



V8 XJ Series/XK

DATE 04/03
Amended 08/03

204-S499

SERVICE

TECHNICAL BULLETIN

Lower Wishbone Front Bushing –
Change Of Specification –
Service Action S499MODEL
1999-2000 MY XK Range
1999-2000 MY V8 XJ Series
VIN
034426-A06104
862295-F11235Remove and destroy Bulletin 204-S499, dated 04/03.
Replace with this Bulletin.
Revisions are marked with a bar and in **bold text**.**Issue:**

As a result of ongoing quality improvements, Jaguar Cars has identified an opportunity to address a potential concern on a number of vehicles within the above VIN range, whereby the lower wishbone bushings in the front arms may split.

Analysis has confirmed vehicles manufactured after February 2000 are less likely to exhibit this concern due to manufacturing improvements to parts used from that date. Therefore, this action is only applicable to vehicles within the above VIN range.

The latest specification replacement parts for the wishbone front arm bushings are:

- XK Series vehicles - MNE 1360CA
- V8 XJ Series vehicles - MNE 1360BB

Jaguar Cars is aware that dealers have been using the rear wishbone bushing MNE 1360BB in place of MNE 1360AB in the Front Lower Wishbone on V8 XJ vehicles for some time. If, after inspection of the vehicle, it is determined that MNE 1360BB is already in place, replacement is not required.

On XK vehicles you should check DDW or any other Warranty/Service information that you have access to, to ensure that the front arm bushings have not already been replaced with the latest level parts (MNE 1360CA) prior to carrying out this Service Action.

Note: This Service Action details the **inspection and possible** replacement of both wishbone front arm bushings. This policy applies to vehicles affected by this Service Action only.

Action:

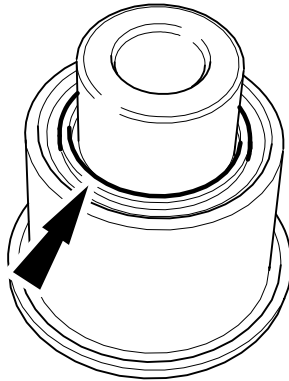
To ensure that the performance of the front lower wishbone bushings on the vehicles within the above VIN ranges is maintained to the latest level, **inspect and, if necessary**, replace the lower wishbone front arm bushings at the **next service opportunity**.

VISUAL INSPECTION OF BUSHINGS

To be carried out on XJ Series vehicles only to identify the level of bushing fitted.

Note: This method cannot be used on XK vehicles since the MNE 1360BB and MNE 1360CA bushing cannot be distinguished visually.

IDENTIFICATION RIB ON MNE 1360BB BUSHING



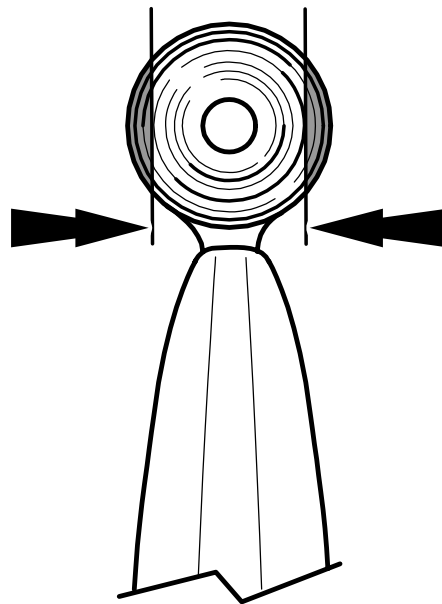
204.733

ILLUSTRATION 1

1. **Raise vehicle on ramp.**
2. **Inspect the front wishbone bushings. A raised circular rib around the circumference of the center steel core identifies the MNE 1360BB level bushing (Illustration 1).**

Note: If the MNE 1360BB level bushing is installed, no further action is required. If any other level of bushing is installed, continue with the procedure below to install MNE 1360BB level bushings.

