TO:
Approved for public release; distribution is unlimited.

FROM:
Distribution authorized to U.S. Gov't. agencies only; Test and Evaluation; JAN 1974. Other requests shall be referred to Aeronautical Systems Div., Attn: SMK, Wright-Patterson AFB, OH 45433.

AUTHORITY
ASD/USAF ltr dtd 3 Jan 1975
F-4 RAIN TIRE PERFORMANCE
FLIGHT TESTS
APPENDIX B

Larry K. McCallon, Major USAF, Project Engineer

MARCH 1974
FINAL REPORT

Distribution limited to U.S. Government agencies only
(Test and Evaluation), January 1974. Other requests
for this document must be referred to ASD/SMK, Wright-
Patterson AFB, Ohio 45433.

Controlling Office: ASD/SMK
Wright-Patterson AFB, Ohio 45433

AIR FORCE FLIGHT TEST CENTER
EDWARDS AIR FORCE BASE, CALIFORNIA
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
DISCLAIMER NOTICE

THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.
This technical report was submitted under Job Order Number 5549AO by the Performance and Flying Qualities Branch, Flight Test Engineering Division, Directorate of Test Engineering and Services, of the Air Force Flight Test Center, Edwards AFB, California 93523.

Foreign announcement and dissemination by the Defense Documentation Center are not authorized because of technology restrictions of the U.S. Export Control Acts as implemented by AFR 400-10.

Prepared by:

LARRY K. McALLAN
Major, USAF
Project Engineer

This report has been reviewed and is approved for publication:

WILLIAM L. SKLIAH
Colonel, USAF
Asst Deputy Commander for Operations

HOWARD M. LANE
Brigadier General, USAF
Commander

Qualified requesters may obtain copies of this report from the Defense Documentation Center, Cameron Station, Alexandria Virginia 22314. Department of Defense contractors must be established for DDC services or have "need to know" certified by cognizant military agency of the project or contract.

DDC release to NTIS is not authorized.

When U.S. Government drawings, specifications, or other data are used for any purpose other than a definitely related government procurement operation, the government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the government may have formulated, furnished, or in any manner supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise, as in any manner licensing the holder or any other person or corporation to convey any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

Do not return this copy; retain or destroy.
ERRATA SHEET

AFFTC-TR-74-3, March 1974
Appendix B - Antiskid Stripcharts

Pages 3 through 80; second and sixth parameters
Change "pitot-metered" to pilot-metered.
# List of Illustrations

