

**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**

XR8 22542 K  
JZN 100063  
JLM 20772  
JLM 21044  
JLM 20972 3

**Description**

V6 Engine  
Nut, Drive plate to torque converter  
P.A.S. Fluid, 1 Liter  
Automatic Transmission Fluid, 1 Liter  
Coolant

**Qty.**

1  
4  
1  
1  
1

**Sublet**

Fuel \$8.00

<u>VEHICLE</u>	<u>SUMMARY CODE</u>	<u>R.O. NUMBER</u>	<u>DESCRIPTION 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				

<u>Part Numbers</u>	<u>Description</u>	<u>Qty.</u>
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.