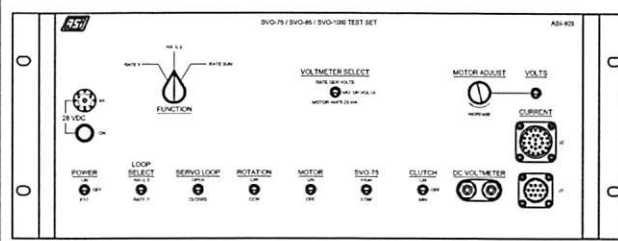


Primary Servo Test Panel

ASI-403-1 / ASI-403-2

OEM Equivalent: Rockwell Collins
 MN: 972S-5
 PN: 622-7122-001 / 622-7122-002
 Manual: 523-0773367
 Manual Figure: 1-1

UUT: SVO-75 / SVO-85A/-85B/-85C
 SVO-1000 / SVO-3000
 Size: H: 7.00" W: 19.00" D: 7.00"
 Pwr: 115 VAC 60 Hz / 28 VDC



Description:

The ASI-403 Servo Test Panel works in conjunction with a 960M-() Torque Tester (ASI-212-X) to facilitate testing of the Collins SVO-75, SVO-85(), SVO-1000 and SVO-3000 Primary Servos. The Test Panel acts as a flight control or autopilot system substitute for the servo under test by supplying the needed servo operation signals.

The ASI-403 is available in two different configurations:

ASI-403-1 is equivalent to the Collins 972S-5 / 622-7122-001.
 ASI-403-2 is equivalent to the Collins 972S-5 / 622-7122-002.

ASI-403-1 and ASI-212-5 (960M-5) are required to test the Collins SVO-75.
 ASI-403-1 and ASI-212-4 (960M-4) are required to test the Collins SVO-85().
 ASI-403-1 and ASI-212-5 (960M-5) are required to test the Collins SVO-3000.
 ASI-403-2 and ASI-212-4 (960M-4) are required to test the Collins SVO-1000.

The ASI-403-1 and ASI-403-2 are identical except for the test cables supplied. The ASI-403-1 includes four test cables: ASI-40-3A, ASI-40-3B, ASI-40-3C, ASI-40-3D. The ASI-403-2 includes one test cable: ASI-40-3E.

Equipment Supplied (ASI-403-1):

ASI MN	OEM PN	Description
ASI-40-3A	634-4242-001	Cable, SVO-75
ASI-40-3B	634-2226-001	Cable, SVO-85() (-001/-003/-101/-103) SVO-3000 (-001/-002/-003)
ASI-40-3C	634-2226-002	Cable, SVO-85() (-002/-004/-102/-104)
ASI-40-3D	634-2226-003	Cable, SVO-3000 (-021/-022/-023/-982/-983)

Equipment Supplied (ASI-403-2):

ASI MN	OEM PN	Description
ASI-40-3E	653-1288-002	Cable, SVO-1000

Optional Equipment:

