b>PPH</b>		MAA	M0G0003	MONDOO3	***	ODOR(PASSAGE). OPEN AND CLOSE, WITH DOORKNOB. PULL TO OPEN, MITH AUTOMATIC CLOSER STARTS—WITH REACH TO DOORKNOB INCLUDES—ALL MOTIONS NECESSARY TO TURN KNOB, PULL DOOR OPEN, MALK THROUGH, AND RELEASE DOOR ENDS—WITH RELEASE OF DOOR CONDITION—WALLS OR PARTITIONS MUST NOT INTERFERE WITH BODY MOTIONS
FFE	U	MAA	GMCDA01	MOHDOO4	75	DOOR(PASSAGE). OPEN AND CLOSE, NO LATCH, PUSH TO OPEN, WITH AUTOMATIC DOOR CLOSER STARTS-MITH REACH TO DOOR HANDLE, KNOB, OR BAR INCLUDES-ALL MOTIONS NECESSARY TO PUSH DOOR OPEN, WALK THORUGH, AND RELEASE DOOR ENDS-MITH RELEASE DOOR CUNDITION-APPLICABLE TO DOORS 30-36 INCHES MIDE AND 72-84 INCHES HIGH
FFE		MAA	CHCDAOS	NONDOOS	114	DOOR (PASSAGE), OPEN AND CLOSE, NO LATCH, PULL TO OPEN, WITH AUTOMATIC DOOR CLUSER STARTS—WITH REACH TO DOOR HANDLE, BAR, OR KNOB INCLUDES—ALL MOTIONS NECESSARY TO PULL DOOR OPEN, WALK THROUGH, AND RELEASE DOOR ENDS—WITH RELEASE OF DOOR CONDITION—APPLICABLE TO DOORS 30—36 INCHES WIDE AND 72—84 INCHES HIGH
FFE	U		GACDA03	MGHDGOS	91	DOOR (PASSAGE), OPEN AND CLOSE, QUICK RELEASE PUSH TO OPEN, WITH AUTOMATIC CLOSER STARTS—WITH REACH TO RELEASE BAR INCLUDES—ALL MOTIONS NECESSARY TO PRESS BAR TO RELEASE LATCH, PUSH DOOR OPEN, WALK THROUGH, AND RELEASE DOOR ENDS—WITH RELEASE OF DOOR CONDITION—APPLICABLE TO DOORS 30—36 INCHES WIDE AND 72—86 INCHES HIGH
#ŧ		MAA	GMCDA04	MGH0007	127	DOOR (PASSAGE), OPEN AND CLOSE, QUICK RELEASE, PULL TO OPEN, MITH AUTOMATIC CLOSER STARTS—WITH REACH TO MANDLE, KNOB OR BAR INCLUDES—ALL MOTIONS NECESSARY TO RELEASE LATCH, PULL DOOR OPEN, WALK THROUGH AND RELEASE DOOR ENOS—MITH RELEASE OF DOOR CONDITION—APPLICABLE TO DOORS 30—36 INCHES MIDE AND 72—84 INCHES HIGH
FFE		MAA	emcdaos	<b>MCMD000</b>	75	OGOR(PASSAGE), OPEN AND CLOSE, THO-MAY SWINGING STARTS-WITH REACH TO DOOR INCLUDES-ALL MOTIONS NECESSARY TO PUSH DOOR OPEN, WALK THROUGH DOOR, AND RELEASE DOOR ENDS-WITH RELEASE OF DOOR CONDITION-APPLICABLE TO DOORS 30-36 INCHES WIDE AND 72-84 INCHES HIGH
FF	U	MAA (	64CDC05	M0H0009	111	DOOR (PASSAGE). OPEN, SLIDING STARTS-MITH REACH TO DOOR RECESS INCLUDES-ALL MOTIONS NECESSARY TO PUSH DOOR OPEN, MALK THROUGH, AND RELEASE DOOR ENDS-WITH RELEASE OF DOOR
ffE	<b>U</b> .	MAA (	MCOCO7	MOHDQ10	136	DOOR (PASSAGE), CLOSE, SLIDING STARTS-MITH TURN TO DOOR RECESS INCLUDES-ALL MOTIONS NECESSARY TO GET DOOR, MOVE DOOR TO CLOSED POSITION, AND TURN TO WALK AWAY ENDS-MITH BODY TURNED AWAY FROM DOOR

DATA SOURCE		QUAL ITY	SOURCE	DWMSTDP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
· DL	U	MAL	вимо	MGHDR01	463	DOOR (OVERHEAD), RAISE AND LOWER, MANUALLY STARTS-MITH REACH TO DOOR LATCH INCLUDES-ALL MOTIONS NECESSARY TO UNLATCH DOOR, RAISE DOOR, REACH TO PULL CHAIN ON ROPE, LOWER DOOR, AND LATCH DOOR ENDS-MITH RELEASE OF LATCH
NF	U	MAF .	3802	MOHDUOL	143	DOOR(OFFICE), UNLOCK STARTS-WITH REACH TO POCKET FOR KEYS INCLUDES-ALL THE MOTIONS NECESSARY TO GET KEYS FROM POCKET, UNLOCK DOOR, AND TURN KNUB TO RE- LEASE LATCH ENDS-WITH KNOB AND KEYS IN MAND
FFO	U	MAA	KALEA16	MOHFIOL	135	FUSE.INSTALL IN FUSE HOLDER/BLOCK STARTS-WITH REACH TO GET FUSE INCLUDES-ALL THE MOTIONS NECESSARY TO GET FUSE AND PLACE TO FUSE HOLDER.SEAT FUSE IN HOLDER AT BOTH ENDS ENDS-WITH RELEASE SEATED FUSE CONDITIONS-FUSE BLOCK OR FUSE HOLDER, SNAP IN TYPE
FFO	U	MAA	KALEDI6	MOHFRO1	83	FUSE, REMOVE FROM HOLDER/BLOCK STARTS-MITH REACH TO FUSE IN HOLDER INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP, REMOVE FUSE FROM HOLDER AND ASIDE FUSE ENDS-MITH ASIDE FUSE CONDITIONS-FUSE BLOCK/HOLDER, SNAP IN TYPE
FFD	U	AAM	MMHOGXX	MOHGOXX	66 168 63	GATE(CONVEYOR), OPEN OR CLOSF, SINGLE GATE OR ONE SIDE OF DOUBLE GATE STARTS-WITH REACH TO GATE INCLUDES-ALL MOTIONS NECESSARY TO OPEN OR CLOSE CONVEYOR GATE ENDS-WITH GATE OPEN OR CLOSED CASE OI OPEN CONVEYOR GATE OF OTHER OF THE OPEN GATE OF OTHER OF THE OPEN GATE OF OTHER OF THE OPEN GATE OF THE OFFI CONVEYOR GATE
DL	Ü	MAL	ВМАН	MOHHAO1	197	HOOK, ATTACH AND DETACH TO/FROM ITEM STARTS-WITH REACH TO HOOK ON RACK INCLUDES-ALL MOTIONS NECESSARY TO GET HOOK, ATTACH TO ITEM, HANG ON RACK, REMOVE HOOK AND ITEM FROM RACK, REMOVE ITEM FROM HOOK, AND REPLACE HOOK ON RACK ENDS-WITH RELEASE OF HOOK
NO	U	DAN	LPDC=1V	MOHHRO 1	42	HOOK("S"), REMOVE FROM PART STARTS-WITH REACH TO HOOK INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP HOOK, MOVE HOOK TO BREAK CONTACT WITH PART, MOVE HOOK FROM PART ENDS-WITH HOOK IN HAND, CLEAR OF PART
FFE	U	HAA	GMCPLXX	MOHLRXX	VARIABLE	LID, REMOVE AND REPLACE, TRASH CAN OR SIMILAR TO 24 INCHES DIAMETER STARTS-WITH REACH TO LID INCLUDES-ALL MOTIONS NECESSARY TO GET EDGE OF LID WITH BOTH HANDS, REMOVE LID FROM CONTAINER, AND ASIDE LID; AND GET LID, POSITION TO CONTAINER, AND PRESS LID DOWN WITH BOTH HANDS ENDS-WITH RELEASE OF LID CONDITIONS-LID NOT SECURED BY LOCKING DEVICE CASE OF REMOVE LID ONLY
					164	OZ REPLACE LID ONLY
					248	O3 REMOVE AND REPLACE LID.LID PLACED ASIDE O4 REMOVE AND REPLACE LID.LID HELD IN HAND

DATA SOURCE	OCCUP- AT ION	OUALITY	SOURCE	DUMSTOR ELEMENT		OPERATION/ELEMENT DESCRIPTION
<b>F</b> F	U	MAA	MOHGOOT	МОНОСОЗ	65	OBJECT.PENCIL.GET FROM SHIRT POCKET STARTS-WITH REACH TO PENCIL OR OTHER OBJECT IN BREAST POCKET OF SHIRT OR APRON INCLUDES-ALL NECESSARY MOTIONS TO GET OBJECT AND REGRASP FNDS-WITH OBJECT IN HAND AWAY FROM PUCKET AND READY FOR USF
FF	U	MAA	MOHA001	моноро1	73	OBJECT.PLACE IN SHIRT POCKET.SUCH AS PENCIL. SCRIBE.OR SCALE STARTS-WITH MOVE OF OBJECT TOWARD POCKET INCLUDES-ALL NECESSARY MOTIONS TO PUT AWAY PENCIL UR SIMILAR OBJECT AFTER USING ENDS-WITH OBJECT SEATED IN POCKET
<b>NF</b>	U	MAF	317	<b>МОНОSO 1</b>	590	OBJECT(HEAVY), SLIDE ON FLOOR STARTS-MITH TURN TO OBJECT INCLUDES-ALL MOTIONS NECESSARY TO REACH TO OBJECT, GRASP, AND PUSH TO MOVE FIVE FEET ENDS-MITH RELEASE OF OBJECT CONDITIONS-OBJECTS WITH RESISTANCE TO 70 POUNDS ENW HANDLED BY TWO PERSONS
OL.		MAL	BMPS	МОНРОХХ	VARIABLE	OBJECT.PICK UP AND SET DOWN STARTS-WITH A STOOP TO THE OBJECT TO BE MOVED INCLUDES-ALL THE MOTIONS NECESSARY TO GAIN CONTROL OF AN OBJECT AND ARISE;STOOP,PLACE OBJECT ON FLOOR,AND ARISE ENDS-HITH ARISE FROM STOOP CONDITION-APPLIES TO OBJECTS WHICH REQUIRE SPECIAL HANDLING, DUE MORE TO PHYSICAL SIZE THAN DENSITY
		· •			155 176 186 255 268	CASE 01 0-35 POUNDS 02 35-45 POUNDS 03 45-55 POUNDS 04 55-65 POUNDS 05 65-75 POUNDS
toF	U	MAF :	3440	MOHPPO1	180	PART,PICK UP AND SET DOWN STARTS-WITH STOOP TO PART INCLUDES-ALL MOTIONS NECESSARY TO STOOP, GRASP PART,ARISE,STOOP,RELEASE PART AND ARISE ENDS-WITH ARISE FROM STOOP CONDITION-APPLICABLE TO UBJECTS SUCH AS TOOLBOXES,POWER TOOLS, ETC WITH HANDLES WHICH CAN BE GRASPED WITH ONE HAND OR WITH TWO HANDS SIMULTANEOUSLY-WEIGHT NOT TO EXCLED 40 POUNDS
NO.		MAG (	LAIPI	MONWPO1	41	WIRE, PLACE THROUGH HOLE IN OBJECT STARTS-WITH WIRE AND OBJECT IN HAND INCLUDES-ALL MOTIONS NECESSARY TO POSITION END OF WIRE TO HOLE IN OBJECT AND THREAD WIRE THROUGH OBJECT ENDS-WITH WIRE AND OBJECT IN HAND CONDITIONS-APPLICABLE TO ATTACHING MARKER, TAG, OR SIMILAR TO WIRE

DATA SQUECE	OCCUP- ATION	QUALITY	SQUECE	DWMSTDP ELEMENT	THU	OPERATION/ELEMENT	DESC	r i Pt i On				
FFO	υ	MAA	TOHRAXX	TOHORXX	TABLE	OBJECT.REPOSITION AT WORKPLACE BY SLIDING OR LIFTING AND TURNING.OBJECT TO 50 POUNDS WEIGHT.TURN TO 180 DEGREES STARTS-WITH REACH TO OBJECT INCLUDES-ALL HOTIONS NECESSARY TO REPOSITION OBJECT ENDS-WITH RELEASE OF OBJECT DEGREES OBJECT TURNED						
								TO 90		90-1		
								GHT OF 20 20-		0 20	20 <b>–</b> 50	
					•	LIFT ONE END OF OBJECT, TILT OVER, AND SLIDE TO POSITION ABOUT HORIZONTAL AXIS	A .			C 76	D 133	
						ROLL OBJECT BY HAND ABOUT THE HORIZONTAL AXIS— NO LIFT OR TILT	8		34	65	111	
						LIFT CLEAR OF SURFACE, TURN DVEF AND SLIDE TO POSITION ABOUT HORIZONTAL AXIS	_	66 1	35	73	170	
					ige i de la	LIFT CLEAR OF SURFACE, TURN OVE AND SLIDE TO POSITION ABOUT THE VERTICAL AXI	R	64 1	47	86	224	
						TURN ABOUT THE VERTICAL AXIS— SLIDE TO POSITIO NO PICK UP OBJEC	N=	29	63	51	100	
FFD	u .	MAA	TOHRAXX	TOHOTXX	TABLE	OBJECT, TURN ABOUT HOR TO 180 DEGREES, OBJECT FIXTURE, EFFECTIVE NET POUNDS	RESI	STANCE	ENR) T	Un.		
						STARTS-WITH REACH T INCLUDES-ALL MOTION DBJECT WHICH IS ENDS-WITH RELEASE O CONDITIONS-DOES NOT TIGHTEN KNOBS OR	S NEC ATTAC F OB.	ESSARY CHED TO JECT LUDE TIP	A STAN	OOSEN	ATURE	
						10		ES OBJE	T TURN	ED 0-180		
						2.000	ADIU:	S OF OB.	JECT TU	IRNED ( I	NC HES )	
						(POUNDS) TO 6	6-12	12-18	TO 6	6=12	12-18	
						TO 2.5 A 22 2.5=10 B 25 10=20 C 30 20=30 D 50 30=40 E 55 40=50 F 60	B 27 30 35 55 60 65	C 49 42 47 67 72	D 26 29 34 54 59	E 39 42 47 57 72 77	F 46 49 54 74 79	

DATA Source	OCCUP- AT ION	QUALITY	SOURCE CODE	DMMSTOP ELEMENT	YALUE	OPERATION/ELEMENT DESCRIPTION
FFE	U	MAA	ITEECGC	SOHBOXX	VARIABLE	BOOK-OBTAIN FROM OPEN SHELF AND RETURN STARTS-MITH READ IDENTIFICATION OF BOOKS ON SHELF
						INCLUDES-ALL MOTIONS NECESSARY TO LOCATE BOOK, REMOVE FROM SHELF, GET MARKER PAD, WRITE BOOK MUMBER(THREE DIGITS) ON MARKER, INSERT MARKER PAD IN BOOK SLOT ON SHELF, PLACE BOOK TO CARRY, PLACE BOOK ON TABLE OR WORK BENCH, GET BOOK FROM TABLE TO RETURN TO SHELF, REMOVE MARKER PAD, RETURN BOOK TO SHELF, AND TEAR SHEET PROM MARKER PAD ENDS-WITH ASIDE MARKER PAD CONDITIONS-TIME TO WALK BETWEEN BOOK SHELF AND WORK AREA NOT INCLUDED
					844	CASE OI OSTAIN AND RETURN BOOK WITHOUT BEND OR
					966	STOOP OZ OBTAIN AND RETURN BOOK, BEND OR STOOP AT BOOK SHELF REQUIRED
FFE	U	MAA .	IAESPO1	SOHOHXX	VARIABLE	OBJECT, HANG ON HOOK STARTS-WITH BEND TO HOOKS IN STORAGE INCLUDES-ALL THE MOTIONS NECESSARY TO BEND AND GET HOOKS (FOUR), ARISE FROM BEND, TURN, PLACE HOOKS ON CART OR BENCH, GET HOOK AND PART (OBJECT), POSITION OBJECT TO HOOK, PLACE GOJECT ON HOOK, MOVE HOOK TO CHAIN, GET RING ON CONVEYOR, PLACE HOOK ON RING, RELEASE ENDS-WITH HOOK ON RING
						CONDITIONS-BASED ON GETTING FOUR HOOKS FROM STORAGE PER BEND
					414 165	CASE OL PLACE FIRST OBJECT ON HOOK OZ PLACE EACH ADDITIONAL OBJECT ON HOOK
<b>0</b>	Ù	MAL	BAHS	SCHPMXX	VARTABLE	PLYMOOD, MANMANDLE STARTS-WITH WALK 2 PACES TO PLYMOOD STACK INCLUDES-MOVEMENT OF SHEET(S) OF PLYMOOD AS FOLLOWS-FIRST WORKER SLIDES THE SHEET(S)TOWARD THE SECOND WORKER, THE SECOND WORKER GRASPS THE SHEET(S) AND BOTH WORKERS MOVE WITH THE SHEET(S) TO THE FORK BLADES, MAND CART OR OTHER
						STACK.BOTH MORKETS RELEASE THE SMEET(S) ON THE FORK BLADES, HAND CART OR OTHER STACK AND ALIGN IT MITH PREVIOUSLY PLACED SMEETS ENDS-WITH TURN FROM STACK
				• •		CONDITION-VALUES SHOWN APPLY TO EACH HOVEMENT OF SHEET(S) TO FORK BLADES, CART, OR STACK
					580 509 616 634	CASE OI SHEET(S),4X6 FEET OZ SHEET(S),4X8 FEET O3 SHEET(S),4X10 FEET O4 SHEET(S),4X12 FEET
FFE	u ·	MAA (	GECPMD1	SOMPRO1	123	PART, REMOVE WITH PRY TOOL STARTS-WITH REACH TO TOOL INCLUDES-ALL MOTIONS NECESSARY TO GET TOOL, POSITION UNDER PART, APPLY PRESSURE TO TOOL, GET PART, AND ASIDE PART ENDS-WITH ASIDE TOOL CONDITIONS-PART IS WIMIMALLY ENGAGED
NG		HAO L	LARR	SPAPAOL	<b>63</b>	PAINTIGREASE OR VARNISH). APPLY MITH BRUSH STARTS-MITH LOADED BRUSH IN MAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE BRUSH TO PART. COAT PARTITHREE STROKES WITH CARE AND SIX FRACTIONAL MOVES TO RETOUCH) ENDS-WITH COATING COMPLETE CONDITIONS-ONE-INCH STROKES WITH BRUSH USED

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TAU	OPERATION/ELEMENT DESCRIPTION
FFE	U	MAA	<b>6</b> SCPSA1	BPAPSXX	VARIABLE	PAINT.SPRAY STARTS-MITH DEPRESS TRIGGER INCLUDES-ALL THE NOTIONS NECESSARY TO MOVE A SPRAY GUN ACROSS SURFACE TO SPRAY ONE SQUARE FOOT ENDS-WITH RELEASE OF TRIGGER
					61 160	CONDITIONS—PAINT ONE SQUARE FOOT W/SPRAY GUN CASE O1 FLAT SURFACE O2 IRREGULAR SURFACE
NAA	U	MAA	JPAADSF	MPAPSXX	VARIABLE	PAINT.SPRAY STARTS-WITH SPRAY GUN IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO AIM SPRAY GUN, DEPRESS TRIGGER, DIRECT SPRAY UVER AREA, GET HOSE AND FLIP ASIDE, MOVE TO NEW AREA
					998	ENDS-WITH SPRAY GUN IN MAND CASE OI PAINT 10 SQUARE FEET WITH EPUXY PAINT OR ACRYLIC LACQUER, FOUR PASSES PER SQUARE FOOT, SPRAY WITH FOUR-INCH FAN
					593	02 PAINT 10 SQUARE FEET WITH EPOXY OR ACRYLIC PRIMER, THREE PASSES PER SQUARE FOOT, SPRAY WITH SIX-INCH FAN
•					978	03 PAINT 10 LINEAR FEET, CUT IN MATER LINE, FOUR PASSES PER LINEAR FOOT, SPRAY WITH 1 1/2—INCH FAN
FFH	U	MAA	KPABBAA	SPAAPXX	VARIABLE	PAINT, APPLY WITH BRUSH ATTACHED TO BOTTLE CAP STARTS-WITH REACH TO GET BOTTLE INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND HOLD BOTTLE WITH ONE HAND, REACH TO AND UN- SCREW CAP FROM BOTTLE WITH OTHER HAND, REMOVE BRUSH AND WIPE ON EDGE OF BOTTLE, HOVE BRUSH TO SPOT AND APPLY PAINT, RETURN BRUSH TO BOTTLE AND SCREW ON CAP, ASIDE BOTTLE
					235 80	ENDS-WITH ASIDE BOTTLE CASE OI FIRST APPLICATION 02 DIP BRUSH IN PAINT AND PAINT ADDITIONAL SPOT
PFE	<b>U</b> ,/	MAA	RLGSCP4	SPAPAXX	VARIABLE	PAINT, APPLY WITH BRUSH STARTS—WITH REACH TO GET PAINT BRUSH INCLUDES—ALL THE MOTIONS NECESSARY TO GET PAINT BRUSH AND DIP INTO PAINT, MOVE BRUSH FROM PAINT TO SURFACE TO BE PAINTED, BRUSH PAINT ON SURFACE WITH APPROXIMATELY EIGHT STROKES, ASIDE BRUSH ENDS—WITH ASIDE BRUSH CONDITIONS—PAINT ONE SQUARE FOOT OF SURFACE WITH 1 1/2 TO 2 1/2 INCH BRUSH, DIP BRUSH IN PAINT THREE TIMES PER SQUARE FOOT.
					307 349	CASE OI FIRST SQUARE FOOT OZ EACH ADDITIONAL SQUARE FOOT
PFE	<b>U</b>	MAA	GJPFPA9	MPHDAQ1	212	DOCUMENT, ATTACH TO ITEM WITH RUBBER BAND STARTS-WITH REACH TO PAPER DOCUMENT INCLUDES-ALL MOTIONS NECESSARY TO GET PAPER, POSITION TO SURFACE, ROLL PAPER, GET RUBBER BAND, POSITION PAPER AND BAND TO ITEM, AND STRETCH RUBBER BAND OVER PAPER AND ITEM ENDS-WITH RELEASE OF RUBBER BAND
ffE	U	, MAA	, GIMPB1	MPHDD01	139	DOCUMENT, DETACH FROM ITEM AND UNROLL, DOCUMENT SECURED MITH RUBBER BAND STARTS-WITH SIMO REACH TO DOCUMENT AND RUBBER BAND INCLUDES-ALL MOTIONS NECESSARY TO RELEASE DOCUMENT FROM ITEM BY REMOVING RUBBER BAND, PLACE DOCUMENT ON SURFACE, AND UNROLL AND HOLD DOCUMENT WITH HANDS ENDS-WITH HANDS ON DOCUMENT

