

C14 Preliminary and Final Test Fixture

ASI-275-1

OEM Equivalent:

OEM: Sperry
Model Number:
Part Number: T307976
Manual: 31-3000-01
Manual Figure: 1-6

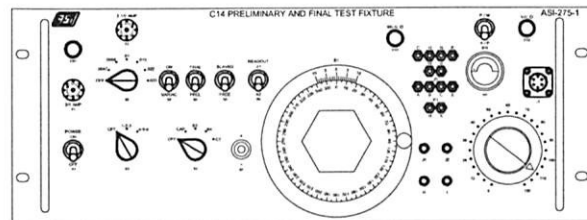
This unit is manufactured to replace the OEM MN, PN, and/or manual figure listed in Form, Fit, and Function.

Description:

The ASI-275-1 provides power, loads, and signals required to test and calibrate the Sperry C-14/-14A/-14D Directional Gyros.

Optional Equipment:

ASI MN	OEM PN	Description (Manual 31-3000-01 Figure)
ASI-27-5A1	T322745-1	Adapter Cable, 4019190-1/2/3/4/5/6/7 (1-14)
ASI-27-5A2	T322745-2	Adapter Cable, 4019190-13/-16/-18 (1-14)
ASI-27-5A3	T322771	Adapter Cable, 4019190-13/-16 (1-15)
ASI-27-5A4	T322870	Adapter Cable, 4020577-3/-6/-8 (1-18)
ASI-27-5B	T307972	Scorsby Adapter Plate (1-5)
ASI-27-5C1	T3012061-A	Rotor Clamp A (2-42)
ASI-27-5C2	T3012061-B	Rotor Clamp B (2-42)
ASI-27-5D	T3012066	Rotor Assembly Bushing (2-45)
ASI-27-5E	T897487	Height Dimension Gauge (2-23)
ASI-27-5F	T3075022	Holding Fixture (2-52)
ASI-27-5G	T898487	Open End Wrench (2-25)
ASI-27-5H	T896500	Bearing Preload Adapter Set (2-14)
ASI-27-5I	T891970	Bearing Preload Fixture (2-6)
ASI-27-5J	T896497	Rotor Balancing Adapters (2-12)
ASI-27-5K	T896276	Rotor Balancing Cradle (2-8)
ASI-27-5L	T897024	Terminal Insertor (2-19)
ASI-27-5M	T897413	Slipring Cementing Clamps (2-22)
ASI-27-5N	T896625	Switch Ring Alignment Fixture (2-16)
ASI-27-5P	T896455	Magnet Cementing Fixture (2-10)
ASI-27-5Q	T897167	Static Balance Fixture (2-20)
ASI-27-5R	T896773	Slipring Aligning and Cementing Tool (2-17)
ASI-27-5S	T896871	Slipring Protector (2-18)
ASI-27-5T	T898023	Dial Indicator Mounting Adapter (2-24)
ASI-27-5U	T896598	Gimbal Assembly Balance Fixture (2-15)
ASI-27-5V	T3008089	Dial Indicator Mounting Adapter (2-30)
ASI-27-5W	T896496	Stator Loc. and Cementing Fixture (2-11)
ASI-27-5X	T3009480	Weight (2-32)
ASI-27-5Y	T896405	Punch and Anvil (2-9)
ASI-27-5Z	T896499	Pressing Tool (2-13)
ASI-407-1	T307702-4	Power Supply and Readout (1-3)
ASI-408	T322861	C-14 Base Test Fixture (1-17)
ASI-410	T307967	Flux Valve Simulator (1-4)



Units Tested:

C-14 C-14D
C-14A DG-401

Specifications:

Height: 7.00" Width: 19.00" Depth: 6.00"
Power Requirements: 26 VAC and 115 VAC 400 Hz

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-27-51A	T-307976-48	Cable, W1
ASI-27-51B	T-307976-42	Cable, W2
ASI-27-51C	T-307976-58	Cable, W3

DG-401 Calibration Fixture

ASI-275-2

OEM Equivalent:

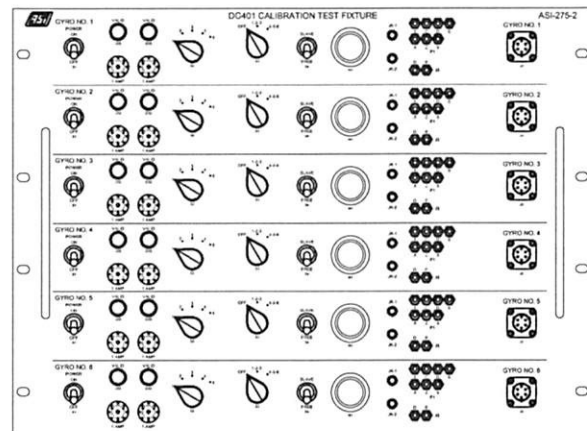
OEM: Sperry
Model Number:
Part Number: T307977
Manual: 31-3000-01
Manual Figure: 1-7

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

Description:

The ASI-275-2 Calibration Fixture functions to test and repair the Sperry DG-401 Gyro Amplifier and C-14() Directional Gyro. The ASI-275-2 may be used in place of the ASI-275-1 to perform tests on leveling rates, drifts, slow slave rates, and settling error. In addition, this fixture provides the power and loads to test the clutch potentiometer B4 (engage-disengage test) for the gyro synchronizer (4019190-2/-5).

The ASI-275-2 includes six identical cables (ASI-27-52A) which enable the ASI-275-2 to test and run up to six units simultaneously.



Units Tested:

C-14 C-14D
C-14A DG-401

Specifications:

Height: 14.00" Width: 19.00" Depth: 10.00"
Power Requirements: 115 VAC 400 Hz

Equipment Supplied:

ASI MN	OEM PN	Description
ASI-27-52A	T307977-40	Cable, W1 (Qty-6)
ASI-27-52B	T309077-39	Cable, W2 (Qty-2)

Optional Equipment: (See ASI-275-1)

ASI MN	OEM PN	Description
ASI-275-1	T307976	C14() Preliminary and Final Test Fixture