## Appendix B

<table>
<thead>
<tr>
<th>Figure No.</th>
<th>Title</th>
<th>Page No.</th>
<th>Figure No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>Mark II, Standard Tire, Dry Runway (Test 19A)</td>
<td>3</td>
<td>B29</td>
</tr>
<tr>
<td>B2</td>
<td>Mark III, Standard Tire, Dry Runway (Test 2A)</td>
<td>4</td>
<td>B30</td>
</tr>
<tr>
<td>B3</td>
<td>Mark III, Standard Tire, Dry Runway (Test 2B)</td>
<td>5</td>
<td>B31</td>
</tr>
<tr>
<td>B4</td>
<td>Mark III, Standard Tire, Dry Runway (Test 14A)</td>
<td>6</td>
<td>B32</td>
</tr>
<tr>
<td>B5</td>
<td>Mark III, Standard Tire, Dry Runway (Test 15B)</td>
<td>7</td>
<td>B33</td>
</tr>
<tr>
<td>B6</td>
<td>Mark II, BFG Tire, Dry Runway (Test 37A)</td>
<td>8</td>
<td>B34</td>
</tr>
<tr>
<td>B7</td>
<td>Mark III, BFG Tire, Dry Runway (Test 47A)</td>
<td>9</td>
<td>B35</td>
</tr>
<tr>
<td>B8</td>
<td>Mark II, Standard Tire, Wet Runway (Test 10A)</td>
<td>10</td>
<td>B36</td>
</tr>
<tr>
<td>B9</td>
<td>Mark II, Standard Tire, Wet Runway (Test 24A)</td>
<td>12</td>
<td>B37</td>
</tr>
<tr>
<td>B10</td>
<td>Mark II, Worn Standard Tire, Wet Runway (Test 51B)</td>
<td>12</td>
<td>B38</td>
</tr>
<tr>
<td>B11</td>
<td>Mark II, Worn Standard Tire, Wet Runway (Test 51A)</td>
<td>13</td>
<td>B39</td>
</tr>
<tr>
<td>B12</td>
<td>Mark II, Worn Standard Tire, Wet Runway (Test 51C)</td>
<td>14</td>
<td>B40</td>
</tr>
<tr>
<td>B13</td>
<td>Mark II, Worn Standard Tire, Wet Runway (Test 67A)</td>
<td>16</td>
<td>B41</td>
</tr>
<tr>
<td>B14</td>
<td>Mark II, Worn Standard Tire, Wet Runway (Test 67B)</td>
<td>17</td>
<td>B42</td>
</tr>
<tr>
<td>B15</td>
<td>Mark II, Worn Standard Tire, Wet Runway (Test 67C)</td>
<td>18</td>
<td>B43</td>
</tr>
<tr>
<td>B16</td>
<td>Mark II, Standard Tire, Wet Runway (Test 48A)</td>
<td>19</td>
<td>B44</td>
</tr>
<tr>
<td>B17</td>
<td>Mark II, Standard Tire, Wet Runway (Test 48B)</td>
<td>21</td>
<td>B45</td>
</tr>
<tr>
<td>B18</td>
<td>Mark III, Standard Tire, Wet Runway (Test 19B)</td>
<td>22</td>
<td>B46</td>
</tr>
<tr>
<td>B19</td>
<td>Mark III, Standard Tire, Wet Runway (Test 41A)</td>
<td>24</td>
<td>B47</td>
</tr>
<tr>
<td>B20</td>
<td>Mark III, Standard Tire, Wet Runway (Test 41B)</td>
<td>25</td>
<td>B48</td>
</tr>
<tr>
<td>B21</td>
<td>Mark III, Standard Tire, Wet Runway (Test 42A)</td>
<td>26</td>
<td>B49</td>
</tr>
<tr>
<td>B22</td>
<td>Mark III, Standard Tire, Wet Runway (Test 42B)</td>
<td>27</td>
<td>B50</td>
</tr>
<tr>
<td>B23</td>
<td>Unintended Brake Pressure from Inflight Rudder Operation</td>
<td>28</td>
<td>B51</td>
</tr>
<tr>
<td>B24</td>
<td>Mark III, Standard Tire, Wet Runway (Test 43A)</td>
<td>29</td>
<td>B52</td>
</tr>
<tr>
<td>B25</td>
<td>Mark III, Standard Tire, Wet Runway (Test 44A)</td>
<td>30</td>
<td>B53</td>
</tr>
<tr>
<td>B26</td>
<td>Mark III, Standard Tire, Wet Runway, No Flaps (Test 45A)</td>
<td>31</td>
<td>B54</td>
</tr>
<tr>
<td>B27</td>
<td>Mark III, Standard Tire, Wet Runway, No Flaps (Test 45B)</td>
<td>32</td>
<td>B55</td>
</tr>
<tr>
<td>B28</td>
<td>Mark III, Standard Tire, Wet Runway, No Flaps (Test 45C)</td>
<td>33</td>
<td>B56</td>
</tr>
</tbody>
</table>
# List of Illustrations