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE	DWMSTD# ELEMENT		OPERATION/ELEMENT DESCRIPTION
FFE	ນ	MAA	GJPFPA7	MPHDRO3	275	DOCUMENT, REMOVE FROM BAG, UNFOLD, FOLD, AND REPLACE IN BAG STARTS-WITH REACH TO BAGIPLASTIC OR SIMILAR) INCLUDES-ALL MOTIONS NECESSARY TO GET BAG, REMOVE PAPER CLIP FROM BAG, REMOVE DOCUMENT FROM BAG, AND UNFOLD DOCUMENT; AND REGRASP DOCUMENT, FOLD DOCUMENT (ONE FOLD), PLACE DOCUMENT, FOLD DOCUMENT (ONE FOLD), PLACE ENDS-WITH BAG IN HAND CONDITIONS-DOCUMENT IN BAG IS EASILY GRASPED, NO INSERTION OF FINGERS IN BAG REQUIRED TO REMOVE DOCUMENT
FFE		MAA	GJPFPA6	MPHORO2	128	DOCUMENT, REMOVE FROM AND RETURN TO PLASTIC BAG STARTS—MITH REACH TO PLASTIC BAG INCLUDES—ALL MOTIONS NECESSARY TO GET BAG, REMOVE DOCUMENT, ASIDE BAG AND DOCUMENT; GET BAG, GET DOCUMENT, PLACE IN BAG, AND FOLD CORNER OF BAG ENDS—MITH BAG IN HAND CONDITIONS—DOCUMENT IN BAG IS EASILY GRASPED, NO INSERTION OF FINGERS IN BAG REQUIRED; NO TIME IS INCLUDED FOR FOLDING OR OTHERWISE PREPARING DOCUMENT FOR REPLACING IN BAG.
<b>FF</b> D	U	MAA	8PK0801	BPK 8001	25	BAG(PAPER), OPEN, PREPARATORY TO PLACE OBJECT IN BAG STARTS-WITH BAG IN ONE HAND AND FINGER OF OTHER HAND POSITIONED TO OPEN BAG INCLUDES-ALL HOTIONS NECESSARY TO INSERT FINGERS AND SPREAD OPEN ENDS-WITH BAG OPEN AND HELD IN BOTH HANDS CONDITION-APPLIES TO FLAT PAPER BAG
FFD	U	MAA	BPKCP01	BPKCCXX	VARIABLE 20 29	CONTAINER (PLASTIC) CLOSE, SNAP-ON LID STARTS-WITH ONE HAND ON CONTAINER AND LID IN OTHER HAND INCLUDES-ALL MOTIONS NECESSARY TO CLOSE CONTAINER WITH SNAP-ON LID TO 7-INCH DIAMETER ENDS-WITH ONE HAND ON CONTAINER AND ONE HAND ON LID CASE 01 LID, 1-4 INCHES DIAMETER 02 LID, 4-7 INCHES DIAMETER
FFD		MAA (	BPKOCXX	SPKCOXX		CAN. OPEN WITH STATIONARY CRANK TYPE CAN OPENER STARTS-WITH LEFT MAND ON CAN AND RIGHT HAND ON OPENER CUTTER HANDLE INCLUDES-ALL MOTIONS NECESSARY TO RAISE CUTTER. SLIDE CAN UNDER CUTTER, LOWER AND LOCK CUTTER, TURN CRANK TO OPEN CAN AND RAISE CUTTER TO RELEASE CAN ENDS-WITH LEFT HAND ON CAN AND RIGHT HAND ON OPENER CUTTER HANDLE
FFD	<b>U</b> .	MAA 6	PKOPO1	BPKCR01	178 226 39	CASE 01 OPEN CAN, 3-5 INCHES DIAMETER 02 OPEN CAN, 5-7 INCHES DIAMETER  COVER, REMOVE FROM PLASTIC CONTAINER, SNAP ON COVER, 1-7 INCHES DIAMETER STARTS-WITH ONE HAND ON CONTAINER AND OTHER
				• . •		HAND ON-LID INCLUDES—ALL MOTIONS NECESSARY TO APPLY PRESSURE AND DISENGAGE COVER ENDS—MITH: ONE HAND ON CONTAINER AND COVER IN OTHER HAND

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALU <del>!</del>	OPERATION/ELEMENT DESCRIPTION
FFD	U	MAA	BPKGEXX	BPKEUXX	VARIABLE	ENVELOPE.OPEN BY TEARING END STARTS-WITH ENVELOPE IN HANDS AND IN POSITION TO TEAR
				-		INCLUDES ALL NOTIONS NECESSARY TO TEAR
4						ENDS-WITH ENVELOPE IN ONE HAND AND TORN OFF
						CONDITION-LIMITED TO PARTS ENVELOPES MADE UF PAPER OR SIMILAR MATERIAL WITH NORMAL TEAR RESISTANCE
					24 28	CASE O1 ENVELOPE.1-5 INCHES WIDE O2 ENVELOPE.5-9 INCHES WIDE
FFD	<b>.</b> .	MAA	BPKJC01	RPK JCOL	62	JAR.CLOSE, SCREW TYPE LID STARTS-WITH JAR IN ONE HAND AND THE LID IN THE OTHER HAND POSITIONED, READY TO START INCLUDES-ALL MOTIONS NECESSARY TO SCREW LID ON JAR
						ENDS-WITH ONE HAND ON JAR AND ONE HAND ON LID CONDITION-LIMITED TO JARS WITH SCREW TYPE LID THAT CAN BE CLOSED WITH ONE HAND WHILE HOLDING JAR WITH OTHER HAND
FF	U .	MAA	8PKJ001	8PKJ001	66	JAR. OPEN, SCREW TYPE LID STARTS-WITH ONE HAND ON JAR AND OTHER HAND ON LID
						INCLUDES-ALL MOTIONS NECESSARY TO UNSCREW LID BY HAND
						ENDS-WITH LID UNSCREWED.STILL IN HAND, AND
						CONDITION—LIMITED TO JARS WITH SCREW TYPE LID THAT CAN BE OPENED WITH ONE HAND WHILE HOLDING JAR WITH OTHER HAND
FFD	U	MAA	BPKCTXX	BPKTCXX	VARIABLE	TAPL.CUT WITH KNIFE TO OPEN PACKAGE.BOX.ETC. STARTS-WITH KNIFE IN HAND NEAR STARTING PUINT AND OTHER HAND ON PACKAGE
						INCLUDES-ALL MOTTONS NECESSARY TO INSERT KNIFE AND MAKE UNE CUT ENDS-WITH KNIFE IN ONE HAND AND OTHER HAND ON
					52	PACKAGE CASE OL CUT TO 6 INCHES IN LENGTH
					58 62	OZ CUT 6-12 INCHES IN LENGTH O3 CUT 12-18 INCHES IN LENGTH
			•		66	04 CUT 18-24 INCHES IN LENGTH 05 CUT 24-30 INCHES IN LENGTH
				•	69	06 CUT 30-36 INCHES IN LENGTH
FFD	U	MAA	MPKOBXX	MPKBOXX	VARIABLE	BOX, OPEN STARTS-WITH REACH TO BOX INCLUDES-ALL MOTIONS NECESSARY TO GET BUX IN POSITION AND OPEN FLAPS ENDS-WITH HANDS ON FLAPS
					100	CASE OI FLAP TYPE BOX. NOT SEALED. NOT INTERLUCKED. LARGEST DIMENSION OF BOX TOP UP TO 6 INCHES
					112	OZ FLAP TYPE BUX-NOT SEALED-NOT INTERLOCKED-LARGEST DIMENSION OF BOX TOP 6-12 INCHES
					97	O3 BOX, TUCK IN TYPE LID, HINGED ACTION ON ONE SIDE, NOT SEALED, BOX UP TO 6 INCHES WIDE AND 12 INCHES LONG
					192	04 BOX, SEALED WITH TAPE, TUCK IN TYPE LID, HINGED ACTION ON ONE SIDE, NO TAPE ON ENDS, MAXIMUM DIMENSIONS—6X12 INCHES (INCLUDES TIME FOR CUTTING TAPE WITH KNIFE)

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT		OPERATION/ELEMENT DESCRIPTION
FFO	U	MAA	MPKT6XX	HPKSTXX	VARIABLE	BAG(PAPER). TEAR TO OPEN STARTS-WITH REACH TO BAG INCLUDES-ALL MOTIONS NECESSARY TO GET BAG AND TEAR ACROSS TOP
					86 90 94 98	ENDS-HITH BAG IN MAND CASE OI TEAR BAG, UP TO 6 INCHES ACROSS TOP OZ TEAR BAG, 6-12 INCHES ACROSS TOP O3 TEAR BAG, 12-18 INCHES ACROSS TOP O4 TEAR BAG, 18-24 INCHES ACROSS TOP
NAA	U	MAA	OPKCHXX	MPKCCXX	VARIABLE	CANIMERMETICALLY SEALED), CLOSE OR OPEN STARTS-MITH REACH TO CAN INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE MINDING KEY FROM CAN, UNWIND STRIP WITH KEY, ASIDE STRIP AND LID; OR REPLACE LID ON CAN AND SEAL WITH HAND PRESSURE ENDS-WITH LID IN PLACE CONDITION-HERMETICALLY SEALED, KEY WIND CAN TO TWO POUNDS CAPACITY
	•		,		917 205	OZ CLOSE CAN WITH KEY
FFD	ų.	MAA	MPKOCXX	MPKCOXX	VARIABLE	CAN(METAL). OPEN WITH STATIONARY CRANK TYPE CAN OPENER, EMPTY CONTENTS, AND ASIDE CAN STARTS-WITH REACH TO CAN INCLUDES-ALL MOTIONS NECESSARY TO GET CAN, OPEN WITH CRANK TYPE OPENER, EMPTY CAN AND PLACE CAN
						ENDS-WITH RELEASE OF CAN
				•	•••	CONDITION-EACH CASE INCLUDES A CONSTANT VALUE OF 182 THU FOR OPENING CAN WITH CAN OPENER (SOURCE CODE MPK-OC-C1), CAN DIAMETER 3-5 INCHES
					242 258 276	CASE O1 OPEN AND EMPTY—ASIDE CAN 3—9 INCHES O2 OPEN AND EMPTY—ASIDE CAN 9—15 INCHES O3 OPEN AND EMPTY—ASIDE CAN 15—21 INCHES
MAA	U	NAA :	OPKCSXX	MPKCSXX	VARIABLE	CAN, SCREW CAP ON AND OFF STARTS-WITH REACH TO CAN INCLUDES-ALL THE MOTIONS NECESSARY TO UNSCREW CAP BY HAND, SELECT TOOL TO REMOVE METAL SEAL WHEN REQUIRED AND PIERCE AND REMOVE SEAL, RE- PLACE CAP, TIGHTEN WITH HAND PRESSURE
					211 378	ENDS-WITH CAP IN PLACE  CASE OI WITHOUT SEAL TO ONE GALLOW CAPACITY
		. •			290 457	02 WITH METAL SEAL TO ONE GALLON CAPACITY 03 WITHOUT SEAL TO FIVE GALLON CAPACITY 04 WITH METAL SEAL OVER ONE GALLON TO FIVE GALLON CAPACITY
NO	<b>u</b>	MAD (	LTUŅ1F1	#PK0001	170	DRUM(STORAGE).OPEN STARTS-WITH REACH TO LID WITH BOTH HANDS INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP LID WITH BOTH HANDS,ROCK LID TO LOOSEN.DIS- ENGAGE LID FROM DRUM.PLACE LID ASIDE,RELEASE ENDS-WITH LID ASIDE
MAA	<b>u</b>	MAA (	opkeoxx	MPKEOXX		ENVELOPE(PARTS), OPEN AND REMOVE CONTENTS STARTS-WITH REACH TO ENVELOPE INCLUDES-ALL THE MOTIONS NECESSARY TO READ NOMENCLATURE TO VERIFY CONTENTS, TEAR ENVELOPE WITH CARE AND EXTRACT A SINGLE OBJECT ALSO INCLUDES MOTIONS TO EXTRACT EACH ADDITIONAL OBJECT ENDS-WITH LAY ASIDE OBJECT
					266 68	CASE O1 FIRST OBJECT O2 EACH ADDITIONAL OBJECT

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
FFD	U	MAA	MPKJCXX	MPK JCO1	109	JAR, CLOSE, LID SCREWED ON HAND TIGHT STARTS-MITH REACH TO LID INCLUDES-ALL MOTIONS NECESSARY TO GET LID, IIGHTEN ON JAR HAND TIGHT, AND PLACE JAR AS IDE ENDS-WITH RELEASE OF JAR CONDITION-LIMITED TO JARS WITH SCREW TYPE LIDS THAT CAN BE CLOSED WITH ONE HAND WHILE HOLDING JAR WITH OTHER HAND
FFD	U	MAA	MPKJOXX	MPKJ001	113	JAR. OPEN, SCREM TYPE LID STARTS-WITH REACH TO JAR INCLUDES-ALL MOTIONS NECESSARY TO GET JAR: UNSCREW, REMOVE, AND PLACE LID ASIDE ENDS-WITH RELEASE OF LID CONDITION-LIMITED TO JARS WITH SCREW TYPE LIDS THAT CAN BE REMOVED WITH ONE HAND WHILE HOLDING JAR WITH OTHER HAND
FFO	U	<b>MAA</b>	HPKCL01	MPKLC01	306	LID, CLOSE, PRY OPEN TYPE CAN TO 6 INCHES DIAMETER STARTS-HITH REACH TO LID INCLUDES-ALL MOTIONS NECESSARY TO GET LID, PLACE ON CAN, GET HAMMER, TAP LID TO SEAT, AND PLACE HAMMER AND CAN ASIDE ENDS WITH RELEASE OF CAN
NF	U	MAF	3176	MPKL (O1	160	LID, INSTALL ON CAN STARTS—WITH REACH TO LID INCLUDES—ALL THE MOTIONS NECESSARY TO OBTAIN LID, PLACE ON TOP OF CAN, POSITION AND APPLY PRESSURE ENDS—MITH RELEASE OF CAN
FFE	U	MAA	GJPLAA1	MPKL 102	1016	LID, INSTALL AND SEAL ON FIVE-GALLON CONTAINER, 16 PRY TABS STARTS-WITH GET HAMMER INCLUDES-ALL MOTIONS NECESSARY TO BEND TO CONTAINER, GET LID, PLACE ON CONTAINER, PLACE FOOT ON LID TO HOLD, STRIKE EACH TAB THREE BLOWS TO SEAL LID, REMOVE FOOT FROM LID, AND ARISE ENOS-WITH ASIDE HAMMER
FFD	U	MAA	MPKOLQ1	MPKLP01	382	LID.PRY OFF CAN TO 6-INCH DIAMETER STARTS-WITH REACH TO CAN INCLUDES-ALL MOTIONS NECESSARY TO GET CAN, MOVE INTO POSITION, GET TOOL, PRY OFF LID, AND PLACE TOOL AND LID ASIDE ENDS-WITH RELEASE OF LID AND TOOL
AF	U	CAN	8XRTOO1	MPK L RO I	45	LID(80X), REMOVE STARTS—WITH REACH TO BOX TOP INCLUDES—ALL THE NOTIONS NECESSARY TO GRASP TOP AND LIFT ASIDE TO TABLE ENDS—WITH RELEASE OF LID CONDITIONS—TOP LOOSE ON BOX—DOES NOT INCLUDE RELEASE OR REMOVE FASTENERS
FFE	u	MAA	GJPLDAL	MPKLROZ	2 744	LID.REHOVE FROM FIVE-GALLON CONTAINER, 16 PRY TABS STARTS-WITH GET SCREWDRIVER INCLUDES-ALL MOTIONS NECESSARY TO BEND TO CONTAINER, PRY TABS OUT WITH SCREWDRIVER, REMOVE AND ASIDE LID AND ARISE ENOS-WITH ASIDE SCREWDRIVER

DATA Source		QUALITY	SOURCE	DWMS1UP ELEMENT	TMU VAL IJ!	UPFRATIUN/ELEMENT DESCRIPTIUN
FFE	U	MAA	GPKBU12	4PKOLIO3	178	URJECT.UNARAP STARTS-WITH PEACH TO GET SMALL WRAPPED UBJECT INCLUDES-ALL THE MUTIONS NECESSARY TO PUT INJECT IN PUSITION TO UNWRAP.REMOVE PAPER FROM UBJECT FROMS-WITH ASIDE PAPER CONDITIONS-PAPER WRAPPED UBJECT NOT EXCEEDING 2.5 POUNDS AND LARGEST DIMENSION UGES NOT EXCEED 12 INCHES
FFD	J	<b>MAA</b>	MPKUSO1	MPKSC01	158	STRING, CUT AND UPEN BAG STARTS-WITH REACH TO BAG INCLUDES-ALL MOTIONS NECESSARY TO GET BAG, CUT DRAWSTRING, AND OPEN BAG ENDS-WITH BAG IN HAND CONDITION-APPLIES TO BAG WITH DRAWSTRING WITH OPENING UP TO 6 INCHES
₽ <b>₽</b> D	U	MAA	MPKEEXX	TPKEUXX	TAHLE	ENVELOPE, UPEN, EMPTY, AND ASIDE STARTS-WITH REACH TO ENVELOPE INCLUDES-ALL MOTIONS NECESSARY TO GET ENVELUPE. TEAR OPEN, EMPTY CONTENTS, AND PLACE ENVELUPE ASIDE ENDS-WITH RELEASE OF ENVELOPE CUMBITION-EACH CASE INCLUDES CONSTANT TIME FOR TEARING ENVELUPE (IPEN (SOURCE CODE MPK-EE-CX) WIDTH OF ENVELOPE(INCHES)
						DISTANCE FOR GET AND ASIDE 1-5 5-9 ENVELOPE(INCHES)
						A 8 3-9 A 136 150 9-15 R 148 162 15-21 C 160 174
FFD	U	MAA	MPKOBXX	TPRTCXX	TABLF	TAPE, CUT TU UPEN BIJX, TAPE ON THU SIDES AND MIDULE UF HOX TOP  STARTS—WITH REACH TO BOX INCLUDES—ALL MUTIONS NECESSARY TO HOVE BOX IN PUSITION, GET KNIFE, CUT TAPE, LAY KNIFE ASIDE, UPEN THO FLAPS, TURN BOX 90 DEGRELS, AND UPEN THO FLAPS ENDS—WITH HANDS UN FLAPS CONDITIONS—IF REQUIRED, MEIGHT FACTORS MUST BE AUDED TO THIS ELEMENT  LARGEST DIMENSION OF BOX (INCHES) HETGHT TO 6 6—12 12—18 18—24 24—30 UF ROX A B C D E INCHES TO 9 A 306 352 392 446 475 9—15 8 313 364 400 454 488 15—21 C 321 373 413 467 498 21—27 D 339 385 423 477 506
OFF	ú	MAA (	GJRLRA1	SPKCOXX \	/ARIABLE	CAN. OPEN AND CLUSE, PRY TYPE LID TO SIX INCHES DIAMETER STARTS-WITH REACH TO CAN INCLUDES-ALL MOTIONS NECESSARY TO GET CAN, POSITION, GET TOOL, PRY OFF LID, ASIDE LID AND TMIL, GET LID, POSITION ON CAN ENDS-WITH ASIDE CAN
					5 <b>42</b>	CASE OF OPEN AND CLOSE CAN, HAMMER USED TO TAP LID TO SEAL CAN OZ HPEN AND CLOSE CAN, LID SEALED BY PRESSING WITH HANDS

DATA SOURCE	OCCUP- AT ION	QUALITY	SOURCE	DWMSTDP ELEMENT	TMU VALUE	UPERATION/ELEM	ENT	r Di	ESCI	LIPTI	GN			
MAA	u	MAA	MPLXXXX	TPLOGXX	TABLE	OBJECT.GET.PLACE TO STARTS-WITH REACH INCLUDES-ALL MOT OF AN OBJECT, OBJECT ASIDE ENDS-WITH RELEASE	i TC ION: IOV!	0 0 N 5 N 5 O	1918( 1928( 1918(	SARY ST TO	/ TB	GET (	MIVE	L THE
						CONDITIONS—COLUM THAN ONE INCH RANGE, COMPUTE NOVES.	A P	08	TAI	ES TU N CDI	KREC	r dis	TANCE	
							F	1		TANC! 3-9 C	E RAI	15 1	NCHES) 5—21 E	21 <b>-</b> 27 F
							EA	SY	GRA	SP				
						PLACE TO USE				31	43		55	68
						VARIABLE A LOOSE 8	18		26	40	53		66	80
						CLOSE C	28 55		36 53	51 77	63 90		77 03	91 118
						51.400 FB 1100	JU	MBI	LED	GRAS	P			
						PLACE TO USE VARIABLE E	17	, ,	27	39	51		64	76
						LOOSE F	25		35	48	61		75 86	56 99
							62		72	59 85	71 98		12	126
NAA	U	MAA .	XPLXXXX	TPLOPXX	TABLE	OBJECT-PLACE WITH POSITION MOTIONS U STARTS-WITH THE PLACED	HAN	IG 1	THE DN T	HE O	BJEC	T TO	BE	
						INCLUDES—ALL MOT AND/OR PLACE LOCATION	THE	0	BJEC	T IN	THE	TRAN DESI	ISPORT IRED	
						ENDS-WITH THE HA CONDITIONS-DISTA TO POSITION O B APPLIES TO	INCE	R. PCT	ANGE S OA	COL	NPU.	NO M	JAE! COI	LUMN
						DESCRIPTION			F	1-2	3-9	9-15	CHES ) 15-21 F	21 <b>-</b> 27 G
						APPROZIMATE	E							
		·				LOCATION NO PRESSURE WITH PRESS.	A B		2 13	5 15	9 20	13 24	17 28	21 31
						NOT SYM.	C D			11 14		21 24	26 30	31 35
						CLOSE FIT Symmetrical Not Sym.			18 22	21 25	27 30	31 35	37 40	42 45
						EXACT FIT Symmetrical Not Sym.	-		45 49	48 52	53 57	58 62	63 67	69 72
						PLACE TO OTHER HAND	J	6	8	9	14	19	23	28
						START THREADED FASTENER	. •		26	29	34	39	44	49
						VISIBLE BLIND	Ĺ		60	63	68	73	78	83

