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STC Information Sheet

FAA STC: ST04455AT

Master Drawing List: 2-143713-001

Aircraft: Boeing 747-400/-400F Series Aircraft

Configuration: 1

Honeywell MK II Aircraft Communication, Addressing, and Reporting System (ACARS) with Data Link Communication Function

Mod. Order: 2-143713-801

AFMS: 2-143713-805

2-143713-806

Master Kit List: 2-143713-802

ICA: 2-143713-804

Summary:

The Honeywell MK II Aircraft Communication Addressing and Reporting System (ACARS) with PM-CPDLC consists of a Communication Management Unit (CMU) and an Aircraft Personality Module (APM) installed in the avionics compartment, replacement of the existing Center Very High Frequency (VHF) Communication Transceiver, and replacement of the Cockpit Voice Recorder (CVR) and Panel with a Solid State Cockpit Voice Recorder (SSCVR) and associated Cockpit Voice Recorder Microphone Monitor Panel capable of recording datalink messages.

Notes:

This configuration is for aircraft with and without existing ACARS provisions and requires an existing VHF 3 system.

- (1) Operational software (OPS) consists of six diskettes loaded with the following:
 - a. Core Software – 998-6063-521
 - b. Application Software – 998-6092-521
- (2) The database software is user modifiable software. It is acceptable to install a later released version of the software.
- (3) AOC database software consists of one diskette loaded with the following:
 - a. AOC Software – 69000740-504.
- (4) ATC database software consists of one diskette loaded with the following:
 - a. ATC Software – 69001264-502.



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Material List

QTY	Part Number	Description	Source/MFGR
1	965-0758-006	Communications Management Unit (MK II)	Honeywell
1	964-0465-001	Aircraft Personality Module (APM)	Honeywell
1	963-2431-021 ⁽¹⁾	Software Diskette, ACARS OPS	Honeywell
1	963-0101-048 ⁽²⁾⁽³⁾	Software Diskette, AOC Database	Honeywell
1	963-0101-204 ⁽⁴⁾	Software Diskette, ATC Database	Honeywell
1	822-1250-002	VHF Transceiver (VHF-920)	Rockwell Collins
1	980-6032-001	Cockpit Voice Recorder (HFR5-V)	Honeywell
1	980-6117-004	Cockpit Voice Recorder Microphone Monitor Panel (CVRMMP)	Honeywell
1	980-6115-001	Remote Microphone	Honeywell
1	B747-CPDLC-900	Top Kit, B747 ACARS PM-CPDLC	B/E Aerospace