

## Primus Radar System Test Panel

ASI-163

### OEM Equivalent:

OEM: Sperry (Honeywell)  
Model Number:  
Part Number:  
Manual: I.B.8029066  
Manual Figure: 104

This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

### Description:

The ASI-163 Primus Radar Test Panel provides power, test points, switching, and interconnection required for testing, alignment, and repair of the Primus-40/-90/-300/-400/-500 Radar Systems. The ASI-163 includes a built in gyro simulator thus eliminating the need for an external simulator.

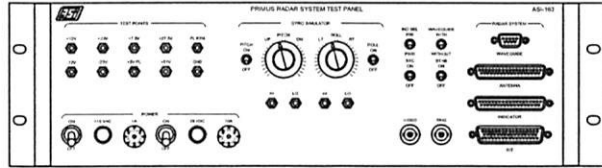
Accessory equipment and cables required for testing each Primus system component are listed in the Optional Equipment section below.

### Equipment Supplied:

| ASI MN | OEM PN | Description |
|--------|--------|-------------|
|--------|--------|-------------|

### Optional Equipment:

| ASI MN    | OEM PN | Description                                  |
|-----------|--------|----------------------------------------------|
| ASI-16-3A | NPN    | Cable: ASI-163 to Primus-90 R/T              |
| ASI-16-3B | NPN    | Cable: ASI-163 to Primus-90 Indicator        |
| ASI-16-3C | NPN    | Cable: ASI-163 to Primus-90 Antenna          |
| ASI-16-3D | NPN    | Cable: ASI-163 to Primus 90 W/G Switch       |
| ASI-16-3E | NPN    | Cable: ASI-163 to P40/300/400/500 R/T        |
| ASI-16-3F | NPN    | Cable: ASI-163 to P40/300/400/500 Indicator  |
| ASI-16-3G | NPN    | Cable: ASI-163 to P40/300/400/500 Antenna    |
| ASI-16-3H | NPN    | Test Set: Primus R/T Mag Current/AFC         |
| ASI-16-3J | NPN    | Cable: Primus R/T Stabilization Adapter      |
| ASI-155   | NPN    | Test Set: Primus Indicator Digital Interface |



### Units Tested:

PRIMUS 40  
PRIMUS 90 (AP9001 / DI9001 / DI9002 / DI9003 / DI9004 / P90RT)  
PRIMUS 300 (AP3001 / DI3003 / RT3002)  
PRIMUS 300SL (AP3001 / DI2007 / RT3002)  
PRIMUS 400 (AP4001 / DI4001 / RT4001)  
PRIMUS 400SL (AP4001 / DI4002 / RT4001)  
PRIMUS 500 (AP5001 / DI5001 / RT5001)

### Specifications:

Height: 5.25" Width: 19.00" Depth: 6.00"  
Power Requirements: 28 VDC / 115 VAC 400 Hz

## Radio Altimeter Indicator Test Panel

ASI-164

### OEM Equivalent:

OEM: Rockwell Collins  
Model Number:  
Part Number:  
Manual: 523-0758818 / 523-0759413 / 523-0770457  
Manual Figure: 1002E (TR17) / 1002E (TR16) / 902A (TR3)

This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

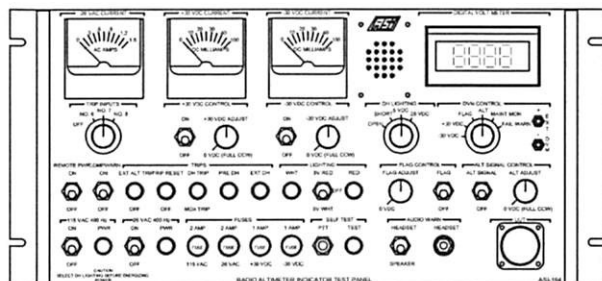
### Description:

The ASI-164 Radio Altimeter Indicator Test Panel provides a convenient, self-contained means of aligning, testing and troubleshooting the Rockwell Collins 339H-1/-2/-5/-6 and Bendix (Honeywell) INA-51 series of Radio Altimeter Indicators. The ASI-164 combines the test fixtures shown in the 339H-1 maintenance manuals with all the power supplies and meters required for testing the indicators. The test outputs normally supplied by the Bendix ALT-51A Test Panel are also provided in order to test the INA-51 indicators.

The Test Panel requires specific test cables (ASI-16-4x) for each indicator. These cables are listed in the Optional Equipment section below.

### Optional Equipment:

| ASI MN    | OEM PN       | Description                                     |
|-----------|--------------|-------------------------------------------------|
| ASI-16-4A | NPN          | Cable: 339H-1 ( ), 339H-2 (-001), 339H-6 (-001) |
| ASI-16-4B | NPN          | Cable: 339H-2 / 339H-6 (Except 339H-2/6 -001)   |
| ASI-16-4C | NPN          | Cable: 339H-5                                   |
| ASI-16-4D | NPN          | Cable: INA-51A / INA-51B / INA-51D / INA-51V    |
| ASI-25-8A | NPN          | 339H-6 Main Extender Cable                      |
| ASI-25-8B | NPN          | 339H-6 Power Supply Extender Cable              |
| ASI-25-9A | 647-6485-003 | 339H-6 Servo Assy Pin No. 3                     |
| ASI-25-9B | 647-6485-004 | 339H-6 Servo Assy Pin No. 4                     |
| ASI-259-L | NPN          | Tape Winding Fixture - Left                     |
| ASI-259-R | NPN          | Tape Winding Fixture - Right                    |



### Units Tested:

339H-1 / 339H-1A / 339H-1B / 339H-1C / 339H-1D  
339H-2  
339H-5  
339H-6  
INA-51A / INA-51B / INA-51D / INA-51V

### Equipment Supplied:

| ASI MN | OEM PN | Description |
|--------|--------|-------------|
|--------|--------|-------------|

### Specifications:

Height: 8.75" Width: 19.00" Depth: 10.00"  
Power Requirements: 115 VAC 400 Hz

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