

Engineering Instruction

No. MD / 409
ISSUE 1

TITLE INJECTOR HIGH PRESSURE FUEL PIPE CLIPS FOR
D.M.U. ENGINES

LOCOMOTIVES, VEHICLES OR EQUIPMENT

<u>Description</u>	<u>Serial Nos.</u>	<u>Lot Nos.</u>
Leyland 680/1, 680/13 and TL11/40/2 Engines.	Class Nos. 101, 104, 107, 108, 116, 117, 118, 119, 121 and 141	

LOCOMOTIVE, VEHICLE OR EQUIPMENT CODES

DMU.101, DMU.104, DMU.107, DMU.108, DMU.116, DMU.117, DMU.118,
DMU.119, DMU.121, DMU.141

COMPONENT CODES

0151, 0154, 1218

INSTRUCTION

WORKS | **DEPOTS**

1. GENERAL

In order to separate the injector high pressure fuel pipes from each other, thus preventing fretting, it has been agreed that the existing injector high pressure fuel pipe clips shall be replaced by a new half block type clip. It should also be noted that a financial saving is involved in changing to the nylon clip, due to the high replacement cost of high pressure pipes.

Signed M. Whittan Date 9/14/84 Corres. Ref. TPE.177-204-110(LSH)

Countersigned M. Casey D. of M & E.E. Telephone No. 056-3524

For BREL HO. USE ONLY

BREL Eng. Inst. No.	Type of Instruction		Estimates of unit cost change are/are not required	
	Recurring	Non-Recurring	Recurring	Non-Recurring

To: • Divisional/Works Manager
• Works/Depot
Please acknowledge receipt of this Engineering Instruction

Signed: _____ Date: _____
SIGNED: MD/BREL

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Engineering Instruction

(Continuation)

2. INSTRUCTION

The existing injector high pressure fuel pipe clips fitted to D.M.U. Leyland Engines as listed on the front sheet of this instruction, under B.R. Cat. Nos. 15/46722 and 15/46723 Leyland Part Nos. 227545 and 227546 respectively shall be replaced by new half block type clips to B.R. Cat. No. 8/113641 (2 off/clip), Drg. No. M-A3-9025335 during MAIN WORKS ENGINE OVERHAUL.

3. MATERIALS

3.1 New Material

<u>Description</u>	<u>B.R. Cat. No.</u>	<u>Qty/Eng</u>
Half block clips	8/113641	8
Bolt, M8 x 35 mm long	3/100485	8
Nut, M8	3/176104	8
Washer, M8 Steel	3/190828	8

3.2 Displaced Material

<u>Description</u>	<u>B.R. Cat. No.</u>	<u>Qty/Eng</u>
Clip - Counterbored hole	15/46722	4
Clip - Tapped hole	15/46723	4
Set screw 1/4" dia x 5/8" L.	15/42052	8