

MOBILE FACILITY PROGRAM REVIEW
ACTION ITEM

ACTION ITEM NO.: 3-82

DATE SUBMITTED: 04/25/07

SUBMITTED BY: GySgt Houchins, W/C 990, MALS-11

PROBLEM: A/E32C-45 environmental control unit is being replaced by a newer unit with the same part number (1559AS100-1). When the legacy ECU has a bad compressor, another one is placed on order. The new compressor has changes incorporated by OEM that make it incompatible with older R-22s. The new compressor will not fit unless a modification is made to the tubing. The information is derived from the following:

NA19-60-83, WP 10, Pg 14-17 Figures 1 and 2.

ECU part number 1559AS100-1, Compressor part number 1559AS130-1 item 12, Access valve 1559AS146-1 item 5, Elbow W-2017 item 17.

RECOMMENDATION: Recommend a TD for this unit so legacy ECU's can be fitted with the new compressors.

STATUS: 05/18/07 Under Review.

6/13/07 - PM - Lakehurst needs to research this issue and provide the correct part numbers to the fleet. Fedlog should carry all active part numbers as well. Lakehurst this is in your court.

6/20/07 - Will be discussed at the IPT.

03/01/08 - Under investigation for additional data.

01/29/09 Researching options for RAMEC and to be discussed with manufacturer

05/21/09 CLOSED High cost of R-22 compressor replacement is cost prohibitive. Not justified with fielding of the R-134A replacement ECU.

ACTION AGENCY: NAWCAD Lakehurst