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU	OPERATION/ELEMENT DESCRIPTION
FFH	ď	TAA	RPAACA4	MPTNC01	67	NOZZLE(AEROSOL PAINT SPRAY CAN), CLEAR STARTS-MITH FINGER ON BUTTON, CAN INVERTED INCLUDES-ALL THE MOTIONS NECESSARY TO PRESS BUTTON, SPRAY PAINT TO CLEAR NOZZLE ENDS-WITH NOZZLE CLEARED, FINGER ON BUTTON
ff.	U	TBA	BRDNRXX	BRODRXX		DIGIT(S)(MIXED MUMBER).READ & RETAIN STARTS-WHEN VISION FALLS ON NUMBER INCLUDES-FOCUSING ON AND READING NUMBER ENDS-WHEN EYE COMPLETES READING NUMBER CONDITIONS-EXCLUDES EYE TRAVEL TO AND FROM NUMBER
					19	CASE OI READ FIRST DIGIT OZ READ EACH ADDITIONAL DIGIT
NF	IJ	MAF	2591	BRDILOL	98	ITEM, LOCATE IN COLUMN STARTS-MITH BOOK OPEN TO DESIRED PAGE AND EYES AT REST ON COLUMN INCLUDES-ALL MOTIONS NECESSARY TO PLACE FINGER ON PAGE, SCAN DOWN THE COLUMN, AND SELECT AND READ THE DESIRED ENTRY ENDS-MITH MOVE HAND FROM PAGE CONDITION-APPLICABLE TO PAGE CONTAINING COLUMNS OF APPROXIMATELY 50 ITEMS EACH SUCH AS A PARTS CATALOG
FFF		TBA	er dhrxx	BRDHRXX	12 5 55 7	MUMBER, READ, FIRST OR ADDITIONAL, NO EYE TRAVEL STARTS-IMEN EYE (VISION) FALLS ON NUMBER INCLUDES-FOCUSING EYE ON, READING, AND RETAINING NUMBER ENDS-IMEN EYE COMPLETES READING NUMBER(S) CONDITION-ALL NUMERICS CASE OI FIRST DIGIT OF A NUMBER WITH ONE THROUGH FIVE DIGITS  O2 EACH ADDITIONAL DIGIT OF A NUMBER WITH ONE THROUGH FIVE DIGITS  O3 FIRST SIX DIGITS OF A NUMBER WITH SIX THROUGH TWELVE DIGITS  O4 EACH ADDITIONAL DIGIT OF A NUMBER WITH SIX THROUGH TWELVE DIGITS
FFF	u	MAA	SROW FOL	SEDMIO1		MORD.READ.INDIVIDUAL WORD.ALPHA NUMERIC.OR MUMBER TO TRANSPOSE STARTS-WTIH EYES IN PLACE BUT NOT FOCUSED INCLUDES-EYE FOCUS ONLY ENDS-WITH EYES IN FOCUS CONDITIONS-ALLOW ONE OCCURRENCE FOR EACH NUMBER OF ONE THROUGH FIVE DIGITS OR FOR EACH SERIES OF FIVE DIGITS IN LARGE MUMBERS. ALLOW ONE ADDITIONAL OCCURRENCE FOR REMAINING DIGITS IN A LARGE NUMBER.IF LESS THAN FIVE.
NAA	ц	MAA	Browsol	BRDWSO1	5	WORD(SEQUENCE), READ, PER MORD STARTS-WITH FIXATION OF THE EYES INCLUDES-MOVEMENT OF THE EYES AND FOCUSING TO PERCEIVE READILY DISTINGUISHABLE MORDS ENDS-WITH COMPLETION OF MOVEMENT AND FIXATION OF THE EYES CONDITION-LIMITED TO NORMAL LETTERS AT NORMAL READING DISTANCE FROM THE EYES AND TO READING AVERAGE PROSE
NF	u	MAF ;	2608	MRDPFOL	214	PAGE,FIND,IN MANUAL STARTS-REACH TO BOOK OR MANUAL INCLUDES-ALL MOTIONS NECESSARY TO OPEN BOOK TO DESIRED PAGE ENDS-WITH BOOK OPEN

DATA SOURCE		GAVTILA	SOURCE CODE	DUMSTOP ELEMENT	THU				T DESCA		٠.	
68	U	TOA	TRONAXX	TRODAXX	TABLE	DIGIT(S).AL	PHA-	NUMER I	C.READ	& RETAI	IN	
•••	•					STARTS-W INCLUDES	ftu C	CVE TOI	VFL TO	NUMBER Umber Al	ND READI	NG
						NUMBE: ENDS—WHE	R N EYE	COMPL				
						CONDITIO	N-ALS	ORIGIN O APPL	IES TO	READIN	G DECIMA	L AND
						COMMO	N FR	ACTIONS	DISTAN	CE EYE	TRAVEL	
•								0	5	N INCHE	5 <i>1</i> 15	20
				•		DIGIT		Ä	É	Č	D	E
						1	A	19	36	52	69 78	86 95
						2	8	28	45 54	61 70	87	104
						3	C	37 46	63	79	96	113
		*				5	Ē	55	72	88	105	122
			•			6	F	64	81	97	114	131 140
						7	G	73	90	106	123	170
FF	v	TBA	TRONAXX	TROONXX	TABLE	DIGIT(S).A TO & FROM STARTS—N	NUMB	ER Eve to	AVEL TO	NUMBER	ļ	ING
						INCLUDES	- 0					
						ENDS-WHE	EN EY	E COMP	LETES F	READING	AND RET	URNS TO
					•	POINT	OF	ORIGIN		STANCE	EYE TRA	
						DIGI	T C	J	5	10	15	20
						REAL		Ā	8	C	D	E
						1	A	12	22	32	42	52 57
						2	В	17	27 32	37 42	47 52	62
						. 3 4	C	22 27	37	47	57	67
						5	E	32	42	52	62	72
						6	F	55	74	92	111	130 137
						. 7	G	62	81 88	99 106	118 125	144
						8 9	H	69 76	95	113	132	151
						10	ĸ	83	102	120	139	158
						11	L	90	109		146 153	165 172
						12	M	97	116	134	199	• • •
FF	U	TBA	TRONVXX	TRONAXX	TABLE							
						STARTS-	WITH	EYE T	RAVEL T	O FIRST	DOCUME	NI FROM
						SECO	ND D	DCUMEN'	I RFR ON	DNE DOC	UMENT A	ND LOOK
						**	ECON	n nncii	MENT AN	ID REAU	NURBER	
								wee ON	CECONT	N SOCUME	NT AT L	UN-
						PLET	LON	OF REA	DING SE	COND NU	ING DEC	IMAL AND
						CONDITI	TON E	RACTIO	NS			
						gom.			DIST		TRAVEL	
								0.505	10	IN INCH	(ES) 20	
		•						BERS	, W	8	С	
								1 A	71	88	105	
								2 B	89	106	123 141	
								3 C 4 D	107 125	124 142	159	
								5 E	143	160	177	
								6 F	161	178	156	
								7 G	179	196	213	

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FF	ŭ	TRA	TRONVXX	TRONNXX	TABLE	NUMBER(S). NUMERIC. READ & VERIFY. EYE TRAVEL FRUM DOCUMENT TO DOCUMENT STARIS-WITH EYE TRAVEL TO FIRST DOCUMENT FROM SECOND DOCUMENT INCLUDES-READ NUMBER ON ONE DOCUMENT AND LOOK
						TO SECOND DOCUMENT AND READ NUMBER ENDS-WITH EYES ON SECOND DOCUMENT AT COMPLET- ION OF READING SECOND NUMBER DISTANCE EYE TRAVEL (IN INCHES)
						DIGITS 10 15 20
						READ A B C
						1 A 44 54 64
						2 B 54 64 74
						3 C 64 74 84
						4 D 74 84 94
						5 E 84 94 104
						6 F 147 166 185
						7 G 161 180 199
				•		8 H 175 194 213 9 J 189 208 227
						11 L 217 236 255 12 M 231 250 269
						15 4 531 530 504
OL	IJ	MAL	BCRP	TRDSSXX	TABLE	SHEET(S).SCAN FOR FAMILIAR REFERENCE POINT(S). LETTER SIZE SHEETS
						STARTS-WITH THE EYES MOVING TOWARD THE FIRST
						SMEET TO BE SCANNED
						INCLUDES-SCANNING SHEET(S), TURNING SHEET(S),
						AND IDENTIFYING THE POINTS OF REFERENCE
						ENDS-WHEN THE LAST SHEET IS SCANNED AND TURNED OVER
			•			CONDITIONS-DOES NOT INCLUDE READING THE
						IDENTIFIED INFORMATION, MAKING ANY TYPE OF EDIT
						DR CHECK MARK, WRITING, ETC.
						REFERENCE POINTS IDENTIFIED
						NUMBER OF 0 1 2 3 4 SHEETS
						SCANNED A B C D E
						1 A 17 31 45 60 74
						2 8 51 66 80 94 109
						3 C 86 100 115 129 143
						133 149 164 178
						170 212
			•			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
						8 H 259 273 288 302 316
						9 J 294 308 322 337 351
						10 K 328 343 357 371 385

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	TMU	OPERATION/ELEMENT DESCRIPTION
NAA	U	MAA	OSTCAXX	MSTCSXX	VARIABLE	COAT.SPRAY(AEROSOL) STARTS-MITH REACH TO AEROSOL SPRAY CAN INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE
		÷				CAP OR COVER FROM CAN, SHAKE CAN, POSITION FOR USE, ACTUATE BUTTON TO COAT A SPOT OR AREA,
				1		TAMEST CAN ACTUATE AUTION TO BLOW VEHICLE PROT
						TUBE-REPLACE CAP OR COVER AND ASIDE CAN-ALSO INCLUDES MOTION TO COAT AN ADDITIONAL SPOT OR
		•				AREA AS NECESSARY
						EMPCAMITH CAN ASIDE
			. *	,		CONDITIONS—APPLIES TO UNDESTRUCTED SURFACE TREATMENT WITH PRIMER, RUST INHIBITOR, DRI-LUB,
						LACOUSE OR STATE AR SURSTANCE-DOES NOT INCLUDE
					•	TIME FOR AGITATION OF NEW ISSUE OR EQUIVALENT CONDITION AEROSOL CAN
		٠			517	CASE OI SPOT(BOLT HEAD, RIVET, NUT, AREA TO TWO SQUARE INCHES)
					551	O2 STRIP.LINEAR,1X12 INCHES O3 AREA,SURFACE—ONE SQUARE FOOT
			٠		1260 65	O4 ADDITIONAL SPOT
					109	OS ADDITIONAL STRIP(1X12 INCHES)
					776	06 ADDITIONAL SURFACE AREA(PER SQUARE FOOT)
FFD		MAA	ATERMXX	ATFFMXX	VARI ABLE	FASTENER(THREADED) TURN WITH FINGER MOVE ONLY
FFU	•	700				STARTS-WITH MAND ON FASTENER INCLUDES-ALL THE TIME NECESSARY TO MOVE
						FINGERS TO TURN A FASTENER
						ENDS-WITH HAND ON FASTENER CONDITION-APPLIES TO BOLT, SCREW, NUT, OR HAND
			,			KNOB TO 4 INCHES IN DIAMETER
					3	CASE OI HOVE UP TO 1.5 INCHES  OZ HOVE 1.5 INCHES TO 2.5 INCHES
					5	O3 MOVE 2.5 INCHES TO 3.5 INCHES
FFD	u	MAA	BTFFSXX	BTFFSXX	VARIABLE	FASTENER(THREADED).TURN BY SHIFT GRASP AND
PPU	•		•••••			MOVE WITH FINGERS STARTS-WITH HAND ON FASTENER
						THE THE THE TIME NECESSARY TO TURN THE
						FASTENER BY SHIFTING GRASP AND MOVING FINGERS ENDS-WITH HAND ON FASTENER
					. 10	CASE O1 MOVE UP TO 1.5 INCHES
					12	O2 MOVE 1.5 TO 2.5 INCHES O3 MOVE 2.5 TO 3.5 INCHES
					14	
FFD	บ	MAL	BTFFTXX	BTFFTXX	VARIABLE	FASTENER(THREADED), TURN WITH FINGER, PER THREAD
						STARTS-WITH HAND ON FASTENER
						INCLUDES-ALL THE MOTIONS NECESSARY TO TURN A FASTENER ONE THREAD
			•			EMPS-WITH HAND ON FASTENER
	•					CONDITIONS—TO DETERMINE CORRECT CASE USE THE DIAMETER OF THE OBJECT AT THE POINT OF CONTACT WITH HAND
					4	CASE O1 UP TO 0.25 INCHES 0.0.
					11	02 0.25 INCHES TO 0.75 INCHES 0.D. 03 0.75 INCHES TO 1.75 INCHES 0.D.
					23 37	04 1.75 INCHES TO 3.25 INCHES O.D.
FFH	U	MAA	BTFPFXX	BTFNPO	32	NUT.POSITION ON STUD STARTS-WITH RELEASE OF WASHER PREVIOUSLY
						POSITIONED ON STUD
						INCLUES-ALL THE MOTIONS NECESSARY TO UNPALM NUT AND POSITION ON A STUD
						ENDS-WITH NUT ON STUD READY TO START
AF	U	MAD	MOE3E	BTFNPO	2 57	NUT(SMALL).POSITION AND ENGAGE ON BOLT STARTS-WITH MOVE NUT TO BOLT
	-		•			INCLUDES—ALL THE MOTIONS NECESSARY TO ENGAGE
						A NUT ON A BOLT PRIOR TO RUN DOWN
					•	ENDS-WITH HAND ON NUT

DATA SOURCE		QUALITY	SOURCE	OWMSTDI ELEMENT		OPERATION/ELEMENT DESCRIPTION
PFO		MAA	BTFSBX	( OTFSOX)	60 63 68 73 78 83	FASTEMERITHREADED), START(BLIND) STARTS-MITH OBJECT UNDER CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE AND BLIND POSITION AN OBJECT AND ENGAGE THREAD ENDS-WITH THE ENGAGEMENT OF THE THREAD CASE 01 MOVE TO POSITION—FRACTIONAL 02 MOVE TO POSITION 1-3 INCHES 06 MOVE TO POSITION 3-9 INCHES 12 MOVE TO POSITION 9-15 INCHES 18 MOVE TO POSITION 15-21 INCHES 24 MOVE TO POSITION 21-27 INCHES
		MAA	BTFS \$01			FASTENER(THREADED), SPIN STARTS-WITH HAND NEAR FASTENER INCLUDES-ALL THE MOTIONS NECESSARY TO REACH BACK AND MOVE FINGERS FORWARD CONTACTING FASTENER TO TURN IT ENDS-WITH MAND NEAR FASTENER CONDITIONS-FASTENER MUST TURN FREELY
FFD .	U	MAA	BTFSVXX	STFSVXX	VARIABLE 26 29	FASTEMER(THREADED).START(VISIBLE) STARTS-WITH OBJECT UNDER CONTROL INCLUDES-ALL THE HOTIONS MECESSARY TO MOVE AND POSITION OBJECT AND ENGAGE THREAD ENDS-WITH THE ENGAGEMENT OF THE THREAD CASE OI MOVE TO POSITION-FRACTIONAL
					34 39 44	02 MOVE TO POSITION 1-3 INCHES 06 MOVE TO POSITION 3-9 INCHES 12 MOVE TO POSITION 9-15 INCHES
					49	18 MOVE TO POSITION 15-21 INCHES 24 MOVE TO POSITION 21-27 INCHES
<b>##0</b>	u	MAA	otptad1	STFTMOL	16	FASTEMER(THREADED), TIGHTEN OR LOOSEN STARTS-WITH HAND ON FASTEMER INCLUDES-ALL THE MOTIONS NECESSARY TO APPLY PRESSURE TO TIGHTEN OR LOOSEN A THREADED FASTEMER ENDS-WITH HAND ON FASTEMER
FFQ	U	MAA	ttp imak .	BTFWAQL	24	MASMER.ALIGN TO NUT BEFORE STARTING TO POSITION ON BOLT/SCREW  STARTS-WITH WASHER AND NUT IN CLOSE PROXIMITY IN SEPARATE HANDS INCLUDES-ALL THE NOTIONS NECESSARY TO BRING WASHER AND NUT TOGETHER IN PROPER ALIGNMENT ENOS-NUT AND WASHER TOGETHER CONDITIONS-PLAIN, LOCK OR TAB WASHER TO 1 1/4
FFD	U	<b>NAA</b> 1	TFIMXX	<b>ВТРЫРЖ</b> Х	VARTABLE 26 35	INCHES I.D.  WASHER.PLACE ON SCREW OR BOLT STARTS-WITH WASHER AND OTHER OBJECT IN SEPARATE HANDS IN CLOSE PROXIMITY INCLUDES-ALL THE MOTIONS NECESSARY TO PLACE ON AND SEAT A MASHER ENDS-WITH WASHER SEATED COMDITIONS-PLAIN,LOCK OR TAB WASHERS TO 1 1/4 INCHES I.O. CASE OI PLACE ON SCREW OR BOLT TO ONE INCH LONG  02 PLACE ON SCREW OR BOLT 1-3 INCH LONG
PPD (		MAA 8	Tewnex	STFWRXX (	7AR I ABLE 59 53 46	FASTENER(THREADED), TURN WITH MRIST, PER REVOLU- TION STARTS-WITH HAND ON FASTENER INCLUDES-ALL THE MOTIONS NECESSARY TO TURN A FASTENER ONE REVOLUTION ENDS-WITH HAND ON FASTENER CASE 01 TURN 90 DEGREES 02 TURN 120 DEGREES 03 TURN 180 DEGREES

FFD U MAA BTFWXXX VARIABLE  FFD U MAA BTFWXXX VARIABLE  FFF U MAA IOTAPA3 MTFCIXX VARIABLE  FFF U MAA IOTAPA3 MTFCXXX VARIABLE  FF STRTXS—MITH MOVERENT OF HAMO TOMARO FASTART VISIBLE)  FFF U MAA IOTAPA3 MTFCXXX VARIABLE  FASTEMENT THREADEDI, GCT CASY) AND START VISIBLE INCOMENT OF HAMO TOMARO FASTART MTT MOVERENT OF HAMO TOMARO FASTART MTT MOVER MTT OF HAMO TOMARO FASTART MTT MOVER MTT OF HAMO TOMARO FASTART MTT MAT TOMARO	
FFD U MAA BTFWTXX BTFWTXX VARIABLE  FASTEMER(THREADED), TURN WITH WRIST STARTS—WITH HAND ON FASTEMER INCLUDES—ALL THE ROTIONS NECESSARY TO TURN A FASTEMER A PARTIAL REVOLUTION ENDS—WITH HAND ON FASTEMER CONDITIONS—TURN 90 DEGREES O2 TURN 90 DEGREES O2 TURN 90 DEGREES O2 TURN 120 DEGREES O2 TURN 120 DEGREES O3 TURN 120 DEGREES O4 TURN 90 DEGREES O5 TURN 120 DEGREES O5 TURN 90 DEGREES O5 TURN 120 DEGREES	
STARTS-WITH HAND ON FASIENER  INCLUDES-ALL THE MOTIONS NECESSARY TO TURN A FASTENER A PARTIAL REVOLUTION ENDS-WITH MAND ON FASTENER COMDITIONS—TURN ONLY CASE OI TURN 90 DEGREES 7 03 TURN 120 DEGREES 9 03 TURN 180 DEGREES 7 03 TURN 180 DEGREES 181 TURN 90 DEGREES 9 03 TURN 180 DEGREES 181 TURN 90 DEGREES 182 TURN 180 DEGREES 183 TURN 180 DEGREES 184 TURN 90 DEGREES 185 TURN 90 DEGREES 185 TURN 180 DEGREES	
FFE U MAA IOTAPA3 MTFCIXX VARIABLE  CAPIOR PLUG), INSTALL, PLASTIC THREADED STARTS-WITH GET PLUG INCLUDES-ALL MOTIONS NECESSARY TO POSITION CAP OR PLUG, TURN DOWN FOUR THREADS, AND TIGHT ENDS-WITH RELEASE PLUG OR ASIDE TOOL CASE OI CAP OR PLUG INSTALLED BY HAND AND TIGHTENED WITH TOOL (INCLUDES GET, US AND ASIDE TOOL)  FFE U MAA IOTAPD3 MTFCRXX VARIABLE  CAPIOR PLUG), REMOVE, PLASTIC THREADED STARTS-WITH REACH TO PLUG OR TOOL INCLUDES-ALL MOTIONS NECESSARY TO LOOSEN CAP OR PLUG, TURN OUT FOUR THREADS, AND ASIDE PLU ENDS-WITH RELEASE PLUG OR ASIDE TOOL CASE OI REMOVE CAP OR PLUG WITH TOOL AND REMOVE BY HAND (INCLUDES GET, USE, AND ASIDE TOOL)  FFD U MAA MTFETXX MTFFGXX VARIABLE  FASTEMER(THREADED), GET(EASY) AND START(VISIBLE)	
STARTS-MITH GET PLUG INCLUDES-ALL MOTIONS NECESSARY TO POSITION CAP OR PLUG.TURN DOWN FOUR THREADS.AND TIGHT ENDS-WITH RELEASE PLUG OR ASIDE TOOL CASE 01 CAP OR PLUG INSTALLED AND TIGHTENED HAND  394  O2 CAP OR PLUG INSTALLED BY HAND AND TIGHTENED WITH TOOL(INCLUDES GET.US AND ASIDE TOOL)  FFE U MAA IOTAPD3 MTFCRXX VARIABLE  CAP(OR PLUG), REMOVE, PLASTIC THREADED STARTS-WITH REACH TO PLUG OR TOOL INCLUDES-ALL MOTIONS NECESSARY TO LOOSEN CAP OR PLUG, TURN OUT FOUR THREADS.AND ASIDE PLU ENDS-WITH RELEASE PLUG OR ASIDE TOOL  CASE 01 REMOVE CAP OR PLUG BY HAND O2 LOOSEN CAP OR PLUG WITH TOOL AND ASIDE TOOL)  FFD U MAA MTFETXX MTFFGXX VARIABLE  FASTENER(THREADED).GET(EASY)AND START(VISIBLE)	
AND O2 CAP OR PLUG INSTALLED BY HAND AND TIGHTENED WITH TOOL (INCLUDES GET, US AND ASIDE TOOL)  FFE U MAA IOTAPD3 MTFCRXX VARIABLE  CAP(OR PLUG), REMOVE, PLASTIC THREADED STARTS-WITH REACH TO PLUG OR TOOL INCLUDES—ALL MOTIONS NECESSARY TO LOOSEN CAP OR PLUG, TURN OUT FOUR THREADS, AND ASIDE PLU ENDS-WITH RELEASE PLUG OR ASIDE TOOL ENDS-WITH RELEASE PLUG OR ASIDE TOOL CASE O1 REMOVE CAP OR PLUG BY HAND O2 LOOSEN CAP OR PLUG BY HAND ASIDE TOOL)  FFD U MAA MTFETXX MTFFGXX VARIABLE  FASTENER(THREADED), GET(EASY)AND START(VISIBLE)	
TIGHTENED WITH TOOL (INCLUDES GET, US AND ASIDE TOOL)  FFE U MAA 10TAPD3 MTFCRXX VARIABLE CAP(OR PLUG), REMOVE, PLASTIC THREADED STARTS—MITH REACH TO PLUG OR TOOL INCLUDES—ALL MOTIONS NECESSARY TO LOOSEN CAP OR PLUG, TURN OUT FOUR THREADS, AND ASIDE PLU ENDS—MITH RELEASE PLUG OR ASIDE TOOL CASE OI REMOVE CAP OR PLUG BY HAND OF ASIDE TOOL REMOVE BY HAND(INCLUDES GET, USE, AND ASIDE TOOL)  FFD U MAA MTFETXX MTFFGXX VARIABLE FASTENER(THREADED), GET(EASY)AND START(VISIBLE)	Βī
STARTS-MITH REACH TO PLUG OR 100L  INCLUDES-ALL MOTIONS NECESSARY TO LOGSEN CAP  OR PLUG, TURN OUT FOUR THREADS, AND ASIDE PLU  ENDS-MITH RELEASE PLUG OR ASIDE TOOL  260 260 365  CASE 01 REMOVE CAP OR PLUG WITH TOOL AND  OR PLOOSEN CAP OR PLUG WITH TOOL AND  REMOVE BY HAND(INCLUDES GET, USE, AND  ASIDE TOOL)  FFD U MAA MIFETEX MIFFGXX VARIABLE FASTENER(THREADED), GET (EASY) AND START (VISIBLE)	<b>≛•</b>
365 O2 LOOSEN CAP OR PLUG WITH TOOL AND REMOVE BY MAND(INCLUDES GET, USE, AND ASIDE TOOL)  FFD U MAA MIFETHE MIFFGEX VARIABLE FASTENER(THREADED), GET(EASY) AND START(VISIBLE) FFD U MAA MIFETHE MIFFGEX VARIABLE FASTENER(THREADED), GET(EASY) AND TOWARD FASTENER	<b>G</b>
PPU U MAR WITCHER CTARTER MOVEMENT OF MANU TUNARU PASIENCE	
INCLUDES—ALL THE MOTIONS NECESSARY TO REACH TO FASTEMER, GAIN CONTROL, MOVE TO BOLT, STUD, OR AND START ON THREAD ENDS-MITH BELEASE OF FASTEMER	NUT
CONDITIONS-UP TO AND INCLUDING 2.5 LBS.E.N.M.  32 CASE 01 HOVE ONE INCH  37 02 MOVE 1-3 INCHES	
47 06 MOVE 3-9 INCHES  56 12 MOVE 9-15 INCHES  65 18 MOVE 15-21 INCHES	
75 24 MOVE 21-27 INCHES	
FFO U MAA TTFIMXX MTFFIXX VARIABLE FASTENER(THREADED),1NSTALL STARTS-WITH GET FASTENER INCLUSS-WALL THE MOTIONS NECESSARY TO GET FASTENER,RUN DOWN BY HAND TO FIVE THREADS ENDS-WITH RELEASE OF FASTENER CONDITIONS-FASTENER NOT TIGHTENED	
89 CASE OI EASY GET-VISIBLE START 123 OZ EASY GET-BLIND START	
97 O3 JUMBLED GET-VISIBLE START 131 O4 JUMBLED GET-BLIND START 134 O5 SIMO JUMBLED GET-VISIBLE START 205 O6 SIMO JUMBLED GET-BLIND START	

