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Modified pre-pump filter sock

Applicable to

All Rolls-Royce and Bentley motor cars from vehicle identification numbers (VIN)

SCBZS0T03HCX20001

Introduction

A steel spring support has been introduced into the fuel system in tank pre-pump filter sock on all motor cars from vehicle identification numbers (VIN)

Rolls-Royce

Silver Spirit

*SCAZS00A9JCH22779*including

SCAZS02A7JCH22776

Silver Spur

*SCAZN02A8JCX22788*including

SCAZN02A2JCX22785

SCAZN00A6JCX22744

SCAZN02A4JCX22741

SCAZN02A2JCX22740

SCAZN02A9JCX22735

SCAZN02A7JCX22734

Silver Spur Limousine

SCAZN02A4JCX22853

Corniche

*SCAZD02A8JCX23023*including

SCAZD02A4JCX23021

SCAZD02A2JCX23020

SCAZD02A5JCX22962

SCAZD00A8JCX22960

Bentley

Turbo

*SCBZS0TA3JCH22820*including

SCBZS0TA7JCX22817

SCBZS0TA1JCH22752

Eight

SCBZE00A8JCH22808

Mulsanne 'S'

*SCBZS00A7JCH22775*including

SCBZS00A7JCH22596

Continental

SCBZD00A3JCH22959

Description

The steel spring reinforcement has been introduced to alleviate the possibility of the nylon filter sock collapsing onto the inlet port of the pre-pump.

Should the filter sock collapse in this way, the flow rate through the pre-pump is severely restricted. This results in a drop in the fuel pressure to the inlet of the main fuel pump which can allow 'cavitation' to occur in the main fuel pump.

The result of this 'cavitation' is a sudden and dramatic increase in the main fuel pump operating noise.

The spring may be retrospectively fitted to any motor car in service, prior to those listed under the heading 'Introduction', using the following procedure.

Procedure

- 1.) Remove the pre-pump as described in the Engine Management Systems Manual TSD 4737, Section C2, Page C2-8.
- 2.) Remove the nylon filter sock from the pre-pump by prising it off the pump body with a screwdriver blade or similar tool.
- 3.) Inspect the filter sock and ensure that it is clean and undamaged. Renew the filter sock if necessary.
- 4.) Insert the support spring into the filter sock by screwing the spring through the metal retaining collar. Ensure that the spring is positioned as shown in figure

K11-1

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K11-1 Support spring location K11-1.

- 5.) Push the filter sock back onto the pre-pump carefully making sure that the spring remains in its correct position.

Note:

The small plastic peg protruding from the inlet port of the pump should be located between the coils on the spring (see fig.

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K11-1 Support spring location K11-1). This will prevent the spring from moving its position when the assembly is installed in the fuel tank.

- 6.) Re-fit the pre-pump assembly to the fuel tank taking care not to damage the electrical connections or feed wires.

Defect and Repair code manual

Defect code
3104000027

Repair code	Time
31040000S	1.2 hours

Parts affected

New part number	Description	Quantity	Displaced part number
UE 72427	Spring - filter sock - pre-pump	1	N/A

Hil/MS