

Engineering Instruction

No.

MD / 404

ISSUE 1

TITLE

REPLACEMENT OF OBSOLETE FUEL FILTER

LOCOMOTIVES, VEHICLES OR EQUIPMENT

Description

Serial Nos.

Lot Nos.

Leyland 680/1, 680/13 and AEC DMU Engines

Class 100, 101, 105, 107, 108, 116, 117, 118, 119, 120, 121, 122, 130 and 131

LOCOMOTIVE, VEHICLE OR EQUIPMENT CODES

DMU 100, 101, 105, 107, 108, 116, 117, 118, 119, 120, 121, 122, 130 and 131

COMPONENT CODES

0153

INSTRUCTION

WORKS

DEPOTS

The CAV fuel filter assembly to BR Cat No 15/46081 fitted to the Leyland 680/1, 680/13 and A.E.C. engines is obsolete and has been superseded by CAV filter assembly BR Cat No 15/1289 (as fitted on 680/1595 engines).

Action at Main Works

When filters require to be renewed, BR Cat No 15/1289 shall be fitted to Leyland engines only. Sufficient additional engines shall be converted to provide a float of spares for Leyland engine repairs at Depots, and AEC engine repairs.

The new filter assembly shall be installed in the same position as the old type. The connections to the filter are arrowed for direction of flow, and numbered. Pipe lengths and angles shall be adjusted to suit.

Signed M. Whittam Date 2/5/83 Corres. Ref. TPE/177-400-302 (EJD)

Countersigned M V Cooney D. of M & E.E. Telephone No. 056-3523

For B.R.E.L. HQ. USE ONLY

B.R.E.L. Eng. Inst. No.	Type of Instruction		Estimates of unit cost change are/are not required	
	Recurring	Non-Recurring	Recurring	Non-Recurring

Redistribution Panel

To :-

- * Divisional / Works Manager -----
- * Works / Depot -----

Please acknowledge receipt of this Engineering Instruction

Signed _____ Corres. Ref. _____ Date _____
for D.M.&E.E./MD, B.R.E.L.

* Delete whichever is not applicable

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Engineering Instruction

(Continuation)

New Components Required,

<u>Item</u>	<u>Qty</u>	<u>CAV Part No</u>	<u>BR Cat No</u>
Filter Assy, Type 2FS	1	5845B150	15/1289
Plug	2	7111-312	15/1293
Adaptor 1/2" UNF - 3/8" B.S.P.	2	7111-426	15/11301
Copper Joint Ring to BR Drg No M-A3-9001536 Item 44	2		8/188139
Bolt 7/16" B.S.F. x 1.3/4" Hex Head Precision Steel Grade 'R'	2		3/17310
Nut 7/16" B.S.F. Hex Precision Steel Grade 'A'	2		3/71070
Washer, Spring, 12 mm Double Coil Rectangular Section BS 4464,T3, Type 'D'	2		3/195851
Nipple 3/8"	As req	7097-70	15/47161
Nipple Nut 3/8" B.S.P.	As req	7097-71	15/47164

The correct filter element which shall be used with the above is
CAV 7111-296, BR Cat No 75/368.

At Depots:-

See Above for correct Filter Element. Filter Assemblies shall not be converted at Depots.

All B.R.E.L. Main Works Costs associated with the implementation of this Engineering Instruction shall be charged to abnormal work.

Identification:-

The later type assembly is readily distinguishable, as the filter element is not totally enclosed i.e. it is a canister element, sandwiched between the bracket at the top, and the bottom retaining cap. Therefore, no other identification need be applied.