

Antenna Coupler Test Set**ASI-346****Description of Operation:**

The ASI-346 provides a means to completely test the discriminator, electronic control amplifier, and relay control modules of the 180R-() Antenna Couplers and 309A-() Antenna Coupler Controls.

The ASI-346 includes the ASI-346-1 Amplifier Test Set, ASI-346-2 Relay Control Test Set, ASI-346-3 Discriminator Test Set, and ASI-346-4 Power Panel in a rugged case.

Equivalent OEM: Collins

Equivalent MN: 980H-3

Equivalent PN: 522-4748-001

Units Tested:

180R-4/4A/6/6A/7/8/10A

309A-1/1A/2/2D/2E/2F/3

Equipment Supplied:

ASI-346-1	Amplifier Test Set (878L-1)
ASI-346-2	Relay Control Test Set (878L-2)
ASI-346-3	Discriminator Test Set (878L-3)
ASI-346-4	Power Panel (772-6871-001)

Equipment Specifications:

Height: 30.00" Width: 22.00" Depth: 15.875"

Amplifier Test Set**ASI-346-1****Description of Operation:**

The ASI-346-1 facilitates testing of the antenna coupler control servo amplifiers. The ASI-346-1 simulates actual operating conditions by presenting the proper load conditions and providing all working voltages. External test points allow access to servo amplifier outputs for alignment and troubleshooting.

Equivalent OEM: Collins

Equivalent MN: 878L-1

Equivalent PN: 522-3022-000

Units Tested:

180R-4/4A/6/6A/7/8/10A

309A-1/1A/2/2D/2E/2F/3

Equipment Supplied:**Equipment Specifications:**

Height: 5.25" Width: 19.00" Depth: 11.25"

Relay Control Test Set**ASI-346-2****Description of Operation:**

The ASI-346-2 completely tests the antenna coupler control relay assembly group modules.

Equivalent OEM: Collins

Equivalent MN: 878L-2

Equivalent PN: 522-3271-000

Units Tested:

309A-1/1A/2/2D/2E/2F/3

AN/ARC-80

The ASI-346-2 employs lamp comparison and voltage readings for a go/no-go test of the relay assembly group modules.

Equipment Supplied:

ASI-34-62A Test Cable (554-4825-000)

Equipment Specifications:

Height: 10.50" Width: 19.00" Depth: 9.00"

Discriminator Test Set**ASI-346-3****Description of Operation:**

The ASI-346-3 facilitates testing of the antenna coupler discriminator modules.

Equivalent OEM: Collins

Equivalent MN: 878L-3

Equivalent PN: 522-3272-000

Units Tested:

180R-4/4A/6/6A/7/8/10A

CU-523, CU-1094, CU-1239

The ASI-346-2 simulates actual operating conditions often experienced by the uut.

Equipment Supplied:

ASI-34-63A	RF Cable (772-6877-001)
UG-564/U	RF Adapter, N Plug / C Jack (357-9560-000)
UG-702/U	RF Adapter, HN Plug / C Jack (357-9296-000)

Equipment Specifications:

Height: 8.75" Width: 19.00" Depth: 9.25"

Power Panel**ASI-346-4****Description of Operation:**

The ASI-346-4 Power Panel controls AC power input into the ASI-346.

Equivalent OEM: Collins

Equivalent MN:

Equivalent PN: 772-6871-001

Units Tested:

Power input is supplied through the W1 cable (ASI-34-6C).

Equipment Supplied:

ASI-34-64A Power Cable (772-6878-001)

Equipment Specifications:

Height: 1.75" Width: 19.00" Depth: 2.00"

REV 2
3-1-98