DATA Source	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP FLEMENT		OPERATION/ELEMENT DESCRIPTION-
FFD	U	MAA	MTFJTXX	MTFFPXX	VARIABLE	FASTENER(THREADED), GET (JUMBLED) AND START EVISIBLE) STARTS-WITH MOVEMENT OF HAND TOWARD FASTENER INCLUDES-ALL THE MOTIONS NECESSARY TO REACH TO FASTENER, GAIN CONTROL, MOVE TO BOLT, STUD, OR NUT, AND START ON THREAD
					39 46 55 64 74	ENDS-WITH RELEASE OF FASTENER CONDITIONS-UP TO AND INCLUDING 2.5 LBS. E.N.W. CASE OI MOVE ONE INCH OZ MOVE 1-3 INCHES O6 MOVE 3-9 INCHES 12 MOVE 9-15 INCHES 18 MOVE 15-21 INCHES 24 MOVE 21-27 INCHES
FFD	U	MAA	MTFSTXX	MTFFSXX	VARIABLE	FASTENER(THREADED),GET(JUNBLED SIMO) AND START
						STARTS-WITH MOVEMENT OF HAND TOWARD FASTENER INCLUDES-ALL MOTIONS NECESSARY TO REACH TO FASTENER, GAIN CONTROL, MOVE TO BOLT, NUT, OR STUD AND START ON THREAD
					•	ENDS WITH RELEASE OF FASTENER CONDITIONS—UP TO AND INCLUDING
					76	2.5 LBS.E.N.W.=PLACE VISIBLE CASE OF MOVE ONE INCH
					8,3	02 MUVE 1-3 INCHES
					92 101	06 MOVE 3=9 INCHES 12 MOVE 9=15 INCHES
					111	18 MOVE 15-21 INCHES
					120	24 MOVE 21-27 INCHES
FFD	U	MAA	MTFPFXX	MTFNPXX	VAR [ABLE	MUT AND WASHER, PUSITION ON STUD STARTS-WITH MOVE OF NUT AND WASHER TO STUD INCLUDES-ALL THE MOTIONS NECESSARY TO PLACE A WASHER AND NUT ON A STUD ENDS-WITH NUT ON STUD CONDITONS-DOES NOT INCLUDE ENGAGING OR
						THREADING NUT ON STUD
				•	27 33	CASE OZ MOVE TO STUD 1-3 INCHES
					37	06 MOVE TO STUD 3-9 INCHES 12 MOVE TO STUD 9-15 INCHES
					43	18 MOVE TO STUD 15-21 INCHES
<b>##0</b>	<b>.</b>	MAA	GEAFN5U	MTFPFOL	80	FASTENER(THREADED), POSITION IN HOLE STARTS-MITH REACH TO GET BOLT INCLUDES-ALL THE MOTIONS NECESSARY TO GET BOLT AND POSITION IN HOLE, MOVE BOLT INTO HOLE, RELEASE BOLT
						ENDS—WITH RÉLÉASE ROLT CONDITIONS—MOVE UP TO THREE INCHES INTO HOLE
FFH	U	MAA . (	KTFWRAL	MTFWPQ1	73	WASHER, PLACE ON BOLT OR SCREW STARTS-WITH BOLT IN MAND
						INCLUDES ALL MOTIONS NECESSARY TO GET WASHER, POSITION TO BOLT, AND SLIDE ON BOLT ENDS WITH WASHER SEATED ON BOLT, BOLT IN HAND CONDITIONS BOLT ONE THREE INCHES LONG, WASHER TO 1 1/4 INCHES INSIDE DIAMETER, APPLICABLE TO PLAIN, LOCK, OR TAB WASHERS
FFH (	u	MAA . H	LTFWRA2		62	WASHER.PLACE IN ALIGNMENT WITH NUT PRIOR TO STARTING NUT ON THREADS STARTS-WITH NUT IN HAND
				٠,		INCLUDES-ALL MOTIONS NECESSARY TO GET WASHER AND ALIGN TO NUT
						ENDS-WITH NUT AND WASHER ALIGNED CONDITIONS-PLAIN, LOCK, OR TAB WASHER TO 1 1/4 INCHES INSIDE DIAMETER

DATA SOURCE		QUALITY	SOURCE	DWMSTOP ELEMENT	TMU VALUE	OPERAT LON	/EL	MENT (	DESCRIPT I	ON ,	
FFD	U	MAA	TTFIHXX	TTFF[XX	TABLE	FASTENER(THREA STARTS-WITH INCLUDES-ALL FASTENER, NUMBER OF ENDS-FASTENE CONDITIONS-F	GET THI STAI THI R RI	FASTEI E MOTII RT, RUN READS JN DOW!	NER DNS NECES DOWN BY	SARY TO GE Hand the R	T LEQUIRED
						TYPE OF START	EA:		MBLED JU GET SI	MBLED MO GET C	
						VISIBLE A	13:	3	8 141	178	
						BLIND E	17	В	186	193	
						TYPE	10- EA		MBLED JU	IMBLED	
						OF START	GE.	-	GET SI B	MO GET	
				•		VISIBLE (			207	244	
				•		BLIND I	23	3	241	248	
FFO	ú	MAA	TTFRHXX	TTFFRXX	TABLE	FASTENER(THREE STARTS-WITH INCLUDES-ALI FASTENER ENDS-WITH F CONDITIONS-	REA L TH And Aste	CH TO E MOTI RUN D NER IN	LOCATE FA ONS NECES IFF BY HAM I HAND	ASTENER Ssary to L ND	OCATE
						NUMBER O	F				
						THREADS TO RUN O	FF	UNOBS BLIND	TRUCTED CLEAR	OBSTR BLIND	CLEAR
						TO FIVE	A	A 58	8 50	C 97	89
						5-10	В	102	94	193	185
						10-15	c	168	160	337	329
FFH		HAA	STLSPXX	STLOPXX	VARIABLE 20 25	WITH TWO SUPPLEME CASE O1	L MO G AR I LIMI HAN HAN NT W OBJE	N PLAC TED TU ID USE ID USE IITH TE ICT MON	NECESSARY  E AFTER 1  2.5 POUI  AND 5.0 (  FOR MOVE)  EL-WF-XX  /ED LESS  /ED 1-3 I	Y TO MOVE  USE NDS RESIST POUNDS RES S WITH WEI THAN ONE I NCHES	OBJECT ANCE ISTANCE GHT
					34 43	06 12	08J6	CT MOV	/ED 3-9 [/ /ED 9-15	NCHES INCHES	
FF	U	MAA	BTLCCXX	BTLCUXX	VARTABLE	HAMMER ENDS-WITH C	I CHI R L MC O WC	SEL II STIONS IRK ANI EL AND	NECESSAR' D STRIKE	Y TO POSIT DNE BLOW W	ION
					72 17				FIONAL BL		1
FF	U	MAA	BTLF\$01	STLFU01	37	FILE(OR HACKS SYARTS-WITH INCLUDES-AP RETURN S ENDS-WITH C	PLY TROI	BL IN ( PRESS) (E	POSITION URE, FORWA	RD STRUKE,	STROKE AND

DATA SOURCE		QUALITY	SOURCE CODE	OWMSTOP ELEMENT		OPERATION/ELEMENT DESCRIPTION
FFH	U	MAA	BTEHLXX	BTLHLXX	VARIABLE	HAMMER(LIGHT), STRIKE ONE BLOW STARTS-WITH HAMMER IN HAND READY TO STRIKE BLOW INCLUDES-ALL MOTIONS NECESSARY TO MAKE ONE DOWN STROKE AND ONE UP STROKE WITH A HAMMER ENDS-WITH HAMMER IN POSITION FOR NEXT BLOW CONDITION-FOR USE OF HAMMER WITH CARE, ADD TPL-OP-BC FOR EACH BLOW APPLICABLE TO USE OF
					8 17 26 35 43	HAMMER MEIGHING TO 2.5 POUNDS CASE 02 HAMMER BLOW, 1-3 INCH STROKE 06 HAMMER BLOW, 3-9 INCH STROKE 12 HAMMER BLOW, 9-15 INCH STROKE 18 HAMMER BLOW, 15-21 INCH STROKE 24 HAMMER BLOW, 21-27 INCH STROKE
FFH	Ų	MAA	BTLHMXX	BTLHMXX	VARIABLE	HAMMER(MEDIUM), STRIKE ONE BLOW STARTS-WITH HAMMER IN HAND READY TO STRIKE BLOW INCLUDES-ALL MOTIONS NECESSARY TO MAKE ONE
					9	DOWN STROKE AND ONE UP STROKE WITH A HAMMER ENDS-WITH HAMMER IN POSITION FOR NEXT BLOW CONDITION-FOR USE OF MAMMER WITH CARE, ADD TPL-OP-BC FOR EACH BLOW, APPLICABLE TO USE OF HAMMER WEIGHING 2.5-7.5 POUNDS CASE 02 HAMMER BLOW, 1-3 INCH STROKE
					18 28 37 46	06 HAMMER BLOW,3-9 INCH STROKE 12 HAMMER BLOM,9-15 INCH STROKE 18 HAMMER BLOM,15-21 INCH STROKE 24 HAMMER BLOW,21-27 INCH STROKE
FF		HAA	BTLHAXX	67LHUKX	VARIABLE	MATCHET, USE, STRIKE FIRST OR ADDITIONAL BLOW STARTS-WITH HATCHET IN HAND INCLUDES-ALL MOTIONS NECESSARY TO POSITION HATCHET TO OBJECT AND STRIKE ONE BLOW(CASE 01) OR STRIKE ADDITIONAL BLOW(CASE 02) ENDS-WITH HATCHET IN HAND READY FOR NEXT BLOW OR TO LAY ASIDE
					42 32	CASE O1 FIRST OR SINGLE BLOW 02 EACH ADDITIONAL BLOW
FF	U	MAA	STLKFXX	BTLKUXX	VARIABLE	KNIFE, USE, TO CUT OR SCRAPE, PER STROKE STARTS-MITH KNIFE IN POSITION FOR FIRST STROKE INCLUDES-APPLY PRESSURE, DNE FORMARD STROKE, AND ONE RETURN STROKE ENDS-MITH KNIFE IN HAND AT END OF THE RETURN
	,				16 20 28	STROKE CASE OI PER STROKE UP TO ONE INCH O2 PER STROKE.1-3 INCHES O6 PER STROKE.3-9 INCHES
DND	v	HAO	LA1H5	STLHCXX	VARIABLE	MATERIAL, CUT ALONG STRAIGHTEDGE WITH KNIFE STARTS-WITH KNIFE IN MAND, OTHER HAND MOLDING STRAIGHTEDGE INCLUDES-ALL MOTIONS NECESSARY TO MOVE KNIFE TO START POINT OF CUT, DRAW KNIFE ALONG STRAIGHTEDGE, LIFT KNIFE, MOVE BACK TO START POINT, AND MAKE SECOND CUT ENDS-WITH KNIFE IN HAND
					150 15	CONDITIONS—TIME TO GET AND PLACE STRAIGHTEDGE AND TO GET AND ASIDE KNIFE NOT INCLUDED CASE OI FIRST OR SINGLE SIX—INCH CUT OZ EACH ADDITIONAL SIX INCHES CUT WITHOUT LIFTING KNIFE
FF	U	MAA	STLPV01	STLPA01	72	PLIERS(VISE GRIP)ADJUST STARTS-WITH VISE GRIP PLIERS AT MORK PIECE INCLUDES-ALL MOTIONS NECESSARY TO CLOSE JAMS TO CHECK OPENING, OPEN JAMS, AND ADJUST SCREM (TWO CYCLES OF THE ABOVE MOTIONS ARE INCLUDED) ENDS-WITH CLOSING JAWS FOR FINAL CHECK OF OPENING SIZE

DATA SOURCE		QUALITY	SOURCE CODE	DWM\$TOP ELEMENT	YALUE TMU	OPERATION/ELEMENT DESCRIPTION
AE	U	MAH	FPLADXX	8TLPA02	. 75	PLIERS(SLIP JOINT).ADJUST STARTS-WITH PLIERS IN HAND INCLUDES-ALL MOTIONS NECESSARY TO ADJUST PLIERS TO DESIRED OPENING ENDS-WITH PLIERS IN HAND
Pfu	U	MAA	STLPCXX	STLPCXX	YARIABLE	PLIERS(CONVENTIONAL), USE TO CUT, CRIMP, OR GRIP AM OBJECT STARTS-WITH PLIERS IN HAND POSITIONED ON PART INCLUDES-ALL MOTIONS NECESSARY TO CLOSE PLIERS, APPLY PRESSURE TO PLIER HANDLES, AND OPEN PLIERS ENDS-WITH PLIERS OPEN AND IN HAND CONDITION-MO TIME IS ALLOWED FOR DOING OTHER WORK WHILE OBJECT IS HELD
					15	CASE OI USE PLIERS, LIGHT RESISTANCE, TO 30 POLINOS
		•			20	OZ USE PLIERS, HEAVY RESISTANCE, 30-45 POUNOS
**	U	HAA	STLPV02	STLPC03	<b>65</b>	PLIERS(VISE GRIP), CLOSE ON OBJECT AND OPEN TO REMOVE STARTS-WITH PLIERS POSITIONED OVER OBJECT TO BE HELD INCLUDES-ALL MOTIONS NECESSARY TO CLOSE AND LOCK PLIERS; AND TO UNLOCK AND OPEN PLIERS ENDS-WITH PLIERS OPEN AND IN HAND CONDITION-NO TIME ALLOWED FOR WORK DONE WHILE OBJECT IS BEING HELD
FF	U	MAA	STLSAGL	87LSA01	132	SOCKET, ATTACH TO ADAPTER AND ATTACH ADAPTER TO MANDLE STARTS-WITH ADAPTER HELD IN RIGHT HAND AND SOCKET IN LEFT HAND INLCUDES-ALL HOTIONS NECESSARY TO ATTACH THE SOCKET TO THE ADAPTER AND TO ATTACH THE ADAPTER TO EXTENSION, MANDLE, ETC. ENDS-WITH TOOL IN HAND, READY FOR USE
PPH	U	MAA	BTLSCXX	STLSCXX	23 8 12 21 31 18	SCREWORIVER, CONVENTIONAL, USE STATS—WITH TOOL IN HAND, READY FOR USE INCLUDES—ALL MOTIONS NECESSARY TO USE SCREWDRIVER AS INDICATED ENDS—WITH SCREWORIVER IN PLACE AFTER USE CASE OI ENGAGE SCREWDRIVER TO PART AND DISENGAGE FROM PART OZ CONVENTIONAL SCREWDRIVER, FINGER TURN, PER MOVE, TO 3/4 INCH DIAMETER HANDLE O3 CONVENTIONAL SCREWDRIVER, FINGER TURN, PER MOVE, 3/4—Z INCH DIAMETER HANDLE O4 CONVENTIONAL SCREWDRIVER, FINGER TURN, PER THREAD, TO 3/4 INCH DIAMETER HANDLE O5 CONVENTIONAL SCREWDRIVER, FINGER TURN, PER THREAD, 3/4—Z INCH DIAMETER HANDLE O6 CONVENTIONAL SCREWDRIVER, WRIST TURN, PER MOVE O7 CONVENTIONAL SCREWDRIVER, WRIST TURN, PER THREAD
FF	U	HAA	8715402	BTL 5001	62	SOCKET, DISENGAGE FROM ADAPTER AND REMOVE ADAPTER FROM HANDLE STARTS-WITH HANDLE, WITH SOCKET AND ADAPTER ATTACHED, HELD IN HAND INCLUDES-ALL HOTIONS NECESSARY TO REMOVE SOCKET FROM ADAPTER AND ADAPTER FROM HANDLE ENDS-WITH REMOVAL OF ADAPTER FROM HANDLE

DATA Source		QUALITY	SOURCE CODE	OWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	U	MAA	BTLSRXX	BTLSRXX	VARIABLE	SCREMDRIVER, RATCHET, USE STARTS-WITH SCREMDRIVER IN HAND, READY FOR USE INCLUDES-ALL MOTIONS NECESSARY TO USE SCREMDRIVER AS INDICATED ENDS-WITH SCREMDRIVER IN PLACE AFTER USE
					9 23 14 41	CASE OI MUVE TURN MOTION, PER MOVE 02 MOVE TURN MOTIGN, PER THREAD 03 WRIST TURN MOTION, PER TURN 04 WRIST TURN MOTION, PER THREAD
FF	U	MAA	BTLSSXX	BTLSSXX	VARIABLE	SCISSORS(OR SHEARS).CUT STARTS-WITH SCISSORS OR SHEARS POSITIONED FOR CUTTING INCLUDES-ALL MOTIONS NECESSARY TO MAKE ONE CUT ALONG A LINE USING SCISSORS OR SHEARS ENDS-WITH COMPLETION OF CUT
					11	CASE OI SMALL SCISSORS OR SHEARS, TO THO INCH CUT WITH ONE HAND, UP TO 2.5 POUNDS RESISTANCE
					13	OZ LARGE SCISSORS OR SHEARS, 2-4 INCH CUT WITH TWO HANDS, UP TO FIVE POUNDS RESISTANCE
NF	J. C	MAF	953	BTL SUO1	- 31	SCREMDRIVER, USE FOR FINAL TIGHTEN OR INITIAL LOOSEN
						STARTS-WITH SCREWDRIVER IN HAND AND POSITIONED IN SCREW SLOT INCLUDES-ALL MOTIONS NECESSARY TO APPLY PRESSURE AND TURN SCREW 90 DEGREES TO LOOSEN OR TO APPLY PRESSURE AND TURN SCREW
		•		٠		90 DEGREES TO TIGHTEN SCREW SLOT
FFH	U	MAA	BTLTDXX	BTLTDXX	VAR! ABLE	TAPIOR DIE), CUT ONE THREAD STARTS-WITH TOOL POSITIONED INCLUDES-ALL MOTIONS NECESSARY TO CUT ONE THREAD WITH TAP OR DIE OR TO REMOVE TAP OR DIE ONE THREAD
						ENDS-WITH TOOL IN HAND CONDITIONS-MAXIMUM RESISTANCE FOR WRIST TURN MOTIONS-2.0 POUNDS AND FOR MOVE TURN MOTIONS-
					67	2.5 PUUNDS. CASE Ol WRIST TURN MOTIONS.CUT ONE THREAD
					46 102	OZ WRIST TURN MOTION, REMOVE ONE THREAD O3 MOVE TURN MOTIONS, CUT ONE THREAD, UP TO
					63	TO 6 INCH HANDLE 04 MOVE TURN MOTION, REMOVE ONE THREAD, UP
				•	140	TO 6 INCH HANDLE 05 MOVE TURN MUTIONS.CUT ONE THREAD.6-10
					85	INCH HANDLE D6 MOVE TURN MOTION, REMOVE ONE THREAD,
						6-10 INCH HANDLE
FF0	U	MAA	TTFAAXX	BTLTUXX	VARIABLE	TOOL.USE(ADDITIVE FOR INSTALLATION OR REMOVAL OF SELF LOCKING FASTENERS) STARTS-WITH APPLY PRESSURE TO TOOL
						INCLUDES—ALL THE MOTIONS NECESSARY TO MAKE THREE 120 DEGREE TURNS WITH THE TOOL
		•				ENDS-MITH FASTENER TURNED ONE THREAD CONDITIONS-ELEMENT APPLICABLE TO INSTALL OR
			:			REMOVE THREADED FASTENER-ELEMENT IS USED AS AN ADDITIVE WHEN A SELF LOCKING DEVICE IS USED WITH A THREADED FASTENER AND THE TIGHTENING OR LODSENING IS DONE WITH THE TOOLS SHOWN FOR
			ě		42	CASES BELUM CASE OI 2.5-10 LBS RESISTANCE-USING NUTORIVER,
					57	SCRENDRIVER OR T HANDLE OZ 10-20 LBS RESISTANCE-USING WRENCH WITH
					69	12-16 INCH HANDLE 03 20-30 LBS RESISTANCE-USING WRENCH WITH 16-24 INCH HANDLE

DATA SOURCE		QUALITY	SOURCE	OWMSTOP ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION
w	U	MAF	2062	BTLWAOL	77	WRENCH.ADJUST, MUNKEY OR GRESCENT STARTS-MITH WRENCH IN HAND INCLUDES-ALL MOTIONS NECESSARY TO REGRASP WRENCH HANDLE, GET AND MOVE ADJUSTING SCREW FOUR TIMES, TRY WRENCH TO WORK, AND MAKE FINAL ADJUSTMENT ENDS-WITH WRENCH IN HAND ON WORK
FFH	U	MAA	<b>BTLWHXX</b>	BTL WHXX	26 15	HANDLE("T"), ENGAGE AND DISFNGAGE OR USE TO TURN UBJECT STARTS-WITH TOOL IN HAND, READY FOR USE AS INDICATED INCLUDES-ALL MOTIONS NECESSARY TO ENGAGE AND DISENCAGE "T" HANDLE(CASE 01), OR TO USE THE "T" HANDLE TO TURN A PART(CASES 02-04) ENDS-WITH HAND ON HANDLE CONDITION-INCLUDES MOVES WITH RESISTANCE TO 2.5 POUNDS EFFECTIVE NET WEIGHT(ENW), AND WRIST TURNS WITH RESISTANCE TO 2.0 POUNDS ENW CASE OI ENGAGE AND DISENGAGE "T" HANDLE 11 SPIN BY HAND, PER HAND SEQUENCE 12 WRIST TURN MOTIONS, PER THREAD
FFH	Ü	HAA	BTLWLXX	BTLWLXX	68 VARIABLE	13 MOVE TURN MOTIONS, PER THREAD, "T" BAR WITH DIAMETER TO 16 INCHES  BOLTCUR NUT1.LODSEN OR TIGHTEN WITH WRENCH
•••					16 35	STARTS-WITH WRENCH ON PART TO BE LOOSENED OR TIGHTENED INCLUDES-ALL MOTIONS NECESSARY TO USE A WRENCH TO LOOSEN OR TIGHTEN A PART ENDS-MITH WRENCH ON PART CONDITION-APPLIES TO DVERCOMING INITIAL RESISTANCE ONLY WHEN LOOSENING OR THE FINAL APPLICATION OF PRESSURE WHEN TIGHTENING CASE 51 NORMAL RESISTANCE  52 HEAVY RESISTANCE
AF	U	MAG	MOLIG	STL WPO1	39	WRENCH(SPANNER).POSITION TO NUT AND REMOVE AFTER USE STARTS-WITH WRENCH IN HAND WITHIN TWO INCHES OF NUT INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION A SPANNER WRENCH TO A NUT AND TO REMOVE THE WRENCH FROM THE NUT AFTER USE ENDS-WITH WRENCH IN HAND TWO INCHES FROM NUT
FFH	U	MAA	5TLWR61	STLUROL	26	RATCHET(AND SOCKET), ENGAGE ON AND DISENGAGE FROM PART STARTS-WITH RATCHET IN HAND NEAR PART INCLUDES-ALL MOTIONS NECESSARY TO ENGAGE AND DISENGAGE SOCKET ENDS-WITH RATCHET IN HAND NEAR PART
FF	U	MAA	BTLWSXX	BTLWSXX	VARIABLE	HANDLE(SPEED), ATTACH TO AND REMOVE FRUM PART OR TURN MANDLE ONE THREAD  STARTS-WITH TOOL IN MAND READY FOR USE INCLUDES-ALL MOTIONS NECESSARY TO USE TOUL AS INDICATED  ENDS-WITH TOOL REMOVED FRUM PART(CASE O1) UR  TOOL ON PART(CASE O2)  CONDITIONS-CASE O1 INCLUDES START AND STUP  TIME FROM CRANK FORMULA  CASE O1 ENGAGE AND DISENGAGE SOCKET  O2 TURN MANDLE ONE THREAD WITH CRANKING
					. 12	MOTIONS (3-6 INCH CRANK DIAMETER)

