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MODERNIZATION RECOMMENDATION

STRING-WOUND FILTER ELEMENT CONVERSION FOR ENGINE MOUNTED FUEL FILTER ASSEMBLY

PURPOSE:

The purpose of this Modernization Recommendation is to provide an engine mounted fuel filter with finer filtration, more predictable life, and easier maintenance.

The filter element which replaces the sintered bronze element is made of 15 wind viscose fibre and is eight inches long.

It is recommended for use with suction fuel strainer, 8298190, and the 30" fuel filter assembly, 8288530. This will provide a fuel filtration system equivalent to that used on production locomotives equipped with D series engines. It can also be used without the 30" fuel filter assembly provided pressure filter elements are used in the existing housings on the discharge side of the fuel pump.

APPLICATION:

All 567B, BC, and C engines.

REFERENCE:

Fig. 1 - Fuel Filter Application

**NEW MATERIAL
REQUIRED:**

Filter Conversion Kit - 8302424.

For replacement purposes the following are the individual parts making up the conversion kit:

Part No.	Qty.	Description
8302429	1	SUPPORT
8302431	2	PLUG
8124184	1	RING ..Snap
8214352	1	HANDWHEEL
8214342	1	WASHER .. Spherical
8302427	1	STUD
103320	6	WASHER .. Lock - 5/16"
179818	6	BOLT .. 5/16"-18 Hex. Hd.
138221	6	CAP-SCREW .. 5/16"-18 Hex. Socket Hd.
8309762	1	GASKET
8309763	1	GASKET
8302428	2	GASKET
8299457	2	ELEMENT .. Fuel Filter
8302209	2	SHELL ASSEMBLY
8302174	1	PLATE .. Adapter
8302116	1	ADAPTER

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April, 1962

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COST OF NEW MATERIAL:

The approximate cost for this application is \$57.00. This price should be used for job estimating purposes only; material will be billed at the prices in effect at the time of shipment.

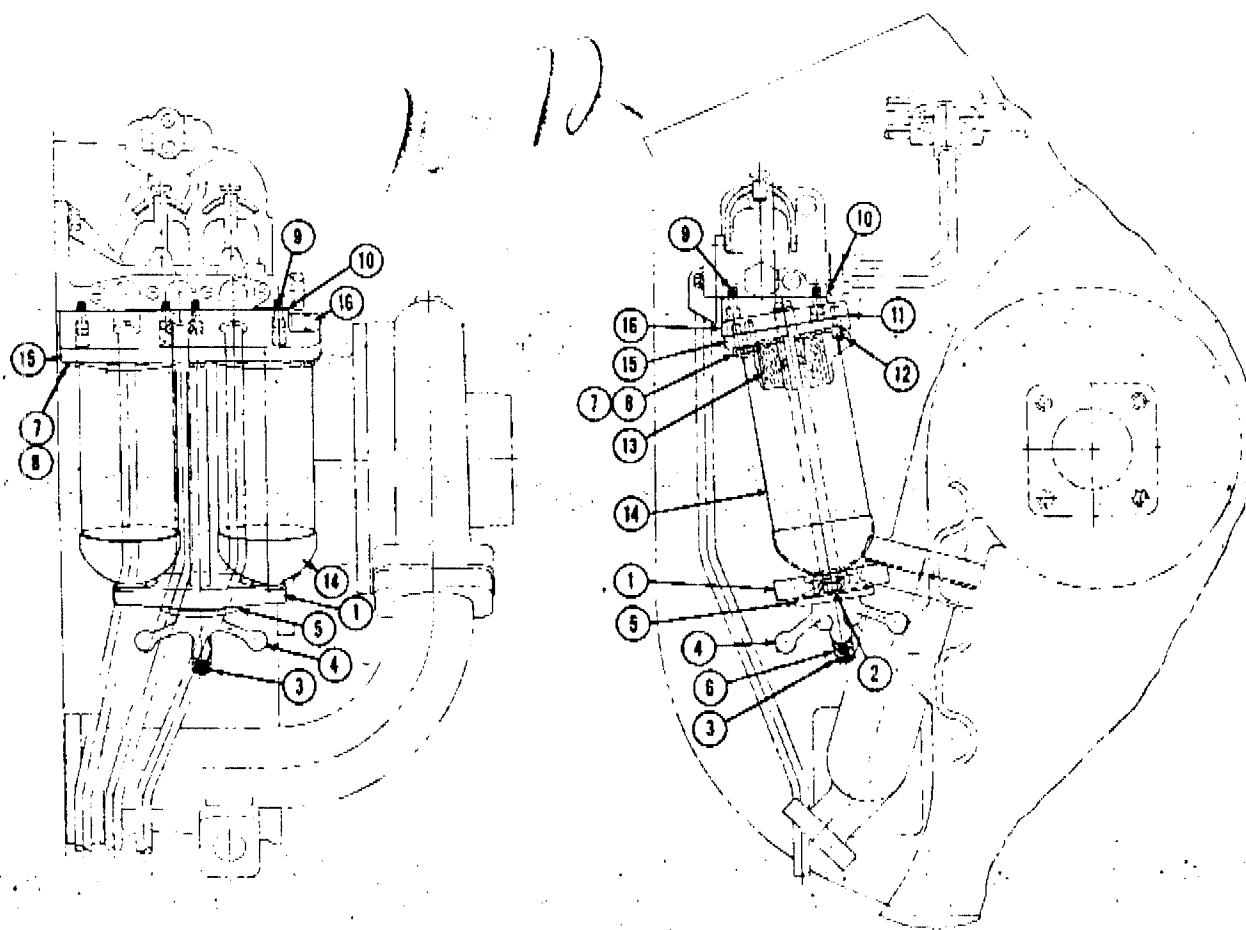
OLD MATERIAL REMOVED:

Case 8103580, sintered bronze elements, 8048181, filter body studs, 8104253, and gasket 8103579.

PROCEDURE

Remove the case, sintered bronze elements, filter body studs and gasket from the standard engine mounted assembly.

The new pieces are applied as shown in Fig. 1. All work can be done on the engine as no special machining is required.



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|---------------------|---|-------------------------|
| 1. Support | 7. 5/16" Lock Washer | 11. Gasket |
| 2. Plug | 8. 5/16" - 18 Hex. Hd. Bolt | 12. Gasket |
| 3. Snap Ring | 9. 5/16" - 18 Hex. Socket Hd. Cap Screw | 13. Fuel Filter Element |
| 4. Handwheel | 10. Gasket | 14. Shell Assembly |
| 5. Spherical Washer | | 15. Adapter Plate |
| 6. Stud | | 16. Adapter |

Fig. 1 - Fuel Filter Application