

**S-TYPE**

DATE 12/00

S303-S137

SERVICE**TECHNICAL BULLETIN**

V6 Engine Knocking Sound –
Contaminated Oil Cooler –
Service Action S137

MODEL 2001 MY
3.0L S-TYPE
VIN L86902-L93749

Issue:

As a result of ongoing process assessments, Jaguar Cars has identified a concern on a number of S-TYPE vehicles within the above VIN range.

On the vehicles involved, it is possible that contaminants may be present in the oil cooler system. This may result in a heavy bottom end knocking sound emanating from the engine.

Action:

Road test all unsold S-TYPE vehicles, within the above VIN range, for 50 miles / 80 kilometers, only if the odometer indicates a 50 mile / 80 kilometers road test has **not** been carried out at the factory. Since this may require fuel to be added to the tank, refer to the warranty section, for the fuel quantity reimbursement amount.

Note: Remove the brake disc protection bags before the road test.
No vehicle should be delivered to a customer with more than 80 miles / 128 kilometers recorded.

During the road test the vehicle should not exceed local speed limits. The test should include 10 kick-downs for automatic vehicles, to achieve a 5 to 3 or 4 to 2 downshift with up to 100% throttle. This should be done once the engine has reached normal operating temperature. Each kick-down, down shift should be performed when the vehicle has slowed to approximately 40 mph / 64 km/h.

⚠ Warning: The kick down, down shifts should only be performed as a test procedure when the road conditions are safe to do so.

If a vehicle exhibits a heavy bottom end knock during the road test the vehicle should be stopped immediately and transported back to your premises where arrangements should be made to install a replacement engine. If towing is required, contact your Jaguar warranty claims specialist for advice on claim submission.

Road testing after engine replacement should be confined to a normal road test procedure that should be limited to under 10 miles / 16 kilometers. This should result in an odometer reading of no more than 80 miles / 128 kilometers.

REPLACE V6 ENGINE

- The procedure for removing and replacing the engine is detailed in JTIS 11 section 303-01A.

Please note the following points.

- The new engine includes a new oil cooler. There is no need to order a replacement oil cooler.
- Recover the air conditioning refrigerant and recycle it for reuse when the replacement engine has been installed.
- Save the antifreeze for reuse.
- The power steering fluid may be drained off and discarded.
- Check the oil level in the replacement engine on completion of the installation before starting the engine - correct the oil level, if necessary.

Parts Information:

If replacement parts are required after the road test has been completed, the relevant parts should be ordered via Jaguar Parts Operations following the normal procedure. Engines will be supplied in a 'Fully Dressed' condition to eliminate labor time that would otherwise be required to change over accessories such as the PAS pump and air conditioning compressor.

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Automatic V6 Engine	XR8 22542 K	1
Nut, Drive Plate to Torque Converter	JZN 100063	4
P.A.S Fluid 1 Liter	JLM 20772	1
Auto Transmission Fluid (for topping up) 1 Liter	JLM 21044	1
Coolant	JLM 20972 3	1

Warranty Information:

Service Action S137

<u>VEHICLE</u>	<u>SUMMARY CODE</u>	<u>R.O. NUMBER</u>	<u>DESCRIPTION ALLOWANCE</u>	<u>TIME</u>
S-TYPE 3.0L 2001 MY VIN L86902-L93749 Model codes 6100, 6110	QA	10.10.25	Road test	1.00 hrs.

Sublet

Fuel \$8.00

S-TYPE 3.0L 2001 MY VIN L86902-L93749 Model codes 6100, 6110	QF	10.10.25 10.10.10	Road test Drive in/drive out	1.00 hrs. 0.15 hrs.
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Sublet

Fuel \$8.00

S-TYPE 3.0L 2001 MY VIN L86902-L93749 Model codes 6100, 6110	QD	10.10.25 12.41.01	Road test Replace Engine	1.00 hrs. 10.65 hrs.
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Part Numbers	Description	Qty.
XR8 22542 K	V6 Engine	1
JZN 100063	Nut, Drive plate to torque converter	4
JLM 20772	P.A.S. Fluid, 1 Liter	1
JLM 21044	Automatic Transmission Fluid, 1 Liter	1
JLM 20972 3	Coolant	1

Sublet

Fuel \$8.00

<u>VEHICLE</u>	<u>SUMMARY</u> <u>CODE</u>	<u>R.O.</u> <u>NUMBER</u>	<u>DESCRIPTION</u> <u>ALLOWANCE</u>	<u>TIME</u>
S-TYPE 3.0L	QG	10.10.25	Road test	1.00 hrs.
2001 MY		12.41.01	Replace Engine	10.65 hrs.
VIN		10.10.10	Drive in/drive out	0.15 hrs.
L86902-L93749				
Model codes				
6100, 6110				

Part Numbers	Description	Qty.
XR8 22542 K	V6 Engine	1
JZN 100063	Nut, Drive plate to torque converter	4
JLM 20772	P.A.S. Fluid, 1 Liter	1
JLM 21044	Automatic Transmission Fluid, 1 Liter	1
JLM 20972 3	Coolant	1

Sublet
Fuel \$8.00

Note: If towing is required, contact your Jaguar warranty claims specialist for advice on claim submission.

NOTE: Always perform a DCS claim search first to determine whether this service action has been performed on this vehicle. The warranty selection under the vehicle inquiry will give a listing of all claims against the vehicle. If S137 appears in the fault code field, do not perform this service action.

CLAIM SUBMISSION PROCEDURE:

Warranty summary codes have been assigned to this service action in order to simplify claim submission. The dealership will be reimbursed the parts and labor time allowance as indicated.

DCS DEALERS

Submit claims using the appropriate summary code for the vehicle model and work performed. Follow standard campaign submission procedures.

NON-DCS DEALERS

Submit claims on the Recall Campaign Summary form W-25. Enter the appropriate summary code for the vehicle model and work performed in the Repair Code column. Do not use the W-1 warranty claim form.