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VAL UE	OPERATION/ELEMENT DESCRIPTION
FF	U	MAA	BTLWTXX	STLWTXX	VARIABLE	WRENCH, TORQUE, USE STARTS-WITH WRENCH IN HAND AND OTHER HAND ON ADJUSTING DEVICE(CASE 01-02)OR WRENCH ON PART (CASES 51-62) INCLUDES-ALL MOTIONS NECESSARY TO ADJUST OR
		•			37	USE TORQUE WRENCH AS INDICATED ENDS-WITH WRENCH IN HAND CASE OI SET TORQUE ON DIAL TYPE WRENCH
					98 39	02 SET TORQUE ON SNAP TYPE WRENCH 51 FINAL TIGHTEN MOTION WITH SNAP TYPE WRENCH WITH 7-12 INCH HANDLE;THREAD DIAMETER 5/16 INCH
					45	52 FINAL TIGHTEN MOTION WITH SNAP TYPE WRENCH WITH 12-16 INCH HANDLE: THREAD DIAMETER 5/16-1/2 INCH
					55	61 FINAL TIGHTEN MOTION WITH DIAL TYPE WRENCH WITH 7-12 INCH HANDLE;THREAD DIAMETER TO 5/16 INCH
					61	62 FINAL TIGHTEN MOTION WITH DIAL TYPE WRENCH WITH 12-16 INCH HANDLE; THREAD DIAMETER 5/16-1/2 INCH
FF	, <b>U</b> .	MAA	BTLSWXX	8TLWUXX	VARIABLE	WRENCH(STRAP), USE(ATTACH TO OBJECT) STARTS-WITH WRENCH IN HAND AT OBJECT INCLUDES-ALL MOTIONS NECESSARY TO PLACE A STRAP WRENCH ON OBJECT, BY PLACING LOOP OVER END OF OBJECT, TAKE UP SLACK IN STRAP AND LOCK STRAP
					:	ENDS-WITH WRENCH IN PLACE, READY TO TURN DBJECT CONDITION-APPLICABLE TO STRAP WRENCH WHERE WRENCH CAN BE PLACED OVER END OF OBJECT, NO THREADING OF STRAP IN WRENCH REQUIRED
					101 119	CASE O1 ATTACH WRENCH WITH 10 INCH HANDLE 02 ATTACH WRENCH WITH 15 INCH HANDLE 03 ATTACH WRENCH WITH 20 INCH HANDLE
FF	u	MAA	BTLSWXX	STLWU04	32	WRENCH(STRAP), USE(FINAL TIGHTEN OR INITIAL LOOSEN) STARTS-WITH WRENCH PLACED, STRAP LOCKED INCLUDES-ALL MOTIONS NECESSARY TO LOOSEN OR TIGHTEN WITH STRAP WRENCH
•						ENDS-WITH WRENCH IN HAND CONDITION-APPLICABLE TO BREAK LOOSE OR FINAL TIGHTEN ONLY
FF		MAA	BTLSW05	BTL WUOS	75	WRENCH(STRAP).USE.(MAKE ONE QUARTER TURN) STARTS-MITH WRENCH PLACED.STRAP LOCKED INCLUDES-ALL MOTIONS NECESSARY TO MAKE ONE QUARTER TURN ENDS-MITH WRENCH READY FOR NEXT OPERATION
FF		MAA	BTLSW06	BTLWU06	39	WRENCH(STRAP), USE, (REMOVE FROM OBJECT) STARTS-WITH WRENCH IN POSITION, LOCKED ON OBJECT
	•			•		INCLUDES-ALL MOTIONS NECESSARY TO UNLOCK STRAP AND REMOVE WRENCH ENDS-WITH WRENCH OFF OBJECT READY TO BE PLACED ASIDE
NF		MAL	1062	MTLBU01	159	BAR(PINCH).USE STARTS-MITH PINCH BAR IN HAND INCLUDES-ALL THE TIME NECESSARY TO MOVE THE PINCH BAR AND POSITION AT PART, PUSH BAR UNDER PART, RAISE AND LOMER PART, PULL BAR FROM UNDER PART ENDS-WITH BAR FREE FROM PART CONDITION-APPLICABLE TO RESISTANCE TO 25 POUNDS ENW

DATA Source		QUALITY	SOURCE	DWMSTOP ELEMENT	THU	OPERATION/ELEMENT DESCRIPTION
AE	U	MAW	FTDAXXX	MTLDAXX	VARIABLE	DIELUR TAP).ASSEMBLE TO UR DISASSEMBLE FROM CHUCK OR HANDLE.HAND-HELD STARTS-(CASE DI-03 AND OSIMITH REACH TO TAP OR
						DIE, (CASE O4 AND O6) WITH HAND ON HANDLE READY TO APPLY PRESSURE TO LOOSEN HANDLE
				,		INCLINES-ALL MOTIONS NECESSARY TO ASSEMBLE TAP
						OR DIE TO CHUCK OR HANDLE OR TO DISASSEMBLE
						TAP OR DIE FROM CHUCK OR HANDLE ENDS-(CASES 01.02.04.AND D6)WITH RELEASE OF
						TAP OR DIE, AND CASE OF AND OF WITH TAP OR DIE
					•	IN HAND Case of Assemble tap in Chuck
					98 77	OZ DISASSEMBLE TAP FROM CHUCK
					139	O3 ASSEMBLE TAP IN HANDLE
					110	04 DISASSEMBLE TAP FROM HANDLE 05 ASSEMBLE DIE IN HANDLE
					150 122	OF DISASSEMBLE DIE FROM HANDLE
FFD	U	AAM	TTFAAXX	MTLFLXX	VARIABLE	FASTENER(THREADED), LOOSEN WITH HAMMER OR MALLET
						STARTS-WITH A REACH TO GET HAMMER OR MALLET
						INCLUDES—ALL THE MOTIONS NECESSARY TO LOOSEN OR TIGHTEN A THREADED FASTENER WITH A HAMMER
	•					OR MALLET
				•		FNDS-WITH HAMMER UR MALLET ASIDE
					111	CASE O1 STRIKE SEVEN TO 12 INCH WRENCH HANDLE-
					139	OZ STRIKE 12 TO 16 INCH WRENCH HANDLE-
						THREE BLOWS  03 STRIKE 16 TO 24 INCH WRENCH HANDLE
					167	FOUR BLOWS
				47: 45-0	VARIABLE	HOLE-REAM BY HAND
NO	U	DAM	FB TMS	HILMKAA	AWI WOLC	STARTS-MITH REACH TO REAMER
						INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE REAMER TO AND POSITION IN HOLE, GRASP HANDLE
						WITH BOTH HANDS AND RUN REAMER IN AND OUT
						DISENGAGE AND ASIDE REAMER
			•		754	ENDS-WITH ASIDE REAMER CASE OF REAM FIRST UR SINGLE HOLE, FIRST INCH,
					1.5,4	HOLE UP TO 3/8 INCH DIAMETER
					716	02 EACH ADDITIONAL HOLE, REAM FIRST INCH. HOLE UP. TO 3/8 INCH DIAMETER
					608	OB EACH ADDITIONAL INCH REAMED, FIRST OR
			•			ADDITIONAL HOLE, HOLE UP TO 3/8
					1079	INCH DIAMETER  O4 REAM FIRST OR SINGLE HOLE, FIRST
					1079	INCH, HOLE 3/8 TO 3/4 INCH DIAMETER
					1042	05 EACH ADDITIONAL HOLE, REAM FIRST INCH.
				•	934	HOLE 3/8 TO 3/4 INCH DIAMETER OF EACH ADDITIONAL INCH REAMED, FIRST OR
					,,,,	ADDITIONAL HOLE, HOLE 3/8 TO 3/4
		•			1507	INCH DIAMETER  07 REAM FIRST OR SINGLE HOLE, FIRST
					1597	INCH, HOLE GREATER THAN 3/4 INCH
						DIAMETER
					1559	OB EACH ADDITIONAL HOLE REAM FIRST INCH, HOLE GREATER THAN 3/4 INCH DIAMETER
					1497	09 EACH ADDITIONAL INCH REAMED, FIRST OR
						ADDITIONAL HOLE, HOLE GREATER THAN 3/4 INCH DIAMETER
						SUCH DIRECTOR

DATA SOURCE		QUALITY	SOURCE	DWMSTDP ELEMENT	TAU	OPERATION/ELFMENT DESCRIPTION
OL	<b>J</b>	MAL	emme	MTLMCXX	VARIANLE	MATERIAL (GLOTH). CUT WITH SCISSORS  STARTS-WITH A MOVE OF THE SCISSORS TO THE  MATERIAL INCLUDES-ALL THE TIME NECESSARY TO MAKE THE INITIAL CUT IN A PIELE OF MATERIAL AND CONTINUE THE CUT TO LENGTH SHOWN IN CASES ENDS-WITH THE SCISSORS IN POSITION TO CONTINUE CUTTING CONDITIONS-INITIAL CUT AND CUT UP TO 10 INCHES MADE WITH NURMAL OPENING AND CLOSING SCISSOR ACTIONS-CUTS OVER 10 INCHES ARE MADE WITH INITIAL CUT AND NURMAL SCISSOR ACTION FOR 10 INCHES AND THEN BY SLIDING SCISSORS WITHOUT OPENING OR CLOSING FOR THE REMAINDER OF THE CUT
					45 54 63 73 81 34	CASE OI INITIAL TWO INCH CUT OZ INITIAL FOUR INCH CUT O3 INITIAL SIX INCH CUT O4 INITIAL EIGHT INCH CUT O5 INITIAL IO INCH CUT O6 ADD FOR EACH ADDITIONAL 10 INCH CUT
NF	U	MAF	2376	MTLPS01	97	PUNCH(CENTER),STRIKE STARTS-WITH MOVE PUNCH TO OBJECT INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION AND STRIKE CENTER PUNCH WITH A HAMMER ENDS-WITH MOVE PUNCH AWAY CONDITIONS-STRIKE PUNCH TWO TIMES
₽₽ ·		MAA	BTLCSO1	MTLSCOL	121	SOCKET.CHANGE, 1/4.3/8. OR 1/2 INCH DRIVE WITH MALL AND SUCKET LOCK STARTS-WITH REACH TO SOCKET INCLUDES-ALL MOTIONS NECESSARY TO REMOVE FIRST SOCKET FROM HANDLE OR EXTENSION, PLACE ASIDE ON PFG OR IN SOCKET SET, GET SECOND SOCKET, AND ATTACH TO HANDLE ENDS-WITH TOOL READY FOR USE
OL.	u	MAL	<b>DECS</b>	MTLSEXX	375 462 636 723 897 994 44	STENCIL.CUT.ELECTRIC STARTS-WITH STENCIL BOARD IN HAND READY TO PUSITION IN CUTTER INCLUDES-ALL THE TIME NECESSARY TO CUT A STENCIL ON AN ELECTRIC MACHINE ENDS-WHEN THE COMPLETED STENCIL IS REMOVED FROM THE MACHINE CASE OI ONE LINE, SIX CHARACTERS OZ TWO LINES, TOTAL SIX CHARACTERS OZ THREE LINES, TOTAL EIGHT CHARACTERS OF FIVE LINES, TOTAL TEN CHARACTERS OF SIVE LINES, TOTAL TEN CHARACTERS OF SIX LINES, TOTAL TEN CHARACTERS OF SIX LINES, TOTAL TEN CHARACTERS OF EACH ADDITIONAL CHARACTERS OB EACH BLANK SPACE REQUIRED TO SEPARATE WORDS OR CHARACTERS
DL.	J.		<b>OECS</b>	MTLSMXX	9469 561 771 863 1072 1165 59 26	STENCIL.CUT.MANUAL STARTS-MITH STENCIL BOARD IN MAND READY TO POSITION IN CUTTER INCLUDES-ALL THE TIME NECESSARY TO CUT A STENCIL ON A MANUAL MACHINE ENDS-MHEN THE COMPLETED STENCIL IS REMOVED FROM THE MACHINE CASE OL ONE LINE, SIX CHARACTERS OZ TWO LINES, TOTAL SIX CHARACTERS OJ THREE LINES, TOTAL EIGHT CHARACTERS OF FUUR LINES, TOTAL EIGHT CHARACTERS OF FIVE LINES, TOTAL TEN CHARACTERS OF SIX LINES, TOTAL TEN CHARACTERS OF SIX LINES, TOTAL TEN CHARACTERS OF EACH ADDITIONAL CHARACTERS OF EACH BLANK SPACE REQUIRED TO SEPARATE MORDS OR CHARACTERS

DATA SOURCE		JUALITY	SOURCE CODE	DWMSTOP ELEMENT	THU VAL UE	OPFRATION/FLEMENT DESCRIPTION
NF	U	MAF	937	NTLSOO1	90	SNIPS.UPEN .POSITION TO WORK, CLOSE AND PLACE ASIDE STARTS-WITH REACH TO SNIPS INCLUDES-ALL MUTIONS NECESSARY TO PICK UP SNIPS.POSITION TO WORK, REMOVE FROM WORK, CLOSE SNIPS, AND PLACE ASIDE ENDS-WITH RELEASE OF SNIPS
DNO		CAN	LA1E/F	MTL STXX	VARIABLE	SCREW, TURN IN AND TIGHTEN OR LOGSEN AND TURN OUT WITH SCREWDRIVER STARTS-WITH GET SCREWDRIVER INCLUDES-ALL MOTIONS NECESSARY TO ENGAGE SCREWDRIVER TO SLOT IN SCREW, TURN SCREW IN. TIGHTEN SCREW.AND DISENCAGE SCREWDRIVER ENDS-WITH ASIDE SCREWDRIVER CONDITIONS-APPLICABLE TO USE OF CONVENTIONAL SCREWDRIVER IN UNOBSTRUCTED LOCATION WITH NORMAL RESISTANCE.DOES NOT INCLUDE TIME TO GET
	·				241 195 396 350	SCREW AND START ON THREADS. "ADDITIONAL" CASES ON NOT INCLUDE GET AND ASIDE SCREWDRIVER CASE OI FIRST SCREW UP TO FIVE THREADS O2 EACH ADDITIONAL SCREW UP TO FIVE THREADS AND UP TO 12 INCHES BETWEEN SCREWS O3 FIRST SCREW, 5-10 THREADS O4 EACH ADDITIONAL SCREW, 5-10 THREADS AND UP TO 12 INCHES BETWEEN SCREWS
NF	U	MAF	402X	MTLSUOI	155	SHOVEL.USE.TO MOVE LOUSE MATERIAL SUCH AS SAND OR GRAVEL STARTS-WITH TURN TO MATERIAL TO BE SHOVELLED INCLUDES-ALL MUTIONS NECESSARY TO GET UNE SHOVELFUL OF MATERIAL AND TRANSFER IT TO AN OPEN CONTAINER SUCH AS A WHEELBARROW ENDS-WITH MATERIAL EMPTIED INTO CONTAINER
NF	U	MAF	2199	MTL SUO2	221	SHOVEL.USE STARTS-WITH SHOVEL IN HAND INCLUDES-ALL MOTIONS NECESSARY TO PUSH SHOVEL INTO GROUND, STEP BACK, PUSH DOWN ON SHOVEL HANDLE TO LOOSEN DIRT, LIFT SHOVELFUL OF DIRT, MOVE AND DUMP DIRT, AND RETURN ENDS-WITH SHOVEL IN POSITION TO GET NEXT SHOVELFUL OF DIRT CONDITION-APPLICABLE TO SHOVELLING TUPSOIL UR SIMILAR
AE	U .	MAW	FTCTC01	MTLTCO1	690	TUBING, CUT WITH HAND HELD TUBE CUTTER, COPPER OR ALUMINUM TUBING 1/4-1/2 INCH DIAMETER STARTS-WITH CUTTER IN HAND OVER TUBING INCLUDES—ALL MOTIONS NECESSARY TO POSITION CUTTER, ADJUST CUTTER WHEEL, AND MAKE FIVE REVOLUTIONS MITH ADJUSTMENT OF THE CUTTER WHEEL AFTER EACH REVOLUTION ENDS—WITH CUTTER IN HAND OVER TUBING CONDITION—THIS ELEMENT APPLIES TO USE OF A HAND—HELD TUBING CUTTER APPROXIMATELY FOUR INCHES LONG
AF	U	MAF	MDE-2J1	MTLTG01	69	TUDE(THO HANDLES), GET AND ASIDE STARTS-WITH REACH TO ONE HANDLE(RIGHT HAND) INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP TOOL BY ONE HANDLE, MOVE TO GRASP OTHER HANDLE WITH LEFT HAND, ADJUST GRIPS FUR USE, RELEASE WITH LEFT HAND, MOVE TOOL TO BENCH WITH RIGHT HAND, RELEASE ON BENCH ENDS-WITH RELEASE TOOL CONDITIONS-TOOL WITH TWO HANDLES, REJUIRES GRIP ON FACH HANDLE TO USE

DATA Source		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TAU VALUE	OPERATION/FLEMENT DESCRIPTION
NF .	U	MAF	3882	MTL TUO1	77	TOOL.OBTAIN FROM OPEN TOULBOX AND ASIDE TO TOTE BOX OR BENCH TOP STARTS—MITH REACH TO TOOLS IN TOOLBOX INCLUDES—ALL THE MOTIONS NECESSARY TO GET TOOL FROM OPEN TUOLBOX(INCLUDING MOVE OTHER TOOLS ASIDE), TURN TO TOTE BOX, AND DEPOSIT TOOL IN TOTE BOX ENDS—MITH RELEASE OF TOOL IN TOTE BOX CONDITION—ALSO APPLICABLE TO RETURNING TOOL TO OPEN TOOLBOX FROM TOTE BOX MHEN SEARCH FOR TOOL IN TOTE BOX OCCURS
NF	U	MAF	928	MTLTROI	132	TOOL, REMOVE, FROM AND RETURN TO BELT KIT STARTS-MITH REACH TO TOOL IN KIT INCLUDES-ALL MOTIONS NECESSARY TO REMOVE TOOL FROM BELT KIT, PLACE TO USE, AND RETURN TOOL TO KIT ENDS-WITH RELEASE OF TOOL
FFE	Ü	MAA	GTLDSA2	MTL MAG1	397	MRENCHITORQUE), ADJUST INDICATOR STARTS-WITH MRENCH IN HAND INCLUDES-ALL MOTIONS NECESSARY TO GET INDICATOR AND ADJUST INDICATOR TO DESIRED SETTING WITH 90-DEGREE TURNS ENDS-WITH MRENCH IN HAND CONDITIONS-AN AVERAGE OF FIVE REVOLUTIONS REQUIRED TO OBTAIN DESIRED SETTING
AF	U	MAA	MICE <b>001</b>	NTLHCOI	<b>**</b>	WIRE-CUT WITH DIAGONAL PLIERS STARTS-WITH SIMO REACH TO WIRE AND PLIERS INCLUDES-ALL MOTIONS NECESSARY TO PULL WIRE TIGHT.POSITION TO WIRE.CUT WIRE.AND ASIDE PLIERS ENDS-WITH RELEASE OF PLIERS
AF	u	MAO	MDE3P1	MYL WPO1	31	WRENCH(HEX NUT DRIVER), POSITION TO NUT, REMOVE STARTS-MITH WRENCH IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION A WRENCH ON A NUT PRIOR TO RUN DOWN/TIGHTEN AND TO DISENGAGE ENDS-WITH DISENGAGE WRENCH FROM NUT

TABLE

DATA OCCUP- QUALITY SOURCE DWMSTDP THU-SOURCE ATION CODE ELEMENT VALUE

TTFITXX

TTLFIXX

FFD

OPERATION/ELEMENT DESCRIPTION

FASTENER(THREADED), INSTALL WITH HAND TOOL STARTS-MITH REACH TO FASTENER INCLUDES-ALL MOTIONS NECESSARY TO GET FASTENER, START FASTENER ON THREADS BY HAND, TURN FASTENER DOWN BY HAND, ENGAGE TOOL ON FASTENER, TURN FASTENER DOWN AND TIGHTEN WITH TOOL, AND DISENGAGE TOOL ENDS-WITH TOOL IN HAND CONDITIONS-NO TIME INCLUDED FOR GET/ASIDE TOOL, REACH TO FASTENER DISTANCE IS ONE-THREE INCHES, HEAVY RESISTANCE REQUIRES TOOL TO TURN FASTENER THE TOTAL THREAD LENGTH, NORMAL RESISTANCE REQUIRES TOOL FOR FINAL THREAD.

