



V8 XJ Series/XK

DATE 02/03  
Amended 04/03

303-60

SERVICE

## TECHNICAL BULLETIN

### Coolant Pumps – Identifying Impeller Material – Pump Replacement Guidelines

MODEL  
1997 MY-ON XK8 Range  
1998-2003 MY V8 XJ Series  
VIN  
001001-ON  
812256-F59525

Remove and destroy Bulletin 303-60, dated 02/03.  
Replace with this Bulletin.  
Revisions are marked with a bar and in **bold text**.

#### Issue:

A large number of V8 coolant pumps are replaced unnecessarily for the following reasons:

- routinely following an engine overheat condition,
- incorrect diagnosis of leakage, or
- incorrect identification of impeller material.

As a result, a significant proportion of warranty returns have been identified with no fault found.

#### Action:

Note the following guidelines before replacing a V8 coolant pump:

#### OVERHEATING

Before replacing the coolant pump following an overheating condition, observe the following guidelines:

#### **VIN 001036-028000 (XK series) and VIN 812256-843500 (V8 XJ series)**

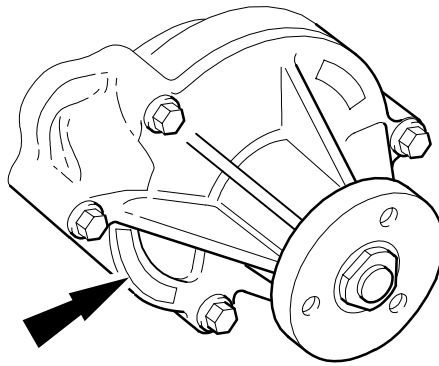
Check the part number on the body of the coolant pump, following the procedure below. Replace the coolant pump if the part number is:

**96JV-8501-CA,  
96JV-8501-CB,  
96JV-8501-CC or  
96JV-8501-CD**

#### Checking coolant pump part number

**Note:** The following procedure is for checking the coolant pump part number only; any other repairs are to be carried out as a separate Warranty Claim.

## LOCATION OF COOLANT PUMP PART NUMBER



J.303.1731

ILLUSTRATION 1

1. Remove coolant pump pulley. (See Workshop Manual, JTIS CD ROM, 1998 MY, section: 303-03, SRO 26.50.05)

**Note:** For all affected model years refer to JTIS procedure for 1998 MY V8 XJ and XK series vehicles. The procedure is not listed under any other model year.

2. Check coolant pump part number. If any of the part numbers are as follows, 96JV-8501-CA, CB, CC or CD, replace the coolant pump. (Illustration 1).
3. Install the coolant pump pulley. (See Workshop Manual, JTIS CD ROM, section: 303-03, SRO 26.50.05).

**Note:** For all affected model years refer to JTIS procedure for 1998 MY V8 XJ and XK series vehicles. The procedure is not listed under any other model year.

### **VIN 028001-on (XK series) and VIN 843501-on (V8 XJ series)**

It is not necessary to remove the coolant pump pulley for inspection unless there is a genuine coolant pump concern.

**Do not replace these coolant pumps as a matter of Policy.**

### LEAKAGE

**Note:** Do not assume that staining around the exterior of the coolant pump body is due to a coolant pump leak. Check the cooling system joints, for leaks, in the area above the coolant pump. For any cooling system issues follow the workshop procedure as detailed in JTIS for checking/diagnosing the cooling system.

On replacement engines, it is not necessary to replace the coolant pump, unless the coolant pump being transferred has one of the part numbers listed above.

## IDENTIFYING COOLANT PUMP IMPELLER MATERIAL

**Note:** Do not automatically assume that a black impeller is made of Nylon 66.

For information, listed below are the details of coolant pump changes and the introduction VIN.

<b>Coolant Pump Impeller Color &amp; Material</b>	<b>XK VIN Range</b>	<b>V8 XJ Series VIN Range</b>
Black Nylon 66	001036 - 028000	812256 - 843500
Black Poly Phenyl Sulphide	028001 - 040100	843501 - <b>873499</b>
White Poly Phenyl Sulphide	040101 onwards	<b>873500</b> - F59525

### **Warranty Information:**

Warranty claims should be submitted quoting the information found in the table below. This will result in payment of the stated time and, where applicable parts/miscellaneous expense codes as listed.

<b>Description</b>	<b>Vehicle</b>	<b>SRO</b>	<b>Time</b>	<b>Causal Part Number</b>
Check coolant pump part number	XJ8	26.91.11	0.3 hrs.	JLM 21594
Check coolant pump part number	XK8	26.91.11	0.4 hrs.	JLM 21594
Check coolant pump part number	XJR/XKR	26.91.11	0.6 hrs	JLM 21594