"HALF-MOON" CUTS ON STEEL-CASED BUSHING



J.204.662

ILLUSTRATION 2

BUSHING REMOVAL PROCEDURE

1. Disassemble the front suspension as necessary, as detailed in JTIS, Section 204, **SRO 60.35.45 for XK vehicles, SRO 60.35.56 for V8 XJ Series vehicles. If removing steel-cased bushings continue procedure with step 2 below.**
2. Make 2 saw cuts through the rubber and **partly** into the flange of the steel casing, at the locations shown in Illustration 2, in line with the casing of the bush.

⚠ Caution: Do **not** cut **fully** through the steel flange. The sawcuts should penetrate through only 75 - 80 % of the thickness of the steel flange, so that the saw blade does not contact the wishbone arm.

3. Use a hammer and chisel, or similar hand-tool, to bend the 'half-moons' of the flange away from the wishbone arm.

⚠ Caution: Ensure that the wishbone arm is not nicked by hand tools used in this operation. If using a vise to hold the arm, use soft jaws.

Use pliers or grips to repeatedly bend the 'half-moons' back and forth until the 'half-moons' break off along the line of the saw cuts.

3. Position the wishbone arm on the support plates of the hydraulic press, so that the bushed end is supported by the plates where the 'half-moons' have been removed. This will allow the casing of the displaced bush to pass between the support plates (Illustration 3).

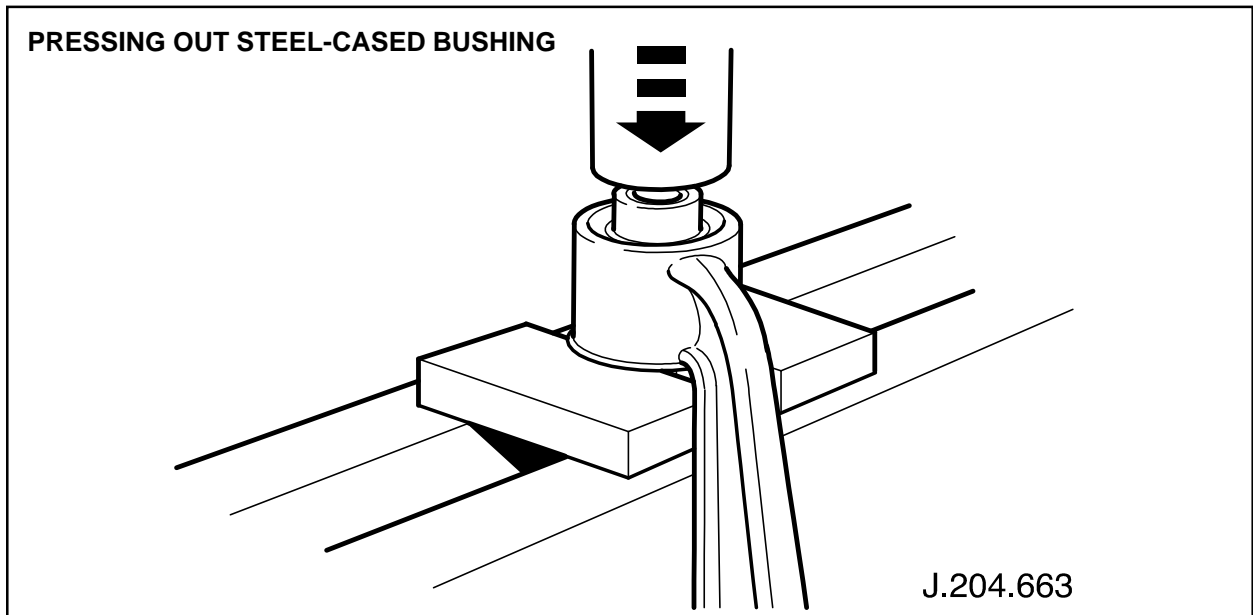


ILLUSTRATION 3

4. Using Special Tool 204-214, press the bush from the bore in the wishbone arm.

INSTALLATION OF STEEL-CASED BUSHINGS

1. Follow the existing procedures shown in JTIS, **with the following change:**

V8 XJ Series

- Use Special Tool 204-279 (rear arm bushing installer) when pressing in the bushing for the front arm of the lower wishbone, since the same bushing as in the rear arm is now used in both arms.