ASI MN	OEM PN	UUT MANUAL FIGURE	Description
ASI-18-9B	634-2835-001	SVO-75 Fig 902	SMT-65() Capstan Holding Fixture
ASI-18-9C	634-2830-001	SVO-75 Fig 902	SMT-65E Capstan Holding Fixture
ASI-18-9D	NPN	SVO-75 Fig 903 / SVO-3000 Fig 904	Magnetic Clutch Holding Fixture
ASI-18-9E	647-3825-001	SVO-75 Fig 904 / SVO-3000 Fig 903	Backlash Test Fixture (Requires User Supplied 80-144 Dial Ind)
ASI-34-82C	827-1543-001	SVO-3000 Fig 906	Clutch Test Fixture
ASI-40-3F	628-8888-001	SVO-85() Fig 5-34	SVO-85B (-003) Test Cable
ASI-40-31A	NPN	SVO-85() Fig 5-9	SMT-87 Capstan Torque Adjustment Fixture
ASI-40-31B	634-1729-001	SVO-85() Fig 5-10	Servo Clutch Depth Gauge (Requires User Supplied 25-243J and 6632-5)
ASI-40-31B1	NPN	SVO-1000 Fig 905	Servo Clutch Depth Gauge (Requires User Supplied 25-243J and 6632-5)
ASI-40-31C	634-1728-001	SVO-85() Fig 5-11	Mount Clutch Depth Gauge (Requires User Supplied 25-243J and 6632-5)
ASI-40-31C1	NPN	SVO-1000 Fig 906	Mount Clutch Depth Gauge (Requires User Supplied 25-243J and 6632-5)
ASI-40-31D	634-1772-001	SVO-85() Fig 5-12 / SVO-1000 Fig 904	SVO-85/SVO-1000/TSM-1000 Backlash Test Fixture (Req 25-241J)
ASI-40-31D1	634-1772-002	SVO-85() Fig 5-12 / SVO-1000 Fig 904	SVO-85/SVO-1000/TSM-1000 Backlash Test Fixture (Includes 25-241J)
ASI-40-31E	NPN	SVO-85() Fig 5-13	Servo Run-In Fixture
ASI-40-31F	NPN	SVO-85() Fig 5-14 / SVO-1000 Fig 908	SVO-85/SVO-1000 Preload Fixture
ASI-40-31G	NPN	SVO-85() Fig 5-15 / SVO-1000 Fig 909	SMT-85/86/1000 Preload Fixture
ASI-40-31H	NPN	SVO-85() Fig 5-16	SMT-87 Preload Adjustment Screw
ASI-40-31J	827-2298-001	SVO-85() Fig 5-17	Brush Adjust Fixture
ASI-40-31K	NPN	SVO-85() Fig 5-18	Clutch Bearing Installation Tool
ASI-40-31L	NPN	SVO-85() Fig 5-19	Servo Clutch Half Support
ASI-40-31M	NPN	SVO-85() Fig 5-20	Servo Mount Support
ASI-40-31N	NPN	SVO-85() Fig 5-21	Ball Staking Tool
ASI-40-31P	NPN	SVO-85() Fig 5-22	Bearing Removal Tool
ASI-40-31Q	NPN	SVO-85() Fig 5-23	Bushing Support
ASI-40-31R	NPN	SVO-85() Fig 5-24	Bushing Removal Tool
ASI-40-31S	NPN	SVO-85() Fig 5-25	Pin Insertion and Removal punches
ASI-40-31T	NPN	SVO-85() Fig 5-26	SMT-85/86 Drilling Fixture
ASI-40-31U	NPN	SVO-85() Fig 5-27	SMT-85/86 Pinning Fixture
ASI-40-31V	NPN	SVO-85() Fig 5-28	SMT-87 Drilling Fixture
ASI-40-31W	NPN	SVO-85() Fig 5-29	SMT-87 Pinning Fixture
ASI-40-31X	NPN	SVO-85() Fig 5-30	SVO-85 / 86 Drilling Fixture
ASI-40-31Y	NPN	SVO-85() Fig 5-31	SVO-85 Pin Removal / Insertion Fixture
ASI-40-31Z	NPN	SVO-85() Fig 5-32	Cable Tensioning Fixture
ASI-40-32A	827-1090-001	SVO-85() Fig 5-33 / SVO-1000 Fig 903A	Backlash/Torque Test Fixture (Req 25-241J Dial Ind)
ASI-40-32B1	830-5758-001	SVO-1000 Fig 923	Torque Test Fixture (Requires 25-241 Dial Ind)
ASI-40-32B2	830-5758-002	SVO-85() Fig 5-35	SMT Shaft Free Play Fixture (Requires 25-241 Dial Ind)
ASI-40-32C	NPN	SVO-85() Fig 5-36	Gear-Cluster Bearing Removal Fixture
ASI-40-32D	827-2785-001	SVO-85() Fig 5-37 / SVO-1000 Fig 904A	SVO-85C/SVO-1000 Clutch Half Force Test Tool (Req 25-243 Dial Ind)
ASI-40-32E	NPN	SVO-85() Fig 5-38	SMT-87 Seal Installation Tool
ASI-40-32F	NPN	SVO-85() Fig 5-39	Motor End Play Fixture
ASI-40-32G	NPN	SVO-85() Fig 5-40	Gear Movement Tool
ASI-40-32H	NPN	SVO-1000 Fig 907	Servo Clutch Fixture
ASI-40-32J	NPN	SVO-1000 Fig 910	Pressure Check Fitting
ASI-40-32K	NPN	SVO-1000 Fig 911	Gland Retainer
ASI-40-32L	NPN	SVO-1000 Fig 912	Mount Loading Fixture
ASI-40-32M	827-3794-001	SVO-1000 Fig 913	Expander Fixture
ASI-40-32N	827-3793-001	SVO-1000 Fig 914	Pusher Fixture
ASI-40-32P	827-3795-001	SVO-1000 Fig 915	Compressor Fixture
ASI-40-32Q	827-2704-001	SVO-1000 Fig 916	Servo Housing Leak Check Fixture
ASI-40-32R	827-2796-001	SVO-1000 Fig 917	Slip Clutch Check Fixture
ASI-40-32S	NPN	SVO-1000 Fig 922	Servo Mount Pressure Leak Test Assembly
ASI-158-1	637-7656-100	SVO-1000 Fig 919 - 921	Universal High Pol Tester
ASI-212-3	622-2741-001	SVO-75 Fig 902	Torque Tester (960M-3)
ASI-212-4	622-5434-001	SVO-85() Fig 5-1 / SVO-1000 Fig 101	Torque Tester (960M-4)
ASI-212-5	622-6454-001	SVO-75 Fig 902 / SVO-3000 Fig 905	Torque Tester (960M-5)
ASI-246-2	621-9185-002	SVO-75 Fig 902	Capstan Clutch Adjustment Fixture (14 tooth)
ASI-246-3	822-0030-001	SVO-85 Install Manual Table 5-2	Servo Mount Test Adapter (997T-1)
ASI-0319-070	229-0319-070	SVO-85() Table 5-3 / SVO-1000 Fig 901	Flux Keeper (37360-9)
ASI-0319-120	229-0319-120	SVO-1000 Fig 901	Flux Keeper (A-92066)

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