**Appendix B**

<table>
<thead>
<tr>
<th>Figure No.</th>
<th>Title</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B29</td>
<td>Mark III, Standard Tire, Wet Runway, Half Flaps (Test 46A)</td>
<td>35</td>
</tr>
<tr>
<td>B30</td>
<td>Mark III, Standard Tire, Wet Runway, Half Flaps (Test 46B)</td>
<td>37</td>
</tr>
<tr>
<td>B31</td>
<td>Mark III, Standard Tire, Wet Runway, Half Flaps (Test 46C)</td>
<td>39</td>
</tr>
<tr>
<td>B32</td>
<td>Mark II, Sommers Tire, Wet Runway (Test 27B)</td>
<td>41</td>
</tr>
<tr>
<td>B33</td>
<td>Mark III, Sommers Tire, Wet Runway (Test 28B)</td>
<td>43</td>
</tr>
<tr>
<td>B34</td>
<td>Mark III, Sommers Tire, Wet Runway (Test 55A)</td>
<td>45</td>
</tr>
<tr>
<td>B35</td>
<td>Mark III, Sommers Tire, Wet Runway (Test 55B)</td>
<td>46</td>
</tr>
<tr>
<td>B36</td>
<td>Mark II, Sommers Tire, Wet Runway (Test 56A)</td>
<td>47</td>
</tr>
<tr>
<td>B37</td>
<td>Mark II, Sommers Tire, Wet Runway (Test 68B)</td>
<td>48</td>
</tr>
<tr>
<td>B38</td>
<td>Mark II, Sommers Tire, Wet Runway (Test 61A)</td>
<td>49</td>
</tr>
<tr>
<td>B39</td>
<td>Mark II, Sommers Tire, Wet Runway (Test 61B)</td>
<td>51</td>
</tr>
<tr>
<td>B40</td>
<td>Mark II, Sommers Tire, Wet Runway (Test 61C)</td>
<td>53</td>
</tr>
<tr>
<td>B41</td>
<td>Typical After Liftoff Free Wheel Spindown</td>
<td>55</td>
</tr>
<tr>
<td>B42</td>
<td>Mark II, Sommers Tire, Wet Runway (Test 60A)</td>
<td>56</td>
</tr>
<tr>
<td>B43</td>
<td>Mark II, Worn Sommers Tire, Wet Runway (Test 58A)</td>
<td>59</td>
</tr>
<tr>
<td>B44</td>
<td>Mark II, Worn Sommers Tire, Wet Runway (Test 58B)</td>
<td>60</td>
</tr>
<tr>
<td>B45</td>
<td>Mark II, Worn Sommers Tire, Wet Runway (Test 58C)</td>
<td>61</td>
</tr>
<tr>
<td>B46</td>
<td>Mark II, BFG Tire, Wet Runway (Test 32A)</td>
<td>62</td>
</tr>
<tr>
<td>B47</td>
<td>Mark II, BFG Tire, Wet Runway (Test 36A)</td>
<td>65</td>
</tr>
<tr>
<td>B48</td>
<td>Mark II, USAF Tire, Wet Runway (Test 23B)</td>
<td>66</td>
</tr>
<tr>
<td>B49</td>
<td>Mark III, USAF Tire, Wet Runway (Test 30B)</td>
<td>68</td>
</tr>
<tr>
<td>B50</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 34B)</td>
<td>70</td>
</tr>
<tr>
<td>B51</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 33A)</td>
<td>72</td>
</tr>
<tr>
<td>B52</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 33B)</td>
<td>73</td>
</tr>
<tr>
<td>B53</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 34C)</td>
<td>74</td>
</tr>
<tr>
<td>B54</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 62A)</td>
<td>75</td>
</tr>
<tr>
<td>B55</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 63A)</td>
<td>76</td>
</tr>
<tr>
<td>B56</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 63B)</td>
<td>77</td>
</tr>
<tr>
<td>B57</td>
<td>Mark II, Dunlop Tire, Wet Runway (Test 34A)</td>
<td>78</td>
</tr>
<tr>
<td>B58</td>
<td>Mark III, Dunlop Tire, Wet Runway (Test 59A)</td>
<td>79</td>
</tr>
</tbody>
</table>
Figure B1
LEFT WHEEL SPEED (RPS) 3.75

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS) 3.75

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI) 1454

Figure B2
Figure B.3

LEFT WHEEL SPEED (RPS)
LEFT PITOT-METERED PRESSURE (PSI)
LEFT BRAKE PRESSURE (PSI)
CONTROL VALVE VOLTAGE (VOLTS)
RIGHT WHEEL SPEED (RPS)
RIGHT PITOT-METERED PRESSURE (PSI)
RIGHT BRAKE PRESSURE (PSI)
LEFT WHEEL SPEED (RPS) 3.75

LEFT PITOT-METERED PRESSURE (PSI) 3072

LEFT BRAKE PRESSURE (PSI) 1472

CONTROL VALVE VOLTAGE (VOLTS) 3168

RIGHT WHEEL SPEED (RPS) 3.75

RIGHT PITOT-METERED PRESSURE (PSI) 3034

RIGHT BRAKE PRESSURE (PSI) 1454

Figure B4
LEFT WHEEL SPEED (RPS)
3.75
0
3072

LEFT PITOT-METERED PRESSURE (PSI)
1472
0
3186

LEFT BRAKE PRESSURE (PSI)
1528
0

CONTROL VALVE VOLTAGE (VOLTS)
6
0

RIGHT WHEEL SPEED (RPS)
3.75
0
3034

RIGHT PITOT-METERED PRESSURE (PSI)
1454
0
3034

RIGHT BRAKE PRESSURE (PSI)
1454
0

Figure B.5
Figure B7
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B8
Figure B8
(Concluded)
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure 8.9