XK

- Use Special Tool 204-280 (front arm bushing installer) when pressing in the bushing for the front arm of the lower wishbone.
2. Refer to JTIS, Section 204, SRO 60.35.32 for reassembly.

Note: Repair policy requires the replacement of the parts listed in the parts section.

Parts Information:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Lower wishbone front bushing - XK	MNE 1360CA	2
Lower wishbone front bushing - V8 XJ Series	MNE 1360BB	2
Spring Pan Bolt - V8 XJ Series	JZS 100166	6
Locking nut - V8 XJ Series	JZN 100062	2
Torx-head Bolt - V8 XJ Series	JZS 100118	2
Anti Roll Bar Link Rod		
Lower Securing nut - V8 XJ Series	JFX 11004E	2
Locking nut - XK Series	JFX 11205E	2
Torx-head Bolt - XK Series	JZS 100164	4

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.

Drive in/drive out may only be claimed when the vehicle has been brought in for this action alone to be undertaken.

Use S499 as the program code with the relevant option code and **also enter** the SRO (s) and parts details on the claim applicable to the repair completed.

Service Action S499

Model	Year	VIN Range
XK Range	1999 MY	XC 034426 - XC 042775
XK8	2000 MY	YN A00116 - YN A06104
XKR	2000 MY	YP A00116 - YP A06104
V8 XJ Series	1999 MY	XC 862295 - XC 878717
V8 XJ NA	2000 MY	YL F00103 - YL F11235
V8 XJ SC	2000 MY	YM F00103 - YM F11235

Program Code	Option	Description	SRO	Time	Part Number	Part Description	Qty
S499	A	XK – Warranty data check – no further action required V8 XJ – Visual inspection of bushing – no further action required	10.10.99	0.2 hrs.	-	-	-
S499	K	XK – Warranty data check – no further action required V8 XJ – Visual inspection of bushing – no further action required	10.10.99	0.2 hrs.	-	-	-
		Drive in/Drive out	10.10.10	0.1 hrs.			
S499	B	XK – Replace wishbone front bushes – vehicle set	60.35.47	2.5 hrs.	MNE 1360CA JFX 11205E JZS 100164	XK Wishbone bush Locking Nut Torx-head Bolt	2 2 4
S499	C	XK – Replace wishbone front bushes – vehicle set	60.35.47	2.5 hrs.	MNE 1360CA JFX 11205E JZS 100164	XK Wishbone bush Locking Nut Torx-head Bolt	2 2 4
		Drive in/Drive out	10.10.10	0.1 hrs.			
S499	D	V8 XJ – Replace wishbone front bushes – vehicle set	60.35.47	2.9 hrs.	MNE 1360BB JZS 100166 JZN 100062 JZS 100118 JFX 11004E	XJ Wishbone bush Spring Pan Bolt Locking Nut Torx-head Bolt Anti roll bar link rod securing nut	2 6 2 2 2
S499	E	V8 XJ – Replace wishbone front bushes – vehicle set	60.35.47	2.9 hrs.	MNE 1360BB JZS 100166 JZN 100062 JZS 100118 JFX 11004E	XJ Wishbone bush Spring Pan Bolt Locking Nut Torx-head Bolt Anti roll bar link rod securing nut	2 6 2 2 2
		Drive in/Drive out	10.10.10	0.1 hrs.			

Note: Always review a Vehicle's Claim History within DDW first to determine whether this service action has been previously performed on a specific vehicle. The "Review Claim History" function will display a list of claims against the vehicle. If this service action appears in the program code field, do not perform this service action.