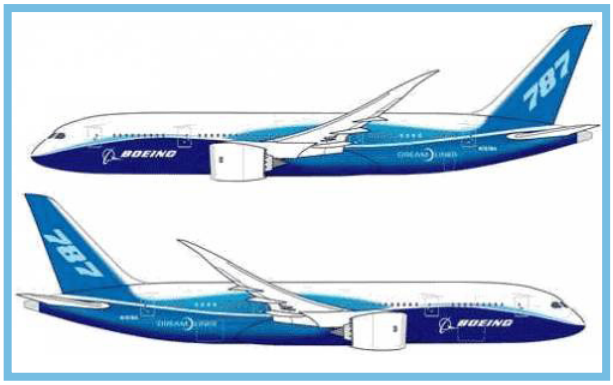
ATK4787 Wiring System Service Kit
For the BOEING 787

ASTRO TOOL CORP.
CONNECTOR ASSEMBLY TOOLING



Modern aircraft, like the Boeing 787, have complex wire harnesses and electrical systems that are essential to direct power and communication. These systems contain hunndreds to thousands of connectors, contacts, and terminals that, at times, may fail and need repair.

Astro Tool Corp.has researched this complex system and created the ATK4787 kit to take the guess work out of determining the required tooling and drastically simplify repairs. The kit contains all the necessary information including connector, contact, and terminal cross references charts, tool selection charts, and illustrated operating instructions for each tool included in the kit. By having this information readily available, the ATK4787 can significantly reduce the costs and revenue loss associated with AOG.

The kit is available in two different case types. The ATK4787 comes with four portable, fiberglass and aluminum cases that are designed for on-site field maintenance. The kit is environmentally-sealed and equipped with gaskets to protect against moisture intrusion. Inside, foam inserts are cut to the shape of each tool to ensure safe travel and easy storage. A captive restraint mechanism and heavy duty hardware are in place to secure tools within their foam cavities.

Available also in a roll-around cabinet version, the ATK4787R is designed for FBO depot-level workshop maintenance. The 8-drawer cabinet with removable 3-drawer top is constructed of steel, has built in locks, and comes equipped with sliding drawers and wheels to allow it to roll around the work-shop or hangar. It includes a hydraulic crimp tool and heavy-duty cable tie tool not offered with the portable version.

Actual kit may vary from examples shown.

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ATK4787 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
Boeing	BACC63CV/CW Series
Boeing	BACC63CT/CU Series
Boeing	BACC63CM/CN Series
Boeing	BACC66F/H/K Series
Boeing	BACC65 Series
Boeing	BACC65AV/AN Quadrax Series
Boeing	BACC65 Feed Through Bulkhead
Boeing	BACT12AC/BACT13 Terminals
EN3545	Rectangular
FENWAL	Fire Detection Connectors
KINGS	RF Coaxial
TYCO	Stratotherm Series

TOOL KIT CONFIGURATION	
Type of Case	Portable (ATK4787) 8-drawer roll-around tool box (ATK4787R)
Number of Cases	4 (ATK4787) 2: 5-drawer roll-around with 3-drawer case on top (ATK4787R)
Color	Yellow (ATK4787) Red (ATK4787R)
Type of Construction	Fiberglass/aluminum
Application	Boeing 787
Coverage	Airframe power connectors
	Terminal size 12 AWG and smaller
	Coaxial connectors
Type of Inserts	Unicellular polyethylene foam with silhouetted tool cavities

NOTICE

Unless otherwise stated by Astro Tool Corp, the tools included in the ATK4787 kit have been selected based upon their appropriateness to service the associated connectors or contacts used in the Boeing 787 aircraft. Military standard tools have been utilized wherever possible, but may not necessarily be the production tools used to manufacture the aircraft. Therefore, these tools may not match the tools mentioned in the OEM wiring manual and/or the Chapter 20 Standard Wiring Practices Manual list of approved tooling. Please call for verification.

ATK4787 TOOL AND ACCESSORY LIST		
	11	CRIMP TOOLS
	4	TURRET HEADS
	24	POSITIONERS
	3	SINGLE POSITION HEADS
	24	DIE SETS
	15	METAL INSERTION TOOLS
	25	METAL REMOVAL TOOLS
	69	PLASTIC INS/REM TOOLS
	5	CONTACT GAGES
	3	UNWIRED CONTACT REMOVAL TOOLS
	1	WIRE CUTTER
	14	WIRE STRIPPERS
	1	IN-SERVICE INSPECTION GAGE
	1	DIE REMOVAL TOOL
	1	HEX WRENCH
	1	WIRE HARNESS SPOON
	4	COAXIAL CABLE STRIPPER
	4	BANDING TOOLS
	1	HYDRAULIC CRIMP TOOL (ATK4787R)
	17	TRIM JAWS
	56	ALUMINUM ADAPTOR TOOLS
	2	SPIGOT WRENCHES
	1	WIRE SEPARATOR TOOL

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