



AIR - COOLING - IGNITION COOLING LEADS - INTRODUCTION OF REINFORCED AND ABRASIVE  
RESISTANT COOLING HOSES FOR THE IGNITOR BOX - CATEGORY CODE 7 - MOD.ENG-75-0065

1. Planning Information

A. Effectivity

- (1) Aircraft: (a) McDonnell Douglas MD-90
- (2) Engine: (a) V2525-D5 engines prior to serial no.V20156  
(b) V2528-D5 engines prior to serial no.V20156

B. Concurrent Requirements

None.

C. Reason

(1) Condition

Deformation of the cooling hoses of the ignition exciter can occur. This causes a restriction in the hoses which decreases the cooling air flow to the ignition cooler boxes.

The problem is caused by the restricted space between the ignition cooling boxes, adjacent features and the length of connections.

(2) Background

This condition was found on the engine-build production line.

(3) Objective

The purpose of this Service Bulletin is to maintain reliability.

(4) Substantiation

A satisfactory engineering analysis has been done on the changes contained in this Service Bulletin. A satisfactory trial installation has been done on production engines.

(5) Effect of Bulletin on workshop procedures



## SERVICE BULLETIN

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

## (6) Supplemental Information

None.

D. Description

## (1) The changes introduced are:

- (a) The cooling hoses of the ignition exciter have changed. Wire reinforcement has been added to the elbows. An abrasive resistant sleeve has been added to the section of the hoses where they are adjacent to each other and to other pipes and connections.
- (b) The clip at clip point CP8061 has changed. It has increased in size and the sleeve is made of pliable rubber, to suit the revised rear cooling hose.

E. Approval

The part numbers changes and/or part modifications are given in Section 2 and 3 of this Service Bulletin. They obey the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model listed.

F. Compliance

Category Code 7

This Service Bulletin can be done when there are no initial parts remaining.

G. Manpower

Estimate of man-hours necessary to do this Service Bulletin in full:

Venue	Estimated Man-hours
(1) In Service .. .. .	Not applicable
(2) At overhaul .. .. .	No additional time is necessary to do this Service Bulletin

NOTE: The parts affected by this Service Bulletin are accessible at overhaul.

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## H. Material - Price and Availability

- (1) A Modification Kit not necessary
- (2) See "Material Information" section for prices and availability of spares.

## I. Tooling - Price and Availability

Special tools are not necessary

## J. Weight and Balance

- |     |               |    |    |    |  |
|-----|---------------|----|----|----|--|
| (1) | Weight change | .. | .. | .. | None   |
| (2) | Moment arm    | .. | .. | .. | No effect  |
| (3) | Datum         | .. | .. | .. | Engine front mount centreline<br>(Power Plant Station - PPS 100) |

## K. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

## L. Reference

- (1) Internal Reference No.

EC96VR013

EC96VR013A

## M. Other Publications Affected

- (1) Illustrated Parts Catalog (IPC), Chapter/Section, 75-27-49.
- (2) Aircraft Maintenance Manual (AMM), Chapter/Section, 75-27-49, Removal/Installation.

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2. Accomplishment Instructions

A. Rework Instructions

None

B. Assembly Instructions

Remove the pre-mod hoses and replace them with the post-mod units. For the correct Removal/Installation procedures, refer to the MD-90 aircraft maintenance manual (AMM), Chapter/Section, 75-27-49.

C. Recording Instructions

(1) A record of accomplishment is necessary.



## SERVICE BULLETIN

3. Material Information

Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
BA202796 (75-27-49)	1	Note	Hose, ignitor cooling air-front (VK8319)	BA7729 (01-100)	(A)(B)(S1)
BA202795 (75-27-49)	1	Note	Hose, ignitor cooling air-rear (VK8319)	BA7728 (01-500)	(A)(B)(S1)
AS62415 (75-27-49)	1		Clip (CP8061)	TA02212 PH14TM (01-548)	(A)(B)(S1)

NOTE: The unit prices if shown, are an estimate and they are given for the purpose of planning only. For information about actual prices, refer to the IAE Price Catalog or contact IAE's Spare Parts Sales Department.

C. Instructions Disposition codes:

- (A) New part is currently available.
- (B) Old part will be discontinued.
- (S1) Old and new parts are freely and fully interchangeable.

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