TYPE OF T <b>OO</b> L	į	INOBST INREST	RUCTED/ RICTED RESISTA	REST	
YANKEE SCREWDRIVER	A		. <b>97</b>		
NUTDRIVER OR SCREWDRIVER	8		155		
T-HANDLE WRENCH NO RESISTANCE TO SPIN	С		169		
NORMAL RESIST. AFTER START	D		288		
ALLEN WRENCH	E	493	310		1292
RATCHET WRENCH	F	371	192		
OPEN OR BOX END, BREAKGVER, OR ADJUSTABLE MRENCH THREAD DIAMETER					
TO 5/8 INCH	G	493	208	1292	479
5/8-1 1/8 INCH	Н	662	341	1505	644
SPEED WRENCH	J		130		
SPANNER WRENCH (1 OR 2 LUGS)	K	662	341		
STRAP WRENCH (10-20 INCH HANDLE)	L	1121	627		

5-10 THREADS TYPE UNDRSTRUCTED/ OBSTRUCTED/ UNRESTRICTED OF RESTRICTED TOOL RESISTANCE HEAVY-NORMAL HEAVY-NORMAL F н E G YANKEE 132 SCREWDRIVER NUTDRIVER OR SCRENDRIVER 286 В

		DEFERS	E MOKE ME	ASUREMENT	T STAN	DARD TIME DATA ELE	MENTS			
DATA SOURCE	QUALITY	SOURCE	DUMSTOP ELEMPNT	TMU VALUE		OPERÅT I ON/FLEMEN	T DESC	RIPT ION		
FFD	MAA	TTFITXX	TTLFIXX			5-10 T	UNO UNR HEA	(CONT D) ASTRUCTED/ ESTRICTED RESIST VY-NORMAL	RES ANCE HEAV	TRUCTED/ TRICTED
						T-HANDLE MRENCH	,	E F	G	H
		•				NO RESISTANCE TO SPIN	С	319		
	•			•		NORMAL RESIST. AFTER START	D	486	•	
						ALLEN WRENCH	E 121	L3 460		1744
			*	-	•	RATCHET WRENCH	F 82	26 247		
						OPEN OR BOX END, BREAKOVER,OR ADJUSTABLE WRENCH THREAD DIAMETER TO 5/8 INCH 5/8-1 1/8 INCH	G 121	13 263 32 606	3332 3905	
						SPEED WRENCH	<u>.</u>	190	3703	737
						SPANNER WRENCH (1 OR 2 LUGS)	K 166	•		
						STRAP WRENCH (10-20 IN. HOL)	L 262	1 892		
		·				10-15 TH	UNGE	STRUCTED/ STRICTED RESIST/ Y-NORMAL	REST ANGÉ	TRUCTED/ TRICTED
							j	K	L	M
						YANKEE SCREWDRIVER	<b>A</b>	167		
						NUTDRIVER OR SCREWDRIVER	8	415		
			,			T-HANDLE WRENCH NO RESISTANCE TO SPIN	c	469		
						NORMAL RESIST. AFTER START	D	684		
						ALLEN WRENCH	E 193	3 610		2196
						RATCHET WRENCH	F 128	1 302		
						OPEN OR BOX END, BREAKOVER, OR ADJUSTABLE MRENCH THREAD DIAMETER				
						TO 5/8 INCH 5/8-1 1/8 INCH	G 1933 H 2702	3 318 2 471	5372 6305	589 1234

SPEED WRENCH

SPANNER WRENCH (1 OR 2 LUGS)

STRAP WRENCH (10-20 IN. HOL) 250

871

K 2702

L 4121 1157

DATA SOURCE	OCCUP- AT ION	QUALITY	SOURCE CODE	OWNSTOP ELEMENT	TMU	OPERATION/ELEMENT			ION .		
FF0	<b>U</b>	MAA	TTFRTXX	TTLFRXX	·TABLE	FASTENER(THREADED) REMOUS TARTS-WITH TOOL IN HI INCLUDES-ALL MOTIONS ON FASTENER, LOOSEN TOOL AS NECESSARY.	AND NEC FA DIS	WITH AT F ESSAR STENE ENGAG	MSIENEN Y TO EN R.TURN E TOOL.	GAGE TOU FASTENES GET FAST	< MT 11.
						THREADS BY MAND ENDS-WITH FASTENER IN CONDITIONS-NO TIME IN	на	MD	•		DL•
						TO FIVE TYPE OF TOOL	UN	IOBSTR IRESTR	UCTED/ ICTED RESIST/	OBSTU RESTR INCE HEAVY-	ICTED
								A	8	C	D
						YANKEE SCREMDRIVER	A		76		
						NUTDRIVER OR SCREWDRIVER	В		162		
					. •	T-HANDLE WRENCH NO RESISTANCE AFTER LOOSEN	С		115		
•						NORMAL RESIST. AFTER LOUSEN	D		212		
·						ALLEN WRENCH	E	521	277		852
			•			RATCHET WRENCH REMOVE WITH TOOL ONLY	F	364			
						LOOSEN W/TOOL. REMOVE BY HAND	G		168		
						OPEN OR BOX END, BREAKOVER, OR ADJUSTABLE WRENCH					
						THREAD DIAMETER TO 5/8 INCH 5/8-1 1/8 INCH	H	336 487	184 317	871 1060	455 620
•						SPEED WRENCH	ĸ		105		
						SPANNER WRENCH (1 OR 2 LUGS)	L	487	317	•	
			•			STRAP WRENCH (10-20-INCH HANDLE)	M	850	603		

S-10 THREADS

UNOBSTRUCTED/
UNRESTRICTED

RESISTANCE

HEAVY-NORMAL HEAVY-NORMAL

E F G H

YANKEE A 111

SCREWDRIVER

NUTDRIVER OR B 267

SCREWDRIVER

						SHADOWA ISHE DEIV BESI	reu : 2			
DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE	DUMSTOP ELEMENT	THU VALUE	uperat I on/Element	DESCRIP	TION		
ff0		MAA	TTPATAR	TTLFARE		5-10 TM	HEARS (CO UNOBST UNREST HEAVY	RUCTED/ RICTED RESIST/	RESTR	
						T-HANDLE WRENCH			•	
						NO RESISTANCE AFTER LOOSEN	C	190	٠	
						NORMAL RESIST. AFTER LOGSEN	D	410		
						ALLEN WRENCH	E 1241	427	1	304
						RATCHET WRENCH REMOVE WITH TOOL ONLY	F 819			·
						LOOSEN W/TOOL, REMOVE BY HAND	G	223		
				٠.		OPEN OR BOX END, BREAKOVER, OR ADJUSTABLE WRENCH THREAD DIAMETER TO 5/8 INCH 5/8-1 1/8 INCH	H 1056 J 1507	239 5 <b>8</b> 2		510 <b>9</b> 15
						SPEED MRENCH	K	165		
						SPANNER WRENCH (1 OR 2 LUGS)	L 1507	582		
						STRAP MRENCH. (10-20 INCH MANOLE)	M 2350	868		
			•			10 <b>-</b> 15 Ti	UNDESTR	ICTED RESISTA	OBSTRU RESTRI NCE HEAVY—N	CTED
			٠	÷		YANKEE SCREWDRIVER	<b>A</b>	146	•	
						NUTDRIVER OR SCRENDRIVER	•	372		
						T-MANOLE WRENCH NO RESISTANCE AFTER LOOSEN	C	265		
						NORMAL RESIST. AFTER LOGSEN	D ·	608		
						ALLEN MRENCH	E 1961	577	1:	756

RATCHET MRENCH REMOVE WITH TOOL ONLY

LOOSEN W/TOOL REMOVE BY HAND F 1274

276

DATA Source		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	THU	OPERATION/ELEM	IENT C	ESCRIP	TION		
FFD	U	MAA	TTFRTXX	TTLFRXX		10-15	тнае	EADS (COLUNDEST) UNREST	RUCTED/ RICTED RESISTA	REST!	RUCTED/ RICTED -NORMAL
		•						J	K	L	H
						OPEN OR BOX EN BREAKOVER,OR ADJUSTABLE MRENCH THREAD DIAME TO 5/8 INCH 5/8-1 1/8 I	TER	н 1776 J 2527	294 847	4951 5860	565 1210
						SPEED WRENCH		K	225		
						SPANNER WRENCH		L 2527	847		
						STRAP WRENCH (10-20 INCH HANDLE	(	M 3856	1133		
OFF	U	MAA	KTFAMXX	TTLFTXX	TABLE	FASTENER(THREADED). THREAD, MITH END MEE STARTS-WITH GET N INCLUDES-ALL THE WRENCH TO FAST SEAT, APPLY PRE FASTENER, REMOVE WRENCH; OR POSI PRESSURE TO WE FASTENER OUT O WRENCH FROM FA ENDS-WITH RELEASE CONDITIONS-APPLIC LOOSENING SETS INCLUDE INSTAL	ENCH, WEENCH MOTINE TENER TENER WEENCH WRITION TO THE TOTAL TENER TO THE TENER	ALLEN WHO CONTROL OF THE CONTROL OF	RENCH OR  ESSARY TASTENER  ENCH TO OM FASTE I TO FAST ISEN FAST IITH WREN ASIDE WR  HITENING ILLAR.DOE	SIMIL OPOSI ONE TH TIGHTE ENER,AN ENER,A ENER,T ICH,REM LENCH OR	TION READ TO N D ASIDE PPLY URN OVE
									FASTENE MOVE OF		
								60	120		180 C
								A	8		
						FIRST FASTENER	A	310	210		174
						EACH ADD*L FASTENER	<b>B</b> .	264	164		128
						EACH ADD*L (	c	233	133		97

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE	DWMSTUP ELEMENT	YAL UE	UPERATI	ON/E	LEMENT DI	ESCRIPTI	ON		
OL	U	MAL	TTLHUXX	TTEHUXX	TARLE	ASIDE H ENDS-WITH CONDITIONS	H RE LL M IN FO AMME RELE TIM ALI	ACH TO HI UTIONS NI R STRIKI! R ASE OF HI F VALUES GNMENT DE	AMMER ECESSARY NG.STRIK AMMER IN CULU	E DNE	BLOW, A	MD
						LENGTH		1 1 GH1	HAMMER	(10.2	. S. POLIN	INC I
						OF		NOR		110 2	WITH C	
						STROKE (INCHES	)	F IRST Blow	ADD Blow		IRST LOW	ADD Blow
								A	В		c	D
							A	63	8		74	16
					•		В	72	17		83	25
							C	81	26		92	34
							D E	90 98	35 43			
						LENGTH		MEDIUM	I HAMMER	12 5	7 5 900	NDC 1
				•		OF		NORM		1247-	WITH C	
						STRUKE		FIRST	ADD	F		ADD
						( INCHES	)	BLOW	BLOW	BL	OH	BLOW
							_	A	B		C	D
							F	70	9		81	17
							j J	79	18		90	26
							•	89	28	1	100	36
:				r		21-27	,	98 107	37 46			
OFF		MAA	RL GDMQ3	TTLPLXX	TABLE	ENDS-WITH F ENDS-WITH F CONDITIONS-	1 MAL LL TH TH A PART PART ERAGE	LET IN H HE MOTION MALLET T HT ASIDE.MA	AND S NECESS D LOOSEA LLET IN UP TO 10	ARY T GGET HAND POUN	AND AS	IDE
						NUMBER D	)F	LE	NGTH OF	STROK	E ( I NCHI	ESI
						BLOWS		_ A_	8	C	D	E
								1-3	3-9	9-15	15-21	21-27
				٠		i	A	39	48	58	67	77
						2	В	48	66	86	104	122
						3 4	Ç	57	84	114	141	168
						<b>4</b> 5	Đ	66 75	102	142	177	214
FFH	U	AAK :	STLSPXX	TTLSPXX	TABLE	SCREWDRIVER (S	DIRA	1 1 - 115 E		170	214	260
						STARTS-WITH INCLUDES-AL	SCK L MO DOWN OOL PPLII	EWDRIVER Tions Ne( Stroke ) In Place Es to Re<	CESSARY WITH SPI AFTER U	TO MAI RAL SI SE	KE ONE CREWDRI	UP VER
								LENG 2	TH OF S	TROKE		
								, Å	8	Č	5 D	6 E
						PER STROI	KE	A 10	12	15	17	19
						PER THRE	AD	8 10	8	7	7	4

## ## ## ## ## ## ## ## ## ## ## ## ##	DATA Source		DUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	UPERATION/ELEMENT DESC	CRIPTIC	N		
STARTS-WITH TOOL IN AMD, READY FOR USE	FFH	U	MAA	BTLWBXX	TTLWBXX	TABLE	WRENCH, USE, BOX END, OPEN EN	D,ALLE	WRENCH	OR	
AS INDICATED  FINS—WITH MERNCH REMOVED FROM PART AND IN HAND CONDITION—APPLICABLE TO MOVE TURN MOTIUMS. IP TO 2.5 POUNDS EFFECTIVE NET METIGHT RESISTANCE, ONE DISENGAGE AND ONE POSITION INCLUDED FOR EACH TURN  DEGREES TURNED EACH HOVE  THREAD DIAMETER(INCHES) 30 60 120 180  A B C 0  UP TO 5/8  FIRST MOVE A 30 33 37 41 ADDITIONAL MOVE B 34 40 48 56 FIRST THREAD C 404 233 133 97 ADDITIONAL THREAD D 408 240 144 112  5/8—1 1/8 FIRST MOVE E 33 38 46 54 ADDITIONAL THREAD D 408 240 144 112  5/8—1 1/8 FIRST MOVE E 33 38 46 54 ADDITIONAL THREAD D 408 240 144 112  FIRST MOVE E 33 38 46 54 ADDITIONAL THREAD D 408 240 144 112  FIRST MOVE E 33 38 46 54 ADDITIONAL THREAD D 408 240 144 112  FIRST MOVE E 33 38 46 54 ADDITIONAL THREAD D 408 240 144 112  FIRST MOVE E 33 38 46 54 ADDITIONAL THREAD D 408 240 144 112  FIRST MOVE E 33 38 46 54 ADDITIONAL MOVE F 40 50 68 85 182 ADDITIONAL THREAD D 488 FORWARD AND RETURN STRUCKT ON PART TO RETURNED ENCHOSES—ALL MOTIONS NECESSARY TO MAKE FORWARD AND RETURN STRUCKT ON PART CONDITIONS—APPLICANT TO MOVE TURN MOTIONS MITH UP TO 2.5 POUNDS ERROTTER MITH MITHONS WITH UP TO 2.0 POUNDS ERROTTER TO TURN PART AS INDICATED ENGAGE AND DISENGAGE RETURNED EACH MOVE THE FIRST MOVE A 10 15 21 25 PER MOVE C 12 18 30 46 PER MOVE C 12 18 30 46 PER THREAD D 146 107 91 88 MRIST TURN MOTION PER TURN DE 100 146 107 91 88 MRIST TURN MOTION PER TURN E 100 146 107 91 88 MRIST TURN MOTION PER TURN E 100 146 107 91 88 MRIST TURN MOTION PER TURN E 0 8 144 141							CTABTS-WITH TOOL IN HAND	,READY ESSARY	FOR USE	IRENCH	
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PER THREAD F 67 49 41 50							PER TURN		-		19
							PER THREAD	F	57 49	41	30

DATA OCCUP- QUALITY SOURCE SOURCE ATION CODE

DWMSTOP THU ELEMENT VALUE OPERATION/ELEMENT DESCRIPTION

DFF u MAA KTFXXXX STLFIXX TABLE

FASTENER(THREADED), INSTALL
STARTS-WITH GET FASTENER
INCLUDES-ALL MOTIONS NECESSARY TO PLACE
FASTENER IN MOLE, START THREADS OR GET NUT/
WASHER AND START ON BOLT, GET TOOL(S), AND TURN
FASTENER DOWN ON THREADS AND TIGHTEN
ENDS-WITH ASIDE TOOL(S)
CONDITIONS, APPLICABLE TO INSTALLATION OF BOLT
OR SCREW, CASES CG, DG, GG, HG, CS, DS, GS, AND HS
INCLUDE TIME TO USE PLIERS TO INSTALL BOLT
AND/OR WASHER AND START NUT ON THREADS.

			O THREADS	3	RUCTED
TYPE OF TOOL		PLAȚŅ A	SELF LOCKING B	PLAIN C	SELF LOCKING D
ALLEN WRENCH					
FIRST BOLT ADDITIONAL	A B			1801 1763	
BOX OR OPEN				•	
END, BREAKOVER					
ADJUSTABLE WE	1.				
1TO 5/8 INCH					
THREAD DIA.)					
FIRST BOLT	C	320	1726	591	3845
ADDITIONAL	D	282	1688	553	3807
BOLT AND NUT (USE BACKUP TOOL)	•			•	
FIRST	E	487	1893		
ADDITIONAL	Ē	411	1817		
NUT & WASHER ON STUD FIRST ADDITIONAL	G	416 378	1822 1784	1481	4281
RATCHET WR.					
FIRST BOLT		304			
ADDITIONAL	Ŋ	304 266	1339 1301		
	^	200	1301		
BOLT AND NUT (USE BACKUP TOOL)					
FIRST	L	471	1506		
ADDITIONAL	M	395	1430		
SCREWDRIVER/ NUTDRIVER		•			
FIRST BOLT	N	343	925		
ADDITIONAL	P	305	887		
BOLT AND NUT (USE BACKUP TOOL)					
FIRST	Q	521	1092		
ADDITIONAL	R.	445	1016		

BOLT, WASHER. AND NUT(USE BACKUP TOOL) FIRST

ADDITIONAL T

594

518

1165

1089

760

1434

DATA OCCUP- QUALITY SOURCE SOURCE ATION CODE

DWMSTOP THU ELEMENT VALUE

OPERATION/ELEMENT DESCRIPTION

KTFXXXX STLF1XX MAA

LO-15 THREADS UNRESTRICTED OBSTRUCTED

		OWKE 2	INTCLED	OB21KOC1ED		
		PLAIN E	SELF LOCKING F	PLAIN G	SELF LUCKING H	
	\ 3			2253 2215		
BOX OR OPEN END, BREAKOVER, ADJUSTABLE WR. 15/8 INCH THREAD DIA.)						
FIRST BOLT	5	375 337	2731 2693	646 608	6170 6132	
BOLT AND NUT (USE BACKUP TOOL)						
FERST (	E	542 466	2898 2822			
NUT & WASHER ON STUD FIRST	G	471	2827	1536	6606	
ADDITIONAL I	H	433	2789	2,,,,		
	J K	359 321	2079 2041			
BOLT AND NUT (USE BACKUP TOOL)						
	L M	526 450	2246 2170			
	N		•			
BOLT AND NUT	P	434				
(USE BACKUP TOOL) FIRST	0		1567			
ADDITIONAL   BOLT.WASHER,	R	576	1491			
AND NUT(USE BACKUP TOOL)	S	725	1640	975	1909	
	T	649	1564		• • • • •	

DATA OCCUP- QUALITY SOURCE DWMSTDP THU SOURCE ATION CODE ELEMENT VALUE

OPERATION/ELEMENT DESCRIPTION

DFF J MAA KTFXXXX STLFRXX TABLE

FASTENER(THREADED), REMOVE STARTS-MITH GET TOOL(S) INCLUDES-ALL MOTIONS NECESSARY TO LOOSEN AND REMOVE FASTENER(S)AND TO ASIDE FASTENER(S) AND TOOL(S) ENDS-WITH RELEASE OF FASTENER(S)AND TOOL(S) CONDITIONS-APPLICABLE TO REMOVAL OF BOLT, SCREM, AND/OR NUT. NO TIME INCLUDED FOR TOOL SETUP.

5-10 THREADS
UNRESTRICTED OBSTRUCTED

TYPE OF TOOL		PLAIN A	SELF LOCKING B	PLAIN C	SELF LOCKING D
ALLEN WRENCH					
FIRST BOLT	A	470		1360	
ADDITIONAL	B	432		1322	
BOX OR OPEN					
END, BREAKOVE	R,				
ADJUSTABLE W	R.				
(TO 5/8 INCH					
THREAD DIA.)					
FIRST BOLT	c	295	1511	566	3366
ADDITIONAL	Đ		1473	528	3328
BOLT AND NUT				-50	3323
FIRST	E		1623		
ADDITIONAL	F	331	1547		
RATCHET WR.					
FIRST BOLT	G	279	1318		
ADDITIONAL	H	241	1280		
	••	241	1200		
BOLT AND NUT					
TUSE BACKUP					
TOOL)					
FIRST	J	391	1430	_	
ADDITIONAL	ĸ	315	1354	-	
SCREWDRIVER/					
NUTORIVER					
FIRST BOLT	L	323	891		
ADDITIONAL	M	280	853		
					-
BOLT AND NUT					
LUSE BACKUP					
TOOL		4			
FIRST	N	402	1003		
ADDIT IONAL	₽	321	927		

10-15 THREADS UNRESTRICTED OBSTRUCTED

SELF PLAIN LOCKING PLAIN LOCKING E F G H

ALLEN WRENCH FIRST BOLT ADDITIONAL

8

DWMSTDP

OCCUP- QUALITY SOURCE

THU

OPERATION/ELEMENT DESCRIPTION

VALUE ELEMENT SOURCE ATION CODE 10-15 THREADS(CONT'D) KTFXXXX STLFREE DFF MAA UNRESTRICTED OBSTRUCTED SELF PLAIN LOCKING PLAIN LOCKING н G BOX OR OPEN END, BREAKUVER, ADJUSTABLE WR. (TO 5/8 INCH THREAD DIA.) 621 5691 350 2516 FIRST BOLT 583 5653 2478 **ADDITIONAL** 312 Ð BOLT AND NUT **LUSE BACKUP** TOOL) 2628 FIRST 462 ADDITIONAL F 2552 386 RATCHET WR. 2058 FIRST BOLT 334 296 2020 **ADDITIONAL** н BOLT AND NUT LUSE BACKUP TOOL 1 2170 FIRST ADDITIONAL K 370 SCREWORIVER/ NUTDRIVER FIRST BOLT 428 ADDITIONAL M 385 BOLT AND NUT **LUSE BACKUP** TOUL 1478 FIRST ADDITIONAL P 1402 457 FASTENER(THREADED) . TORQUE WITH SNAP TYPE KTFTQXX STLFTXX VARIABLE FFE u TORQUE WRENCH STARTS-WITH GET TORQUE WRENCH INCLUDES-ALL MOTIONS NECESSARY TO SET TO CORRECT TORQUE READING, GET SOCKET FROM OPEN BOX, ATTACH SOCKET TO TORQUE WRENCH, TORQUE FASTENER, REMOVE SOCKET, PLACE IN BUX, AND RETURN TORQUE SETTING TO ZERO ENDS-WITH ASIDE TORQUE WRENCH CONDITIONS-WRENCH HANDLE-7-12 INCHES, RESISTANCE TO TURN-TO 17.5 POUNDS ENW, THREAD DIAMETER-TO 5/16 INCH CASE OI SET UP WRENCH AND TORQUE FIRST OR 361 SINGLE FASTENER 02 TORQUE ADDITIONAL FASTENER (SAME 77 SOCKET, SAME TURQUE SETTING) KTLTTXX STLHTXX VARIABLE HOLE, TAP STARTS-WITH REACH TO GET PIN VISE FFD INCLUDES-ALL THE MOTIONS NECESSARY TO GET PIN VISE, INSTALL TAP IN PIN VISE, PLACE TAP TO WORK AND TAP ONE THREAD, CLEAR THREADS, REMOVE TUOL FROM HOLE, REMOVE TAP FROM PIN VISE AND ASIDE VISE AND TAP ENDS-WITH VISE AND TAP ASIDE CONDITIONS-DUES NOT INCLUDE LUBRICATION.UP TO 10 POUNDS RESISTANCE TO TURNS CASE OI TAP FIRST THREAD, FIRST HULE 02 TAP FIRST THREAD, EACH ADDITIONAL HULE 625 283 TO NINE INCHES FROM PRIOR HOLE 03 TAP EACH ADDITIONAL THREAD 130

