Boeing 737 with TSU or TSD
Fuel System Support Equipment

The following is a list of ground support equipment required for testing Boeing 737 with Transient Suppressor Devices (TSD) or Transient Suppressor Units (TSU) 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 detect and manually test for contaminated fuel probes.

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

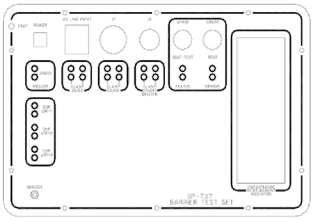
The PSD90-AC replaces the PSD60-2R

PSD60-2R Mod 6 | 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)

SP737 | Order Code 889 | Legacy Part Number 01-1021-00



The SP737 FQIS Barrier Device Test Set is used to perform return-to-service testing of the Goodrich (UTC) Transient Suppression Device (TSD) on the bench or installed on Boeing 737 aircraft with digital indicators.

The SP737 contains the following cables:

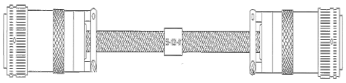
SP737 Dry Side Cable | Order Code 58027 | Legacy Part Number 55-1021-00

The SP737 Dry Side Cable connects between the SP737 and the TSD “Dry Side” connector.

SP737 Safe Side Cable | Order Code 58028 | Legacy Part Number 55-1021-01

The SP737 Safe Side Cable connects between the SP737 and the TSD “Safe Side” connector.

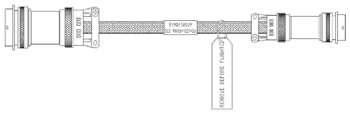
SP737 TSD Jumper Cable | Order Code 58029 | Legacy Part Number 55-1021-02



The SP737 TSD Jumper Cable is used to bypass the TSD for testing the fuel quantity indicator system with digital TSD units.

Available for separate purchase:

FSTSD | Order Code 890 | Legacy Part Number 10-1021-50



The FSTSD Float Switch TSD Test Box is used to perform post-installation checkout of the Float Switch Transient Suppression Device (FSTSD) on Boeing 737 Aircraft. The TSD Float Switch TSD Test Box provides the ability to measure the continuity of the float switch and simulate a closed or open float switch.

ATSD Jumper Cable | Order Code 58033 | Legacy Part Number 55-1021-06

The ATSD Jumper Cable is used to bypass the ATSD (Analog Transient Suppressor Device) for testing the Fuel Quantity Indicator System with Analog TSD units.

TSD Calibration Cable (Boeing) | Order Code 58030 | Legacy Part Number 55-1021-03

The TSD Calibration Cable is used to calibrate the Goodrich (UTC) indicator. It is used on B737 aircraft with the original Boeing (Cinch) harness.

TSD Calibration Cable (Goodrich) | Order Code 58032 | Legacy Part Number 55-1021-05

The TSD Calibration Cable is used to calibrate the Goodrich (UTC) indicator. It is used on B737 aircraft with the original Goodrich (UTC) harness.

PSD60-DCTU | Order Code 57265 | Legacy Part Number 55-0597-13

The PSD60-DCTU is used to test B737 and 747 aircraft with the Smiths TSU (DCTU) installed. Allows for reading the total tank capacitance of all tanks and for capacitance simulation to the indicator. Connects at the indicator between the indicator and the DCTU. The PSD60-503 is required if connecting between the DCTU and the aircraft wiring.