Figure 8.10
Figure B 10
Figure B.11
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B12
Figure B12 (Concluded)
Figure B 14
Figure B15
Figure B.16
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B 16 (Concluded)
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B17
Figure B 18
Figure B.18 (Concluded)
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B 20
Figure B21
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 1</th>
<th>Value 2</th>
<th>Value 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left Wheel Speed (RPS)</td>
<td>3.75</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Left Pitot-Metered Pressure (PSI)</td>
<td>3136</td>
<td>1536</td>
<td>3254</td>
</tr>
<tr>
<td>Left Brake Pressure (PSI)</td>
<td>1594</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Control Valve Voltage (Volts)</td>
<td>6</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Right Wheel Speed (RPS)</td>
<td>3.75</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Right Pitot-Metered Pressure (PSI)</td>
<td>3097</td>
<td>1517</td>
<td></td>
</tr>
<tr>
<td>Right Brake Pressure (PSI)</td>
<td>3097</td>
<td>1517</td>
<td>0</td>
</tr>
</tbody>
</table>

Figure B.22
LEFT WHEEL SPEED (RPS) 3.75

LEFT PITOT-METERED PRESSURE (PSI) 3136

LEFT BRAKE PRESSURE (PSI) 1536

CONTROL VALVE VOLTAGE (VOLTS) 3254

RIGHT WHEEL SPEED (RPS) 3.75

RIGHT PITOT-METERED PRESSURE (PSI) 3097

RIGHT BRAKE PRESSURE (PSI) 1517

Figure B23
Figure B 24
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B 25

30
LEFT WHEEL SPEED (RPS) 3.75
LEFT PITOT-METERED PRESSURE (PSI) 3136
LEFT BRAKE PRESSURE (PSI) 1536
CONTROL VALVE VOLTAGE (VOLTS) 6
RIGHT WHEEL SPEED (RPS) 3.75
RIGHT PITOT-METERED PRESSURE (PSI) 3097
RIGHT BRAKE PRESSURE (PSI) 1517

Figure B 26
Figure B 27
Figure B 28

LEFT WHEEL SPEED (RPS)
LEFT PITOT-METERED PRESSURE (PSI)
LEFT BRAKE PRESSURE (PSI)
CONTROL VALVE VOLTAGE (VOLTS)
RIGHT WHEEL SPEED (RPS)
RIGHT PITOT-METERED PRESSURE (PSI)
RIGHT BRAKE PRESSURE (PSI)
Figure B28 (Concluded)
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B29
Figure B.29 (Concluded)
Figure B.30
<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEFT WHEEL SPEED (RPS)</td>
<td>3.75</td>
</tr>
<tr>
<td>LEFT PITOT-METERED PRESSURE (PSI)</td>
<td>3136</td>
</tr>
<tr>
<td>LEFT BRAKE PRESSURE (PSI)</td>
<td>1536</td>
</tr>
<tr>
<td>CONTROL VALVE VOLTAGE (VOLTS)</td>
<td>6</td>
</tr>
<tr>
<td>RIGHT WHEEL SPEED (RPS)</td>
<td>3.75</td>
</tr>
<tr>
<td>RIGHT PITOT-METERED PRESSURE (PSI)</td>
<td>3097</td>
</tr>
<tr>
<td>RIGHT BRAKE PRESSURE (PSI)</td>
<td>1517</td>
</tr>
</tbody>
</table>

Figure B30 (Concluded)
LEFT WHEEL SPEED (RPS) 3.75

LEFT PITOT-METERED PRESSURE (PSI) 3136

LEFT BRAKE PRESSURE (PSI) 3254

CONTROL VALVE VOLTAGE (VOLTS) 0

RIGHT WHEEL SPEED (RPS) 3.75

RIGHT PITOT-METERED PRESSURE (PSI) 3097

RIGHT BRAKE PRESSURE (PSI) 1517

Figure B 31
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEFT WHEEL SPEED (RPS)</td>
<td>3.75</td>
</tr>
<tr>
<td>LEFT PITOT-METERED PRESSURE (PSI)</td>
<td>3136</td>
</tr>
<tr>
<td>LEFT BRAKE PRESSURE (PSI)</td>
<td>1536</td>
</tr>
<tr>
<td>CONTROL VALVE VOLTAGE (VOLTS)</td>
<td>6</td>
</tr>
<tr>
<td>RIGHT WHEEL SPEED (RPS)</td>
<td>3.75</td>
</tr>
<tr>
<td>RIGHT PITOT-METERED PRESSURE (PSI)</td>
<td>3097</td>
</tr>
<tr>
<td>RIGHT BRAKE PRESSURE (PSI)</td>
<td>1517</td>
</tr>
</tbody>
</table>