0424						
SOURCE	AT ION	QUALITY	CODE	ounstop Element		OPERATION/ELEMENT DESCRIPTION
FFE	J	MAA	GMCHPXX	STLPPXX	VARIABLE	PUMPIPRESSURE), PUMP STARTS-WITH REACH TO PUMP HANDLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET PUMP HANDLE AND INSERT IN PUMPICASE 01)OR GRASP HANDLE IN PUMPICASE 02)AND MOVE HANDLE UP AND DOWN(PUMPING MOTIONS)TO PUMP UP PRESSURE ENDS-WITH REMOVE AND ASIDE HANDLE(CASE 01)OR
					119	WITH RELEASE HANDLE (CASE 02) CASE OI FIRST STROKE.GET.INSERT.ASIDE HANDLE: RESISTANCE BOTH WAYS
					51	02 FIRST STROKE, HANDLE IN PUMP, RESISTANCE
					42	ONE MAY  O3 EACH ADDITIONAL STROKE, RESISTANCE BOTH
					34	MAYS  04 EACH ADDITIONAL STROKE, RESISTANCE ONE WAY ONLY
DNO	U	MAG	L81=K13	STLRA01	572	REAMER, ASSEMBLE, POSITION, DISASSEMBLE STARTS-WITH REACH TO GET HANDLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET HANDLE, GET REAMER, INSTALL REAMER IN HANDLE, LUBRICATE REAMER, BLOW CHIPS FROM HOLE, POSITION REAMER TO HOLE, DISENGAGE REAMER FROM HOLE, REMOVE REAMER FROM HANDLE, ASIDE REAMER AND HANDLE ENOS-WITH ASIDE REAMER AND HANDLE
FFE	U	MAA	RLGDBZX	STLRFXX	VARIABLE	FITTINGIZERK).REMOVE STARTS-MITH REACH TO GET TOOL INCLUDES-ALL THE MUTIONS NECESSARY TO GET TOOL AND POSITION ON FITTING.LOOSEN AND RUN OUT FITTING.ASIDE TOOL,REMOVE FITTING AND ASIDE TO TRASH ENDS-WITH FITTING IN TRASH CONDITIONS-RUN OUT 5 TO 10 THREADS
					874	CASE OI STRAIGHT FITTING, RATCHET WRENCH, HEAVY RESISTANCE, UNDBSTRUCTED, 120 DEGREE TURNS
					1111	OZ ANGULAR FITTING, BOX. OPEN END, BREAKOVER OR ADJUSTABLE WRENCH, UNUBSTRUCTED, HEAVY RESISTANCE, THREAD DIAMETER UP TO AND INCLUDING 5/8 INCH
NF	J	MAF	1148	BTPMP01	<b>54</b>	WRENCH(IMPACT), POSITION TO BOLT OR NUT STARTS-WITH MOVE WRENCH TO BOLT OR NUT INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION AN IMPACT WRENCH TO RUN DOWN A BOLT OR NUT ENDS-WITH WRENCH IN HAND READY TO RUN DOWN BOLT OR NUT COMDITION-WRENCH WEIGHING TO 10 POUNDS
FFH	U	MAA E	BTLWPXX	BTPWTXX (	VARIABLE	WRENCH.TURN PART(POWER WRENCH.FREE RUNNING) STARTS-WITH MOVE WRENCH TO PART INCLUDES-ALL MOTIONS NECESSARY TO MOVE WRENCH TO PART,ATTACH WRENCH TO PART,AND DISENGAGE FROM PART
					30 35 39 43	ENDS-WITH WRENCH IN HAND, REMOVED FROM PART CASE 02 MOVE WRENCH 1-3 INCHES BETWEEN PARTS 06 MOVE WRENCH 3-9 INCHES BETWEEN PARTS 12 MOVE WRENCH 9-15 INCHES BETWEEN PARTS 18 MOVE WRENCH 15-21 INCHES BETWEEN PARTS

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
OL	U	MÁL	MT PDPXX	MTPDPXX	VARIABLE	ORILL, POSITION FOR DRILLING, HAND HELD PORTABLE POMER DRILL STARTS—WITH REACH TO DRILL INCLUDES—ALL MOTIONS NECESSARY TO GET DRILL, POSITION TO MARK OR PILUT HOLE, APPLY PRESSURE TO HOLD DRILL, ACTUATE TRIGGER—TYPE SMITCH, RELEASE SWITCH, REMOVE DRILL FROM HOLE, AND ASIDE DRILL ENDS—MITH RELEASE DRILL CONDITIONS—DRILL WEIGHS TO 10 POUNDS.DOES NOT INCLUDE DRILLING PROCESS TIME.APPLICABLE TO PLACING DRILL IN UNDBSTRUCTED LOCATION. CASE OI POSITION TO DRILL FIRST OR SINGLE HOLE
					83	02 POSITION TO DRILL EACH ADDITIONAL HOLE (TO 12 INCHES BETWEEN HOLES)
FFD	U	MAA	TTFITXX	MTPFIXX	<b>VARIABLĖ</b>	FASTENER(THREADED), INSTALL WITH POWER TOOL STARTS-WITH FASTENER AND POWER TOOL IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO START FASTENER WITH HAND AND RUN DOWN AND TIGHTEN WITH POWER TOOL ENDS-WITH DISENGAGE TOOL
					83	CASE OL TO FIVE THREADS
					108	02 5-10 THREADS
					133	03 10-15 THREADS
FFD	U	MAA	TTFRTXX	HTPFRXX	VARIABLE	FASTENER (THREADED) REMOVE WITH POWER TOOL STARTS-WITH ENGAGE TOOL WITH FASTENER INCLUDES-ALL THE MOTIONS NECESSARY TO PROCESS AND RUN OFF FASTENER WITH POWER TOOL ENDS-WITH FASTENER ASIDE
					86	CASE OI TO FIVE THREADS
					111	02 5=10 THREADS 03 10=15 THREADS
					136	03 10-15 INKEADS
FFH	U	HAA	MTLPDXX	MTPHCXX	VARIABLE	HOLE.COUNTERSINK OR DEBURR, 1/16 INCH DEPTH AND TO 5/8 INCH DIAMETER, ALUMINUM MATERIAL STARTS-WITH REACH TO DRILL INCLUDES-ALL MOTIONS NECESSARY TO GET DRILL, COUNTERSINK OR DEBURR ONE HOLE WITH PORTABLE
						ELECTRIC OR PNEUMATIC DRILL AND COUNTERSINK,
						AND PLACE DRILL ASIDE
						ENDS-WITH RELEASE OF DRILL CONDITIONS-DRILL WITH 1/4 INCH CAPACITY USED;
						TIME FOR INSTALLING COUNTERSINK IN DRILL NOT
					151	CASE OL COUNTERSINK OR DEBURR FIRST OR SINGLE
	*				111	HOLE OZ COUNTERSINK OR DEBURR ADDITIONAL HOLE
NF	U	MAF	1140	MTPTD01	240	TOOL (ELECTRIC POWER), DISCONNECT AND WIND CORD
						STARTS-MITH REACH TO PLUG INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE PLUG FROM SOCKET, WIND CORD AROUND BODY OF TOOL AND SECURE CORD ENDS-WITH TOOL IN HAND CONDITIONS-SOCKET IS AT BENCH LEVEL
NF	U	MAF	3163	MTPTP01	190	TOOL, PLACE IN CHUCK AND TIGHTEN STARTS-WITH REACH TO CHUCK-TOOL IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN OR CLOSE JAW, POSITION TOOL IN CHUCK, TIGHTEN JAWS BY HAND, TIGHTEN WITH CHUCK WRENCH AND ASIDE WRENCH ENDS-WITH ASIDE WRENCH

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SOURCE	OCCUP- ATION	QUALITY	SOURCE	DWMSTDP ELEMENT		OPERATION/ELEMENT DESCRIPTION
NF	u ,	MAF	3162	MTPTKOL	120	TOOL REMOVE FROM CHUCK STARTS-WITH MOVE WRENCH TO CHUCK INCLUDES-ALL THE MOTIONS NECESSARY TO LOOSEN CHUCK WITH CHUCK WRENCH-TURN CHUCK BY HAND AND REMOVE AND ASIDE TOOL ENDS-WITH TOOL ASIDE
NF	J	MAF	1139	MTPTUOL	216	TOUL(ELECTRIC POWER) JUNWIND CORD AND CONNECT PLUG STARTS-WITH POWER TOOL IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO UNWIND CORD FROM AROUND BODY OF TOOL AND INSERT PLUG INTO A SOCKET ENDS-WITH RELEASE OF PLUG CONDITIONS-SOCKET IS AT BENCH LEVEL
<b>t</b> t c	U	MAA	GTFPAXX	STPFIXX	VAR 1 ABLE	FASTENER(THREADED), INSTALL WITH POWER TOOL STARTS-WITH GET FASTENER INCLUDES-ALL MOTIONS NECESSARY TO START FASTENER, GET POWER TOOL, AND RUN FASTENER DOWN UN THREADS ENDS-WITH ASIDE TOOL CONDITION-NO TIME INCLUDED FOR ALIGNING HOLES. FASTENER INSTALLED TO 10 THREADS DOES NOT
					342	INCLUDE TIME FOR SETUP OF POWER TOOL CASE OL INSTALL FIRST FASTENER AND NUT
					194	(INCLUDES GET.USE, ASIDE BACKUP TOOL) OZ INSTALL EACH ADDITIONAL FASTENER AND NUT(DOES NOT INCLUDE GET AND ASIDE
					171	TOOLS) 03 INSTALL FIRST BOLT TO NUT PLATE OR NUT
<u> </u>					150	TO STUD(REQUIRES NO BACKUP TOOL)  O4 INSTALL EACH ADDITIONAL FASTENER TO NUT PLATE OR STUD(DOES NOT INCLUDE GET AND ASIDE TOOL)
FFE		MAA (	GTFPDXX	STPFRXX		FASTENFR(THREADED), REMOVE WITH POWER TOOL STARTS-WITH GET POWER TOOL INCLUDES-ALL MOTIONS NECESSARY TO POSITION TOOL(S) TO FASTENER, RUN OUT FASTENER, REMOVE AND ASIDE FASTENER ENDS-WITH ASIDE TOOL(S) CONDITIONS-NO TIME INCLUDED FOR SETUP OF POWER TOOL
•				*	302	CASE OI REMOVE FIRST BOLT AND NUT(INCLUDES GET.USE.AND ASIDE BACKUP TOOL)
					200	OZ REMOVE EACH ADDITIONAL BOLT AND NUT (DOES NOT INCLUDE GET AND ASIDE TOOLS)
		•	•		179	OS REMOVE FIRST BOLT OR NUT FROM NUT PLATE OR STUDINO BACKUP TOOL)
					132	04 REMOVE EACH ADDITIONAL BOLT OR NUT FROM NUT PLATE OR STUDIODES NOT INCLUDE GET AND ASIDE TOOL)
DFF	U .	MAA K	TLORAL	STPTIOL	486	TOOL, INSTALL IN AND REMOVE FROM CHUCK OF PORTABLE DRILL MOTOR  STARTS-WITH GET DRILL MOTOR  INCLUDES-ALL MOTIONS NECESSARY TO GET TOOL,  PLACE IN CHUCK, HAND TIGHTEN CHUCK, GET CHUCK KEY, TIGHTEN CHUCK, AS IDE CHUCK KEY, GET CHUCK KEY, LOOSEN CHUCK, REMOVE AND AS IDE TOOL, AS IDE CHUCK KEY, AND AS IDE DRILL MOTOR  ENDS-WITH RELEASE OF DRILL MOTOR  CONDITIONS-DRILL MOTOR WEIGHS TO 10 POUNDS

DATA Source		QUALITY	SOURCE COOE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
<b>DL</b>	U	MAL	MVSPPO1	MYSPPOL	256	PART, PLACE IN AND REMOVE FROM VISE STARTS-WITH REACH TO VISE HANDLE, PART IN UTHER HAND INCLUDES-ALL MOTIONS NECESSARY TO UPEN VISE BY CRANKING HANDLE TWO REVOLUTIONS, PLACE PART IN VISE, CLUSE AND TIGHTEN VISE, REACH TO PART AND VISE HANDLE, OPEN VISE TWO REVOLUTIONS OF HANDLE, REMOVE PART, AND CLOSE VISE TWO REVOLUTIONS ENDS-WITH RELEASE OF VISE HANDLE, PART IN HAND CONDITIONS-PART WEIGHS 2.5 POUNDS OR LESS.NO TIME INCLUDED TO OBTAIN OR ASIDE PART.
MAA	J	MAA	MYSTLXX	MVSQAXX	VARIABLE	VISE(QUICK ACTING), LOOSEN OR TIGHTEN
FFF	U	MAA	MVSRVXX	MVSRVXX	VARIABLE	VISE, ROTATE STARTS-MITH ONE HAND ON VISE AND OTHER HAND ON INDEX LOCK LEVER INCLUDES-ALL MOTIONS NECESSARY TO UNLOCK VISE, ROTATE, AND LOCK VISE ENDS-MITH ONE HAND ON VISE AND OTHER HAND ON LOCK LEVER CONDITION-LIMITED TO MOVES WITH 2.5 POUNDS OR LESS RESISTANCE
					81 89	CASE OI ROTATE VISE UP TO 45 DEGREES OZ ROTATE VISE 45-135 DEGREES
NAA	u '	MAA	MVSTLXX	MVSTLXX	31	VISE,TIGHTEN OR LODSEN BY HAND STARTS-WITH HAND(S) UN VISE HANDLE INCLUDES-ALL MOTIONS NECESSARY TO TIGHTEN OR LODSEN A BENCH VISE BY HAND ENDS-WITH HAND(S) ON VISE HANDLE CASE OI SMALL VISE,UP TO 9-INCH HANDLE
					39 47	DIAMETER  OZ MEDIUM VISE,9-15 INCH HANDLE DIAMETER  O3 LARGE VISE,15-21 INCH HANDLE DIAMETER
NF	U	MAF	3966	MVSTSXK	VARIABLE	TRIPODIWITH VISE).SET UP TO USE OR TAKE DUWN AFTER USE, EFFECTIVE NET WEIGHT TO 30 POUNDS STARTS-WITH VISE IN HAND AT WURKPLACE INCLUDES-ALL MOTIONS NECESSARY TO MOVE VISE INTO POSITION, BEND. OPEN TRIPOD LEGS.AND ARISE (CASE 01);OR BEND TO GET LEGS.CLOSE THREE LEGS.LOWER TRIPUD TO FLOOR, AND ARISE (CASE 02) ENDS-WITH BODY IN ERECT POSITION
					313 278	CASE OL SET UP TRIPOD OZ TAKE DOWN TRIPOD
N°	U	MAF	4104	MVS VC01	291	VISEIBENCH), DPEN AND CLUSE(1/4 INCH) STARTS-MITH A REACH TO VISE HANDLE INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN AND CLOSE A HAND OPERATED BENCH VISE ENDS-WITH RELEASE OF VISE HANDLE
AF	Ü	OBW	32814	MVS VT 01	173	VISE, TIGHTEN AND LOOSEN WITH WRENCH STARTS-WITH REACH TO WRENCH INCLUDES-ALL THE MOTIONS NECESSARY TO GET A WRENCH, POSITION ON TIGHTENING SCREW, TIGHTEN, AND LUGSEN AND ASIDE WRENCH ENDS-WITH RELEASE OF WRENCH ASIDE CONDITIONS-TIGHTEN WITH ONE 180 DEGREE TURN

DATA Source	OCCUP- AT ION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	U	MAA	BWHRFXX	BWHCRXX	<b>VARIABLE</b> 63  69 81	CABLE, ROUTE THROUGH FRAME UPENING STARTS—MITH LEFT HAND ON CABLE AND RIGHT HAND HAS RELEASED PREVIOUS OBJECT INCLUDES—ALL MUTIONS NECESSARY TO PASS 12 INCHES OF CABLE THROUGH AS OPENING OF GROMMET HOLE IN AL ELECTRICAL CHASSIS OR FRAME ENDS—WITH LEFT HAND ON CABLE AND RIGHT HAND HAS RELEASED CABLE CONDITIONS—INCLUDES CABLE UP TO 5/8 INCHES IN DIAMETER AND WIRE GAGES FROM 12—26. THE CABLE HAS BEEN LACED AND THE LEADS PREPARED FOR PLACING THE CABLE THRU THE HOLE OR OPENING. CASE OI LOOSE FIT—MHEN THE HOLE DIAMETER IS 1 INCH (2X1/2) LARGER THAN THE CABLE O2 CLOSE FIT—MHEN THE HOLE DIAMETER IS 1/2 INCH (2X1/4) LARGER THAN THE CABLE O3 TIGHT FIT IS WHEN THE HOLE DIAMETER IS
FFH	U	TUA	BWHGHO1	BWHGHO1	221	DIAMETER  GUNISOLDER), HEAT TIP TO SOLDER TEMPERATURE STARTS—WITH SOLDER GUN IN HAND, FINGER ON TRIGGER  INCLUDES—ALL THE TIME NECESSARY TO DEPRESS TRIGGER AND HOLD TO HEAT TIP TO SOLDER TEMPERATURE ENDS—WHEN TIP IS AT SOLDER TEMPERATURE CONDITIONS—ALL WELLER(AND SIMILAR) SOLDER GUNS ALL WATTAGES
FFH	U	HAA	BM HQHQ1	BWHHOO1	20	HEAT SINK, OPEN AND CLOSE STARTS-WITH FINGERS ON HEAT SINK, PREPARATORY TO OPENING INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN AND CLOSE HEAT SINK ENUS-WITH THE CLOSING OF THE HEAT SINK
FFH	U	HAA F	SMHZWO I	BWH I SO 1	49	INSULATION, STRIP FROM WIRE TO ONE INCH STARTS—WITH STRIPPERS ON WIRE AND READY FOR STRIPPING ELEMENT INCLUDES—ALL MOTIONS NECESSARY TO STRIP WIRE ENDS—WHEN THE STRIPPER LEAVES THE WIRE AND READY FOR NEXT MOTION CONDITIONS—HAND OPERATED STRIPPER, WIRE DIAMETER IS SET PROPERLY AND NEEDS NO ADJUST— MENT. WIRE 12—26 GAGE SINGLE CONDUCTOR OR STRANDED, NON SHIELDED, PLASTIC OR FIBER
FFH (		MAA B	MHTCXX	BWHITXX VI	6 51 49	IRON(SOLDERING).TIN STARTS—WITH SOLDER IN POSITION FOR FIRST SOLDER APPLICATION INCLUDES—ALL MOTION NECESSARY TO TIN SOLDERING IRON TIP ENDS—MITH SOLDERING IRON HELD IN ONE HAND AND SOLDER IN OTHER HAND.CLOSE TO IRON TIP CUNDITIONS—37.5 TO 47.5 WATT IRON WITH 1/8 TO 3/16 INCH TIP.60 TIN/40 LEAD RESIN CORE SOLDER. MOVES REQUIRED TO APPLY SOLDER LIMIT OUT SOLDER MELT PROCESS TIME. APPLICABLE TO TINNING WIRE LEAD. CASE OI TIN SOLDERING IRON TIP BEFORE SOLDERING O2 TIN SOLDERING IRON AFTER CLEANING O3 TIN WIRE LEAD END WITH SOLDERING IRON

DATA Source		QUALITY		DWMSTDP HLEMENT	TMU VACUI	OPERATION/FLEMENT DESCRIPTION
FFH	U	MAA	8WHLTXX	<b>ВЫНЕТОІ</b>	VARTABLE	LACE, TIE CLOVE HITCH AND OVERHAND KNOT STARTS-WITH CABLE IN LEFT HAND, AND CORD HELD IN POSITION AT CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO TIE A KNOT TO START OR END LACING DE CABLE, OR TO TIE SINGLE KNOT ON CABLE ENDS-WITH KNOT COMPLETED AND CORD IN HANDS CONDITIONS-WAXED LACING CORD CASE OL TIE CLOVE HITCH AND OVERHAND KNOT
					458	O2 TIE CLOVE HITCH AND OVERHAND KNOT IN CHASSIS
FFH	U	MAA	BWHLU11	1001HMR	30	LACING(CORD), UNWIND FROM SPUOL PER FOOT STARTS-WITH SPOOL IN RIGHT HAND AND LEFT HAND REACH TO CORD WITH LEFT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO UNWIND EACH FOOT OF LACING CORD FROM SPOOL ENDS-WITH RIGHT HAND HOLDING SPOUL AND LEFT HAND HAS RELEASED CORD.
FFH	U	MAA	BWHRPXX	вынкыхх	VARIABLE	WIKE, ROUTE PAST POST, PIN OR OBSTRUCTION STARTS—WITH HAND ON WIRE, AT THE POST, PIN, OR OBSTRUCTION INCLUDES—ALL MOTIONS NECESSARY TO ROUTE WIRE TO 90 DEGREES ARC OR ANGLE AROUND OBSTRUCTION ENDS—AT COMPLETION OF ROUTE WITH HANDS READY TO ROUTE CONDITIONS—WIRE 12—26 GAGE NON SHIELDED SINGLE CONDUCTOR STRANDED WITH PLASTIC OR BRAID INSULATION
					20 61	CASE OI ROUTE WIRE AROUND POST, PIN, OR OBSTRUCTION, 2 SIDES WITH HANDS OF ROUTE WIRE AROUND POST, PIN, DR OBSTRUCTION, 3 SIDES WITH HANDS
<b>AE</b>	Ų	MAW	FPLSWXX	вынѕыхх	VARIABLE	WIRE, STRAIGHTEN WITH PLIERS STARTS-WITH WIPE AND PLIERS IN HAND INCLUDES-ALL MOTIONS NECESSARY TO GRIP WIRE AND STRAIGHTEN WIRE WITH PLIERS ENDS-WITH PLIERS IN HAND OVER WIRE CASE OF STRAIGHTEN WIRE, FIRST APPLICATION 02 STRAIGHTEN WIRE, EACH ADDITIONAL
FFH	U	MAA		BWHTLXX	120	APPLICATION  LEAD, TWIST ON TERMINAL STARTS—WITH PLIERS IN POSITION TO GRASP LEAD INCLUDES—ALL MOTIONS REQUIRED TO TWIST AND CRIMP ONE LEAD TO A TERMINAL IN PREPARATION FOR SULDERING LEAD TO TERMINAL ENDS—WITH LEFT HAND HOLDING WIRE OR COMPONENT AND RIGHT HAND READY TO RELEASE THE LEAD CUNDITIONS—TERMINALS INCLUDE POST, PIN AND EYELFT TYPES.LEAD PREVIOUSLY BENT TO FORM HOOK AND POSITION ON TERMINAL USE LONG NOSE PLIERS CASE OI TWIST WIRE LEAD ON TERMINAL POST, PIN OR EYELET D2 CRIMP COMPONENT ON TERMINAL
FFH	ו ט	MAA	Вынврог	В МНМВ Х	VARIABLE	WIRE, BEND WITH PLIERS STARTS-WITH PLIERS POSITIONED AT POINT ON WIRE INCLUDES-ALL MOTIONS REQUIRED TO BEND WIRE WITH PLIERS FNOS-WITH LEFT HAND HOLDING WIRE, AND RIGHT HAND READY TO MOVE PLIERS AWAY FROM BENT WIRE CONDITIONS-WIFE 12-26 GAGE INSULATED OR BARF CASE OI BEND WIPE UP TO 90 DEGREES WITH PLIERS 02 BEND WIRE 90-180 DEGREES WITH PLIERS

