

Boeing 747-200/400 with Simmonds (Goodrich) “Classic Retrofit”

The following is a list of ground support equipment required for testing the Boeing 747 200/400 Fuel Quantity Indicating System.

PSD90-3AC | Order Code 22160649

New AC Capacitance Test Set contains all the necessary functionality to measure and simulate capacitance and perform insulation resistance and continuity tests on the aircraft wiring. Includes functionality to automatically alert and manually test for contaminated fuel probes.

Please refer to the PSD90-3 product data sheet for more information.



The PSD90-3AC replaces the PSD60-2R

PSD60-2R | Order Code 693 | Legacy Part Number 01-0597-00

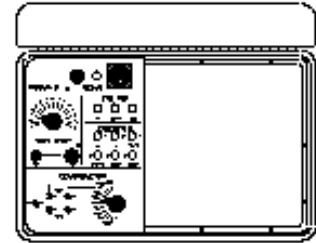
The PSD60-2R Fuel Quantity Test Set is an accurate, stable unit designed to test AC capacitance type fuel quantity measurement systems and their line replaceable components. The PSD60-2R, along with aircraft-specific interface units or cables, provides complete capability to test most aircraft with AC capacitance systems. The PSD60-2R performs these functions:

- Measurement of total tank capacitance, individual tank units and compensators
- Simulation of capacitance for indicator calibration
- Simulation of compensator capacitance value for dry calibration
- Measurement of the insulation resistance of tank units and aircraft harness
- Measurement of coax center conductor to shield for fault isolation
- Display of capacitance resolution to 0.00 pF for accurate individual tank unit testing (to 199.99 pF)



PSD747-2-01 Test Set | Order Code 767 | Legacy Part Number 01-0772-00

The PSD747-2-01 Test Set (Order Code 767) includes the following items:

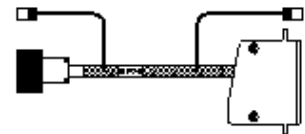


PSD747-2 | Order Code 768 | Legacy Part Number 01-0772-01

PSD747-2 Interconnect Tester. Capable of Go/No-Go densitometer tests, checking calibration resistors, vibrating spool and associated wiring. Provides access to VTO potentiometer and discrete input signals for measuring resistance. Selects the fuel probe to be measured.

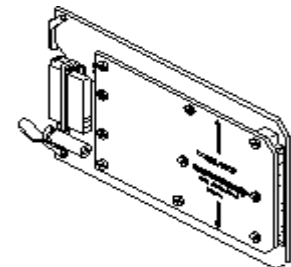
PSD747-20 | Order Code 57561 | Legacy Part Number 55-0772-03

The PSD747-20 Interface Cable is part of the PSD747-2 test set. It connects between the PSD747-21 and the PSD747-2.



PSD747-21 | Order Code 17849 | Legacy Part Number 20-6115-00

The PSD747-21 Circuit Card Adapter is part of the PSD747-2 TS. It replaces one of 7 Individual Fuel Quantity Channels (IFQC) shield/programmed assemblies to provide access to transmitters, compensator, densitometer, VTO and discrete terminals. This allows measurements to be made at the processor IFQC connectors through the system interface and aircraft wiring.



PSD747-22 | Order Code 57560 | Legacy Part Number 55-0772-02

The PSD747-22 Interface Cable is part of the PSD747-2 TS. Connects between the tank wall connector and the PSD747-2 to provide access to transmitter and compensator terminals. Allows measurements of in-tank components to be made at the tank wall.



PSD747-23 | Order Code 57559 | Legacy Part Number 55-0772-01

The PSD747-23 Interface Cable is part of the PSD747-2 TS. Connects between the tank wall connector and the PSD747-2 to provide access to the densitometer terminals.



PSD747-24 | Order Code 57562 | Legacy Part Number 55-0772-04

The PSD747-24 Interface Cable is part of the PSD747-2 TS. Used only on 747-200 aircraft with the Simmonds "Classic Retrofit". Connects between the main and reserve tank wall connectors and the PSD747-2, to provide access to transmitter and compensator terminals.



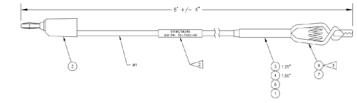
PSD747-25 | Order Code 57563 | Legacy Part Number 55-0772-05

The PSD747-25 Interface Cable is part of the PSD747-2 TS. Used only on 747-200 aircraft with the Simmonds "Classic Retrofit". Connects between the center tank wall connectors and the PSD747-2, to provide access to transmitter and compensator terminals.



58345 Cable Assy, Ground Strap

Used for test set grounding



58346 Cable Set, LoZ/HiZ

LoZ/HiZ interconnect to the PSD90-3 or PSD60-2R test sets

