

TRUCK HEAVY MC3 (MACK) - ALL TYPES
REPLACEMENT OF CLUTCH DISCS

MODIFICATION INSTRUCTION

Reference: A. AC in WM 30348/5, 30349/5, 30351/4, 30352/3, 30353/6, 30354/6,
30355/6, 30357/3, 30359/4, 30777/4, 30778/4, 30350/3, 30358/3,
30943/3

Introduction

1. This instruction details the replacement of the solid centre clutch discs with sprung centre clutch discs to reduce torsional vibration in the driveline and prevent transmission input shaft wear.

Note:

1. NSN and Designation used in this instruction were current at the date of issue. If twelve months or more have expired since issue, the NSN should be checked for supersession.

General

2. Estimated Manhours to Perform. 10.0 (initial planning only).
3. Priority. Group 2. Vehicles are to be modified when:
 - a. A vehicle is experiencing torsional vibration problems;
 - b. The transmission is removed for any reason; or
 - c. The vehicle mileage exceeds 120,000 km.
4. Modification Application. All subject vehicles.
5. Action Required. By RAEME units authorised to carry out field and base repairs.

TABLE 1 - STORES REQUIRED (To be demanded through normal supply channels)

Item	NSN	Designation	Qty per Equip
1.	2520-66-130-4755	DISC CLUTCH FRONT 128215	1
2.	2520-66-130-4756	DISC CLUTCH REAR 128216	1

TABLE 2 - STORES REMOVED (To be disposed of in accordance with GEN P series)

Item	NSN	Designation	Qty per Equip
1.	2520-66-122-7259	DISC CLUTCH FRONT	1
2.	2520-66-122-7296	DISC CLUTCH REAR	1

Detail

6. To carry out the modification, proceed as follows:
 - a. Remove the transmission and clutch assemblies as detailed in VEH G 704.
 - b. Inspect the transmission input shaft for wear and replace if spline wear exceeds .010 inch.
 - c. Replace the clutch discs with items 1 and 2 from Table 1 ensuring the replacement plates conform with Fig 1.
 - d. Refit the clutch assembly and transmission.

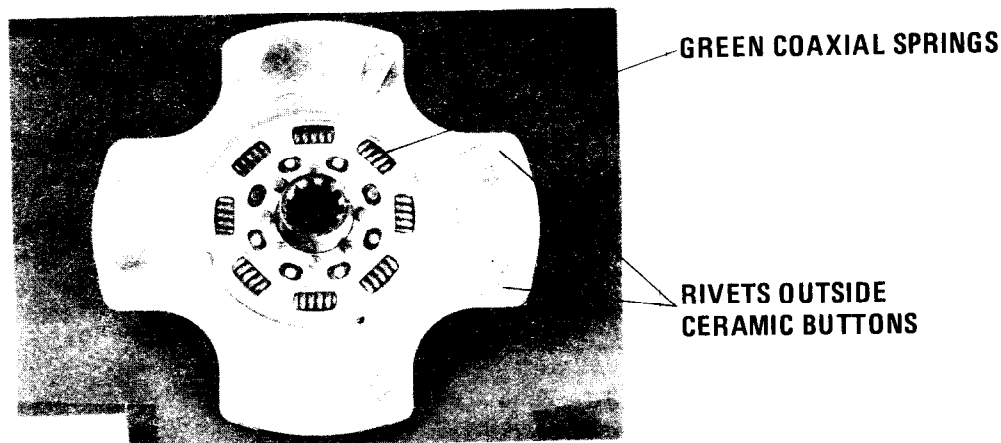


FIG 1 - REPLACEMENT CLUTCH DISC IDENTIFICATION

CAUTION:

1. Fit only genuine Spicer clutch discs which are identified by the letter 'S' on the rivet heads.

Modification Record Plate

7. The modification is to be recorded as follows:
 - a. Truck Cargo/Truck Cargo Winch Heavy MC3 (Mack) deface the numeral 19.
 - b. Truck Cargo Crane Heavy MC3 (Mack) deface the numeral 20.
 - c. Truck Ammunition/Truck Gun Tractor Heavy MC3 (Mack) deface the numeral 20.
 - d. Truck Dump/Truck Dump Winch Heavy MC3 (Mack) deface the numeral 17.
 - e. Truck Tank Fuel Heavy MC3 (Mack) deface the numeral 14.
 - f. Truck Tank Water Heavy MC3 (Mack) deface the numeral 15.
 - g. Truck Bitumen Distributor Heavy MC3 (Mack) deface the numeral 9.
 - h. Truck Transit Mixer Heavy MC3 (Mack) deface the numeral 11.
 - i. Truck Wrecker Heavy MC3 (Mack) deface the numeral 11.

E N D

Class 26.0 - Code 4 (MEA 8/88)

RESTRICTED