Figure B31 (Concluded)
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Left Wheel Speed (RPS)</th>
<th>Left Pitot-Metered Pressure (PSI)</th>
<th>Left Brake Pressure (PSI)</th>
<th>Control Valve Voltage (Volts)</th>
<th>Right Wheel Speed (RPS)</th>
<th>Right Pitot-Metered Pressure (PSI)</th>
<th>Right Brake Pressure (PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40</td>
<td>307</td>
<td>3136</td>
<td>0</td>
<td>40</td>
<td>3097</td>
<td>3097</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>3136</td>
<td>1536</td>
<td>0</td>
<td>20</td>
<td>3097</td>
<td>1517</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>3254</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>12</td>
<td>0</td>
</tr>
</tbody>
</table>

Figure 8.32
Figure B 32
(Concluded)

42
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B 33
Figure B33
(Concluded)
LEFT WHEEL
SPEED (RPS)  3.75
0
3136
LEFT
PITOT-METERED
PRESSURE (PSI)
1536
0
3254
LEFT BRAKE
PRESSURE (PSI)
1594
0
12
CONTROL VALVE
VOLTAGE (VOLTS)
6
0
0
RIGHT WHEEL
SPEED (RPS)  3.75
0
3097
RIGHT
PITOT-METERED
PRESSURE (PSI)
1517
0
3097
RIGHT BRAKE
PRESSURE (PSI)
1517
0

Figure B34
Figure B.35
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B36
Figure B37
Figure B38
Figure B.38 (Concluded)
Figure B39
LEFT WHEEL
SPEED (RPS)

LEFT
PITOT-METERED
PRESSURE (PSI)

LEFT BRAKE
PRESSURE (PSI)

CONTROL VALVE
VOLTAGE (VOLTS)

RIGHT WHEEL
SPEED (RPS)

RIGHT
PITOT-METERED
PRESSURE (PSI)

RIGHT BRAKE
PRESSURE (PSI)

Figure B39
(Concluded)
Figure B40

53
left wheel speed (rps)

left pitot-metered pressure (psi)

left brake pressure (psi)

control valve voltage (volts)

right wheel speed (rps)

right pitot-metered pressure (psi)

right brake pressure (psi)

Figure B 40
(Concluded)

54
Figure B 41
Figure B42
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B 42 (Continued)
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B.42
(Concluded)
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B43
Figure B.44
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure 845
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B46
Figure B46 (Continued)

63
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B46 (Concluded)
Figure B47
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B48
Figure B 48 (Concluded)
Figure B49
LEFT WHEEL SPEED (RPS) 3.75

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS) 3.75

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B49 (Concluded)
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B50 (Concluded)
Figure B51
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B52

73
Figure B 53
LEFT WHEEL SPEED (RPS)

LEFT PITOT-METERED PRESSURE (PSI)

LEFT BRAKE PRESSURE (PSI)

CONTROL VALVE VOLTAGE (VOLTS)

RIGHT WHEEL SPEED (RPS)

RIGHT PITOT-METERED PRESSURE (PSI)

RIGHT BRAKE PRESSURE (PSI)

Figure B54
Figure B55
Figure B56
Figure B57
**LEFT WHEEL**

- **SPEED (RPS)**: 3.75 → 0
- **PITOT-METERED PRESSURE (PSI)**: 3136 → 1536 → 3254
- **BRAKE PRESSURE (PSI)**: 1594 → 0

**CONTROL VALVE VOLTAGE (VOLTS)**: 12 → 6

**RIGHT WHEEL**

- **SPEED (RPS)**: 3.75 → 0
- **PITOT-METERED PRESSURE (PSI)**: 3097 → 1517
- **BRAKE PRESSURE (PSI)**: 1517 → 0

Figure 8.58
Figure B58
(Concluded)