DATA Source	OCCUP- ATION	QUALITY	SOURCE CUDE	DWMSTDI ELEMFN		OPERATION/ELEMENT DESCRIPTION
<b>A</b> E	U	MAW	FPL BW01	ВИМЫВО.	3 46	WIRE, BEND TO FORM LOOP USING PLIERS STARTS—WITH WIRE IN HAND AND PLIERS POSITIONED  UN WIRE INCLUDES—ALL MOTIONS NECESSARY TO BEND WIRE TO PARTIALLY FORM LOOP, REPOSITION PLIERS ON WIRE, AND BEND TO COMPLETE LOOP ENOS—WITH PLIERS IN HAND ENDS—WITH PLIERS IN HAND CONDITTION—APPLICABLE TO 14 GAGE STEEL WIRE OR SIMILAR
FFH	U	MAA	Вынвно1	8WHW804	18	WIRE, BEND UP TO 120 DEGREES WITH HANDS STARTS-WITH HANDS ON WIRE INCLUDES-ALL THE MOTIONS NECESSARY TO BEND WIRE TO 120 DEGREES WITH FINGERS ENDS-AT COMPLETION OF BEND WITH BOTH HANDS ON WIRE READY FOR NEXT MOTION SEQUENCE CONDITION-WIRE 12 TO 26 GAGE, INSULATED OR BARE
FFH	U	MAA	BWHDC01	BWHWDOL	99	WIRE.DRESS INTO AN INSIDE CORNER STARTS-AFTER GRASP BY LEFT HAND AND PLIERS IN RIGHT HAND READY FOR DRESS MIRE ELEMENT INCLUDES-ALL MOTIONS NECESSARY TO BEND A STRAIGHT WIRE AND POSITION WIRE INTO CORNER ENDS-WIRE IS PUSITIONED IN CORNER WITH LEFT HAND CONDITIONS-THIS COVERS ALL SOLID OR STRANDED COPPER WIRE WITH FABRIC OR PLASTIC COVERING. WIRE GAGE 12 TU 26 INCLUDED. THIS INCLUDES GENERAL CASES WHERE THE WIRE IS CONNECTED AT ONE OR BOTH ENDS AT TIME OF WIRE DRESSING AND OUTSIDE CORNER WHEN WIRE CONNECTED ON ONE END
FFH	U	MAA .	BMHRC01	BWHWRO1	20	WIRE.ROUTE IN CHANNEL OR AGAINST FRAME STARTS-WITH BOTH HANDS ON MIRES INCLUDES-ALL MOTIONS REQUIRED TO PRESS SEVERAL MIRES INTO PLACE ALONG FRAME OR CHANNEL. MOVE WIRES TO 6 INCHES ENDS-WITH MIRE IN PLACE AND HANDS READY TO MOVE TO NEXT LENGTH UF WIRE.OR START NEXT MOTION SEQUENCE CONDITIONS-MIRE.12-26 GAGE.NON SHIELDED SINGLE CONDUCTOR OR STRANDED WITH PLASTIC OR BRAID INSULATION
FFH	U	HAA	BWHSHXX ·	BMHWSXX	VARIAGLE 23 27 32	WIRE, STRAIGHTEN BY HAND STARTS—AFTER WIRE HAS BEEN GRASPED INCLUDES—ALL MOTIONS REQUIRED TO STRAIGHTEN WIRE BY HAND ENDS—WITH HAND NEAR END OF WIRE CONDITIONS—WIRE, 12=26 GAGE, NON SHIELDED SINGLE CONDUCTOR OR STRANDED WITH PLASTIC OR BRAID INSULATION CASE 01: STRAIGHTEN WIRE 3 INCHES LONG 02 STRAIGHTEN WIRE 3=9 INCHES LONG 03 STRAIGHTEN WIRE 9=15 INCHES LONG

DATA Source		QUALITY	SOURCE	DWMSTOP ELEMENT	TMU VAL UE	OPERATION/ELEMENT DESCRIPTION
FF	U	MAA	<b>BWHTBXX</b>	винитхх	VARTABLE  62 86	WIRES, TWIST TU ROUTE THRU OPENING STARTS—WITH LEFT HAND HOLDING CABLE AND REACH TO CABLE WITH RIGHT HAND INCLUDES—ALL MOTIONS NECESSARY TO TWIST WIRE IN PREPARATION TO PLACING CABLE INTO OPENING ENDS—WITH LEFT HAND ON CABLE AND RIGHT HAND READY FOR NEXT MOTION CUNDITIONS—WIRE 12—26 GAGE, NON SHIELDED SINGLE CONDUCTOR OR STRANDED WITH PLASTIC OR BRAID INSULATION. INCULDED ARE LEADS FROM 1—4 1/2 INCHES IN LENGTH CASE 01 TWIST BUNDLE 2—10 WIRES TO ROUTE THRU OPENING OZ TWIST BUNDLE 11—30 WIRES TO ROUTE THRU OPENING
FFH	U	HAA	BWHTSOI	выныт03	32	WIRE, TWIST STRAND OF LEAD STARTS-WITH REGRASP OF WIRE WITH RIGHT HAND INCLUDES-ALL MOTIONS NECESSARY TO TWIST STRANDED WIRE FOR TINNING OR INSULATION ENDS-WITH RELEASE OF WIRE CONDITIONS-STRANDED WIRE, 12 TO 26 GAGE, NON-SHIELDED SINGLE CONDUCTOR WITH PLASTIC OR BRAID INSULATION
FF	U	MAA	BWHTB11	BWHWU01	54	WIRES-UNTWIST AFTER ROUTE THRU OPENING STARTS-WITH LEFT HAND HOLDING CABLE AND REACH TO CABLE WITH RIGHT HAND INLCUDES-ALL THE MOTIONS NECESSARY TO UNTWIST THE LEADS OF A CABLE WHEN THEY HAVE BEEN PREVIOUSLY TWISTED ENDS-WITH LEFT HAND HOLDING CABLE AND RIGHT HAND DISENGAGED FROM LEADS CONDITION-WIRE GAGE 12-26
FFH	U	MAA	MMHLCXX	MWHCLXX	VARIABLE 305 555	CABLE, LACE WITH KNUT STARTS-WITH GET CORD INCLUDES-ALL THE MOTIONS REQUIRED TO TIE CLOVE HITCH AND OVERHAND KNOT AND CUT EXCESS CORD AFTER TYING ENDS-WITH ASIDE DIAGONAL PLIERS CASE OI TIE CLOVE HITCH AND OVERHAND KNOT IN OPEN AREA 02 TIE CLOVE HITCH AND OVERHAND KNOT IN CHASSIS
FFH	U	MAA	мынын11	мыннио1	320	HARNESS, UNWRAP VINYL TAPE FROM 1-3 INCHES OF STARTS-WITH GET CUTTERS INCLUDES-ALL MOTIONS REQUIRED TO GET, PLACE AND ASIDE CUTTERS, CUT, REMOVE AND ASIDE VINYL TAPE ENDS-WITH RELEASE OF CUTTERS
FFH	U	HAA	<b>ныныно</b> 2	MANHINO I	2856	HARNESS, WRAP 1-3 INCHES OF HARNESS WITH 1/2 INCH VINYL TAPE—RESTRICTED STARTS-WITH GET ROLL OF VINYL TAPE INCLUDES-MOTIONS TO GET AND ASIDE CUTTER, ROLL OF TAPE, CUT TAPE, WRAP 1-3 INCHES OF HARNESS, ATTACH CLIP REFORE TYING OR LACING AND REMOVE CLIP ENDS-WITH RELEASE OF CLIP CONDITIONS-1/2 INCH VINYL TAPE. DOES NOT INCLUDE LACING OF HARNESS. HARNESS CLOSE TO CHASSIS, RESTRICTED, REQUIRES THE AID OF PLIERS

DATA SOURCE		QUALITY	SOURCE	DWMSTOP ELEMENT	TAU VAL UE	OPERATION/ELEMENT DESCRIPTION
ff	IJ	MAA	MMHTGXX	MMHITXX	VARIABLE	IRON(SOLDERING).TIN BEFORE SOLDERING OR AFTER CLFANING STARTS-WITH IRON AND SOLDER IN HANDS INCLUDES-ALL MOTIONS REQUIRED TO APPLY SUFFICIENT SULDER TO IRON TIP TO INSURE GOOD CONTACT WHILE SOLDERING ENDS-WITH SOLDER NEAR TIP OF SOLDERING IRON CONDITIONS-37.5 TO 47.5 WATT IRON WITH 1/8 TO 3/16 INCH TIP-SOLDER 60 TIN/40 LEAD, CASE OI TIN SOLDERING IRON BEFORE SOLDERING
FFH	U	MAA	MWHCL01	MWHLC01	78 43	02 TIN SULDERING IRON AFTER CLEANING
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		LEAD, CHOOSE FROM WIRE BUNDLE STARTS-WITH BUNDLE OF WIRES IN HAND INCLUDES-ALL THE MOTIONS REQUIRED TO SELECT UNE LEAD FROM A BUNDLE OF WIRES ENDS-WITH WIRE ASIDE AND HAND ON WIRE READY FOR NEXT MOTION SEQUENCE CONDITIONS-12 TO 26 GAGE WIRE NON-SHIELDED
FFH	U	MAA	MMHDLO1	MWHLD01	198	LEAD, DRESS WITH PLIERS STARTS-WITH LEFT HAND NEAR WIRE AND RIGHT HAND HOLDING PLIERS NEAR TERMINAL INCLUDES-ALL THE MOTIONS NECESSARY TO DRESS A WIRE END OR COMPONENT LEAD AT TERMINAL ENDS-WITH RELEASE OF PLIERS AND LEFT HAND HOLDING COMPONENT OR WIRE
FFH	U	<b>MAA</b>	Mahilor	MUHLMO'I	144	LEAD(COMPONENT), MEASURE AND CUT THO ENDS TO LENGTH STARTS-WITH GET LEAD INCLUDES-ALL THE MOTIONS REQUIRED TO MEASURE AND CUT TO LENGTH BOTH LEADS OF A COMPONENT ENDS-WITH COMPONENT IN LEFT HAND AND CUTTERS IN RIGHT HAND NEAR COMPONENT CONDITION-COMPONENTS SUCH AS DIODES AND RESISTORS
FFH	U	MAA	MWHLLO2	MMHL MO2	165	LEAD. MEASURE AND CUT TO LENGTH STARTS-WITH REACH TO GET LEAD INCLUDES-ALL THE MOTIONS REQUIRED TO MEASURE AND CUT LEAD TO LENGTH ENDS-WITH LEAD CUT AND TOOLS ASIDE CONDITIONS-STANDARD APPLIES ONLY TO NEW INSTALLATIONS OR REROUTING OF EXISTING LEADS TO NEW LOCATIONS
FFH	U	MAA .	MWHSHO1	MWHLS01	182	LEADICOMPONENT), STRAIGHTEN WITH HANDS STARTS-WITH GET COMPONENT INCLUDES-ALL THE MOTIONS NECESSARY TO GET COMPONENT FROM WORK BENCH, ORIENT, CHECK FOR INSULATION AND STRAIGHTEN LEADS BY HAND ENDS-WITH ONE HAND HOLDING COMPONENT AND OTHER HAND NEAR SECOND LEAD CONDITIONS-COMPONENTS SUCH AS DIODES AND RESISTORS
FFH	U	MAA 1	MWHTSO I	WMHC101	51	LEAD, TWIST STRANDED WIRE BY HAND STARTS—WITH REACH TO WIRE END WITH ONE HAND, OTHER HAND HOLDING WIRE INCLUDES—ALL THE MOTIONS NECESSARY TO GRASP AND TWIST STRANDED WIRE TWO REVOLUTIONS BY HAND ENDS—WITH RELEASE WIRE CONDITIONS—STRANDED WIRE, 12—26 GAGE
FFH	U	MAA 3	WHLUI I	MWHLU01	85	LACING CURD, UNWIND ONE FOOT FROM SPOOL STARTS-WITH REACH TO SPOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET SPOOL AND UNWIND ONE FOOT OF CORD ENDS-WITH RELEASE OF SPOOL

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	THU	UPERATIUN/ELEMENT DESCRIPTION
FFH	U	MAA	<b>МЫНАМО1</b>	MUHMAO3	418	MARKER(E-Z CUDE), APPLY STARTS-MITH REACH TO GET E-Z CODE TAPE CARD INCLUDES-ALL THE MOTIONS REQUIRED TO GET AND ASIDE CARD OF E-Z CUDE, GET USE AND ASIDE TOOLS, APPLY E-Z CODE TO ITEM ENDS-MITH LEFT HAND UN CODED ITEM AND FINGERS OF RIGHT HAND ON E-Z CODE TAPE CONDITIONS-FABRIC BACKED TABBED AND DECAL TYPE NON-TABBED E-Z CODE TAPE MARKERS
FFH	U	MAA	мына101	MWHSA01	202	SPAGMETTI, APPLY-MEASURE, CUT AND INSTALL STARTS-WITH GET INSULATION SPAGMETTI FROM BENCH WITH LEFT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO GET, PLACE, MEASURE AND CUT INSULATION SPAGMETTI WITH DIAGONAL CUTTERS, PLACE ON WIRE AND SLIDE DOWN AFTER CONNECTION ENDS-WITH INSULATION MOVE TO CONNECTION POINT CONDITIONS—INSULATION UP TO TWO INCHES IN LENGTH
FFH	U	MAA	мына 102	MWHSS01	22	SPAGHETTI, SLIDE STARTS-WITH REACH TO SPAGHETTI INCLUDES-ALL THE MOTIONS NECESSARY TO SLIDE SPAGHETTI UP OR DOWN WIRE ENDS-WITH SPAGHETTI MOVED FROM ONE TO THREE INCHES CONDITIONS-SPAGHETTI UP TO TWO INCHES IN LENGTH
FFH	U	MAA	мынитхх	MUHTMO1	285	TERMINAL, MOUNT TO CHASIS STARTS-WITH REACH TO TERMINAL INCLUDES-ALL THE MOTIONS NECESSARY TU GET TERMINAL AND TOOL AND MOUNT TERMINAL ENDS-WITH TOUL TOUCHING TERMINAL PART CONDITION-APPLICABLE TO SNAP LOCK TERMINAL OR TERMINAL MOUNTED WITH SCREW
FfH	U	MAA	MMHRUXX	Namarxx	L60	WIRE.ROUTE THROUGH WIRES  STARTS-WITH LEFT HAND HOLDING WIRE NEAR WIRES  THROUGH WHICH LEAD WILL BE THREADED  INCLUDES-ALL MOTIONS REQUIRED TO GET.PLACE AND  ASIDE TOOL AND ROUTE LEAD UNDER OR BETWEEN  OHSTRUCTING WIRES  ENDS-WITH WIRE ROUTED AND TOOL ASIDE  CONDITIONS-WIRE.12-16 GAGE  CASE 01 ROUTE WIRE THROUGH WIRES WITH TOOL  1ST OBSTRUCTION  02 ROUTE WIRE THROUGH WIRES WITH TOOL  EACH ADDITIONAL OBSTRUCTION
FFH		MAA	MWHSMXX	MWHWSXX	VARIABLE	WIRE, STRIP END STARTS-WITH GET STRIPPER INCLUDES-ALL MOTIONS REQUIRED TO GET, PLACE AND ASIDE STRIPPER AND STRIP ONF WIRE END ENDS-WITH TOOL ASIDE CONDITIONS-WIRE, 12-16 GAGE, MANUAL STRIPPER CASE O1 STRIP WIRE END-FIRST LEAD END O2 STRIP WIRE END-EACH ADDITIONAL LEAD END
ffr	ı U	TUA	минтсхх	мыныто1		WIRE, TIN LEAD END STARTS—WITH IRON AND SOLDER IN HAND INCLUDES—ALL THE MOTIONS AND PROCESS TIME TO TIN A WIRE LEAD IN PREPARATION TO CONNECTING WIRE TO A TERMINAL ENDS—WITH SOLDER AND IRON TWO INCHES FROM LEAD WIRE

DATA SOURCE		JUALITY	SQURCE CODE	DWMSTD# ELEMENT		UPERATION/FLEMENT DESCRIPTION
NF	ນ	MAF .	2649	MAHAROS	35	WIRE(IR SULDER), UNROLL FROM SPUOL, SIX INCH LENGTH STARTS-WITH REACH TO END OF WIRE ON SPOOL HELD IN HAND INCLUDES-ALL MOTIONS NECESSARY TO GET END OF WIRE AND UNROLL SIX INCHES ENDS-WITH RELEASE OF WIRE WITH ONE HAND AND THE SPOOL IN THE OTHER HAND
NAA	U	MAA	BWRLLXX	BWRLLXX	VARIABLE	LETTER.WRITE, LUNGHAND STARTS—(CASE 01) HITH WRITING INSTRUMENT IN CONTACT WITH WRITING SURFACE.(CASE 02) WITH WRITING INSTRUMENT WITHIN ONE INCH OF THE WRITING SURFACE 1LUDES—ALL MOTIONS NECESSARY TO WRITE ONE LETTER ENDS—WITH WRITING INSTRUMENT IN CONTACT WITH THE SURFACE CASE 01 WRITE UNE LETTER, LONGHAND. LOWER CASE
NAA	J.	MAA	<b>BWRLPXX</b>	BWRLPXX	23 VARIABLE	UZ WRITE ONE LETTER, LONG IAND, UPPER CASE
						STARTS AITH WRITING INSTRUMENT WITHIN ONE INCH OF WRITING SURFACE INCLUDES WALL MOTIONS NECESSARY TO PRINT ONE LETTER ENDS WITH WRITING INSTRUMENT IN CONTACT WITH SURFACE
					18	CASE OI PRINT ONE LETTER. LOWER CASE OZ PRINT ONE LETTER. UPPER CASE
NAA	U	MAA	BWRMOO1	BMR MUO1	8	INSTRUMENT(WRITING), MOVE TO NEXT WORD WHEN WRITING LONGHAND, LOWER CASE STARTS-WITH WRITING INSTRUMENT IN CONTACT WITH WRITING SURFACE AFTER FINISHING PREVIOUS WORD INCLUDES-MOVING INSTRUMENT LESS THAN ONE INCH AND GETTING IT INTO POSITION FOR WRITING NEXT WORD FNDS-WITH INSTRUMENT READY FOR WRITING NEXT WORD CONDITION-WHEN THE DISTANCE BETWEEN WORDS IS ONE INCH OR MORE A BASIC PLACE ELEMENT IS REQUIRED TO MOVE THE WRITING INSTRUMENT TO THE NEXT WORD
FFH	U	MAA	BWRNGO1	8WRNO01	16	NUMBER.WRITE.PER DIGIT STARTS-MITH THE WRITING INSTRUMENT WITHIN UNE INCH OF THE WRITING SURFACE INCLUDES-FORMATION OF A DIGIT ENDS-WITH WRITING INSTRUMENT IN CONTACT WITH THE WRITING SURFACE
FFJ	U	MAA (	BWŔPSXX	BWRPAXX	VARIABLE	PUNCTUATION. ANNOTATE STARTS—MITH WRITING IMPLEMENT WITHIN ONE INCH OF STARTING POINT INCLUDES—MOVE TO WRITING SURFACE AND FORMATION OF PUNCTUATION MARK ENDS—WITH WRITING IMPLEMENT IN HAND IN CONTACT WITH WRITING SURFACE CONDITIONS—NOT APPLICABLE TO PRECISE PRINTING USE ONLY WITH ORDINARY WRITING OR FREEHAND PRINTING
					8 10	CASE OI FORMATION OF A PERIOD OR DOT OZ_FORMATION OF A COMMA,APOSTROPHE,LINE
					17	OR DASH  O3 FURMATION OF A COLON-SEMI-COLON-UR
					19	EXCLAMATION POINT 04 FORMATION OF PARENTHESES, DITTO MARK,
					29	QUESTION MARK.OR SINGLE QUOTATION MARK OS FORMATION OF AN ASTERISK

DATA SOURCE		QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUF	OPERATION/ELEMENT DESCRIPTION
FFH	U	MAA	BURMSXX	BWRSWXX	VAR I ABL F	SYMBOLS, WRITE STARTS-WITH WRITING IMPLEMENT IN HAND WITHIN ONE INCH UP STARTING POINT INCLUDES-MOVE TO WRITING SURFACE AND FORMATION OF SYMBOL ENDS-WITH WRITING IMPLEMENT IN HAND AND IN CONTACT WITH WRITING SURFACE CONDITIONS-NOT APPLICABLE TO PRECISE PRINTING ONLY WITH ORDINARY WRITING OR FREEHAND
						PRINTING
					17	CASE OI FURMATION OF A CHECK MARK OZ FORMATION OF MULTIPLICATION, ADDITION,
					19	EQUAL SIGN OR AMPERSAND
					25	O3 FORMATION OF A DIVISION SIGN OR A SINGLE BRACKET
					33	04 FORMATION OF A PERCENT, DULLAR OR
						RADICAL SIGN
					41	OS FORMATION OF A BRACE
FFJ	U	MAA	MWRDAXX	MWRDWXX	VARIABLE	DATEICALENDARI, MRITE STARTS-WITH WRITING INSTRUMENT WITHIN ONE INCH IF FIRST DIGIT UF DATE, MOVE TO WRITING SURFACE TO WRITE DATE INCLUDES-WRITING DATE ENDS-WITH WRITING INSTRUMENT IN HAND AND IN CONTACT WITH WRITING SURFACE AT THE COMPLETION OF THE WRITTEN DATE
					136	CASE QI PRINT UPPER CASE ALPMAS FUR ABBREVIATED MONTH AND NUMERICS FUR
					122	02 WRITE LONGHAND ONE UPPER CASE AND INU LOWER CASE ALPHAS FOR ABBREVIATED MONTH AND NUMERICS FOR DAY AND YEAR
					110	OB WRITE USING ALL NUMERICS AND THE DASHES OR OBLIQUES
FF J	U	MAL	MUR SLO1	MURSWOL	224	SIGNATURE, WRITE LUNGHAND, FIRST NAME, MIDDLE INITIAL, AND LAST NAME
						STARTS-WITH ARITING INSTRUMENT IN MAND WITHIN ONE INCH OF FIRST LETTER OF SIGNATURE, MOVE TO MRITING SUPFACE TO WRITE SIGNATURE INCLUDES-WRITING SIGNATURE ENDS-WITH WRITING INSTRUMENT IN HAND AND IN CONTACT WITH WRITING SURFACE AT THE COMPLETION OF THE WRITIEN SIGNATURE
AE	U	MAW	SCCWRXX	MURWUX	( VARIABLE	WORDS.WRITE OR PRINT.SEQUENCE OF FIVE WORDS STARTS-WITH WRITING IMPLEMENT IN CONTACT WITH SURFACE READY TO WRITE INCLUDES-ALL MOTIONS NECESSARY TO WRITE OR PRINT A SEQUENCE OF FIVE WORDS INCLUDING PUNCTUATION ENDS-WITH WRITING IMPLEMENT IN CUNTACT WITH WRITING SURFACE
					465	CACE OF MOTTE OR PRINT FIVE WURDS IN A
					605	SEQUENCE USING UPPER AND LOWER CASE OZ PRINT FIVE WURDS IN A SEQUENCE USING ALL UPPER CASE LETTERS

DATA Source		QUALITY	SOURCE	DWMSTOP ELEMENT	TMU VALUE	OPERATIO	N/E	LEMENT	DESCRIP	TION			
FF	J	MAA	TWRNCXX	TWRNCXX	TABLE	NUMBER, COPY FRUM SOURCE DOCUMENT STARTS-WITH LOOK TO SOURCE DOCUMENT IN CLOSE PROXIMITY, WRITING INSTRUMENT IN HAND NEAR SECOND DOCUMENT INCLUDES-LOOKING TO AND FROM DOCUMENT, READING NUMBER, AND WRITING NUMBER ON SECOND DOCUMENT							
						OR PAD ENDS-WITH W				IN (	CONTACT	HTIW	
						SURFACE	AT		ISTANCE				
						(IN INCHES)							
						NUMBER (	(2)	5	10	15	20		
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						2	8	63	73	83			
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						5	E	132	142				
						6.	F	182	200	219			
						7	G	207	225	244	263		
						8	Н	232	250	269	288		
						9	j	257	275	294	313		
						10	K	282	300	319	338		
						11	L	307	325	344	363		
						12	M	332	350	369	388		

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