### No Communication with Video Matrix

Possible Fault Causes:

1. Faulty video matrix power supply
2. Faulty video matrix
3. Faulty telemetry switch
4. Faulty wiring

Corrective Action

|  |  |  |
| --- | --- | --- |
|  | Yes | No |
| 82BCheck if the same problem is present in Wagon-L and Wagon -R. Is the problem present? | 2 | 11 |
| 83BOn Wagon power distribution panel, verify PPTS circuit breaker is in ON position. Is the circuit breaker in ON position? | 4 | 3 |
| 84BSet PPTS circuit breaker to ON position. Does the problem appear again? | 4 | 12 |
| 85BVerify PSW cable is properly connected to PSW connector on  PPTS rear panel. Is the cable properly connected? | 6 | 5 |
| 86BConnect PSW cable to TTYS. Does the problem appear again? | 6 | 12 |
| 87BVerify TSDG cable is properly connected to ST-583connector on  PPTS rear panel. Is the cable properly connected? | 8 | 7 |
| 88BConnect TSDG cable connector ST-583to TTYS. Does the problem appear again? | 8 | 12 |
| 89BConnect TSDG cable connector ST-583to TTYS. Does the problem appear again? | 10 | 9 |

Corrective Action

|  |  |  |
| --- | --- | --- |
|  | Yes | No |
| 90BConnect RS-422 cable connector J4 to telemetry switch. Does the problem appear again? | 10 | 12 |
| 91BReplace video matrix (Chapter 3). Does the problem appear again? | 11 | 12 |
| 92BReplace telemetry switch (Chapter 4). Go to step 10. | - | - |
| 93BPerform DMR recording checkout (paragraph ‎3.6 or ‎3.7 ) | - | - |