MCS-65 Compass System Test Panel — ASI-412

OEM Equivalent: Rockwell Collins
MN: CTS-64
PN: 622-6459-001
Manual: 523-0773595
Manual Figure: 1-1

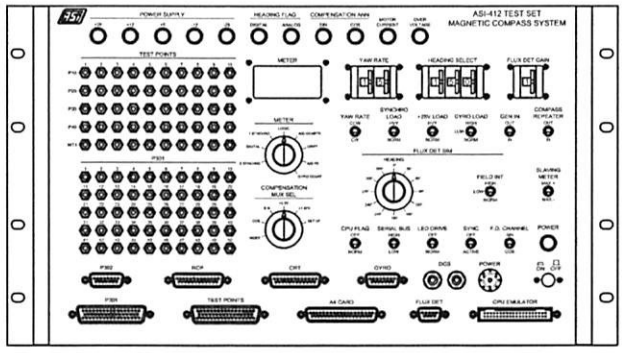
UUT: MCS-65 Magnetic Compass System
DGS-65, FDU-70, CCU-65, RCP-65

Size: H: 10.5" W: 19.00" D: 10.0"
Pwr: 115 VAC 400 Hz / 28 VDC

Description:
The ASI-412 Test Panel is used for minimum and detailed perfomance testing of the DGC-65 Directional Gyro and system testing of the MCS-65 Magnetic Compass System (DGS-65, FDU-70, CCU-65, RCP-65).

The ASI-412 is also capable of testing the modules of the DGS-65 including the gyro assembly, compass electronics assembly and the power supply card.

The ASI-412 includes ten test cables (ASI-41-2x) and the "Bed of Nails" test fixture



Equipment Supplied:

ASI MN	OEM PN	Description
ASI-41-2A	634-3381-001	Cable, P1
ASI-41-2B	634-3474-001	Cable, P2
ASI-41-2C	628-7452-001	Cable, Emulator (SB2)
ASI-41-2D	634-3476-001	Cable, P4
ASI-41-2E	634-3477-001	Cable, P5
ASI-41-2F	634-3478-001	Cable, P6
ASI-41-2G	634-3480-001	Cable, P7
ASI-41-2H	634-3482-001	Cable, P9
ASI-41-2I	634-1078-001	Cable, P10
ASI-41-2J	634-3483-001	Cable. J1
ASI-412-1	647-6750-001	Test Fixture, Bed of Nails

DGS-65 Customer Acceptance Test Set — ASI-412-2

OEM Equivalent: Rockwell Collins
MN: NMN
PN: NPN
Manual: 523-0771840
Manual Figure: 5-13

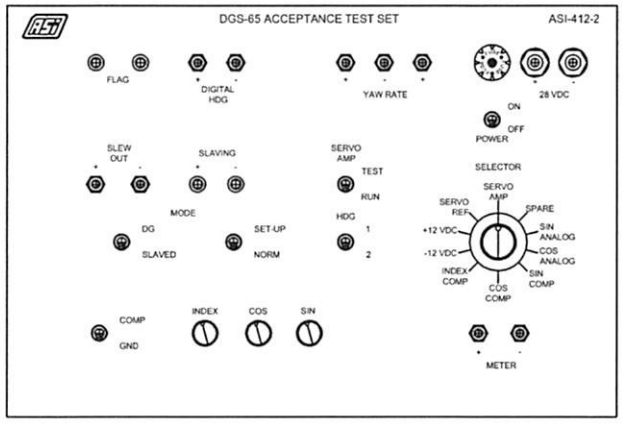
UUT: DGS-65

Size: H: 3.00" W: 12.00" D: 4.00"
Pwr: 28 VDC

Description:
The ASI-412-2 Test Set is used in acceptance testing of the DGS-65. The ASI-412-2 checks the functional performance of the DGS-65 but does not check if it is fully operational within specifications. Therefore the ASI-412-2 cannot be used to return a unit to service.

The ASI-412 System Test Panel (shown above) is required for full return-to-service testing of the DGS-65.

The ASI-412-2 includes the three test cables (ASI-41-22x) listed below.



Equipment Supplied:

ASI MN	OEM PN	Description
ASI-41-22A	NPN	Cable, 331A-3G
ASI-41-22B	NPN	Cable, RMI-30
ASI-41-22C	NPN	Cable, HSI-70 / FDU-70

Optional Equipment:

ASI MN	OEM PN	UUT Manual Figure	Description
ASI-41-22D	NPN	DGS-65 Fig. 5-16	DGS-65 Gyro Cover Removal Tool
ASI-41-22E	NPN	DGS-65 Fig. 5-17	DGS-65 End Cap Puller
ASI-41-22F	NPN	DGS-65 Fig. 5-18	DGS-65 Fan Puller
ASI-41-22G	NPN	DGS-65 Fig. 5-19	DGS-65 Balancing Fixture
ASI-41-22H	NPN	DGS-65 Fig. 5-20	DGS-65 Calibrated Motor
ASI-41-22J	NPN	DGS-65 Fig. 5-21	DGS-65 Modified Drill Bit
ASI-41-22K	NPN	DGS-65 Fig. 5-22	DGS-65 Degree Tape
ASI-41-22L	NPN	DGS-65 Fig. 5-23	DGS-65 Motor Run-In Stand
ASI-41-22M	NPN	DGS-65 Fig. 5-24	DGS-65 Preload Fixture
ASI-41-22N	NPN	DGS-65 Fig. 5-25	DGS-65 Modified Cap
ASI-41-22P	NPN	DGS-65 Fig. 5-26	DGS-65 Rundown Fixture
ASI-41-22Q	NPN	DGS-65 Fig. 5-27	DGS-65 Slipring Removal Fixture

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