



MODEL  
S-TYPE, XJ,  
XK, XK8

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Service

TECHNICAL BULLETIN

ISSUE '3' CHANGES ARE HIGHLIGHTED IN GRAY

**SECTION: 303**

## Drive Belt Noise – Repair Procedure

### AFFECTED VEHICLE RANGE:

S-TYPE (X200)	VIN:	M45255 - N83948
	Model Year:	2002 - 2007
XJ (X350)	VIN:	G00422 - H17572
	Model Year:	2004 - 2007
XK (X150)	VIN:	B00379 - B17758
	Model Year:	2007
XK8 (X100)	VIN:	A30645 - A48684
	Model Year:	2003 - 2006

### CONDITION SUMMARY:

**Situation:** A noise or chirp may be heard from Front End Auxiliary Drive (FEAD) belt or Supercharger drive belt on cold start. This may be caused by the installed idler pulleys not controlling belt tracking correctly.

**Action:** In the event of a customer concern of the above, refer to the Repair Procedure outlined below to:

- Normally Aspirated (NA) vehicles: replace the FEAD belt and idler pulley with new flanged idler pulley and belt.
- Supercharged (SC) vehicles: replace the FEAD belt and idler pulley with new flanged idler pulley and belt; and / or replace supercharger idler pulley with new grooved idler pulley, tensioner, pulley bracket, and drive belt.

### PARTS:

C2C 37063 .....	Drive belt	Qty: 1
C2C 37064 .....	Flanged idler pulley	Qty: 1
C2C 37055 .....	Supercharger belt	Qty: 1
C2C 37056 .....	Supercharger pulley bracket	Qty: 1
C2C 37057 .....	Supercharger belt tensioner	Qty: 1
C2S 46862 .....	Supercharger idler pulley (grooved)	Qty: 1

### WARRANTY:



**NOTE:** Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Dealer, do not assume that a condition described affects your vehicle. Contact an authorized Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

<i>Description</i>	<i>SRO</i>	<i>Time (hours)</i>	<i>Condition Code</i>	<i>Causal Part</i>
Belt noise Service Fix - XJ (X350) 4.2L NA - VIN G00442 - G45703	<b>12.93.06</b>	<b>0.30</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - XJ (X350) 4.2L NA - VIN G45704 - H17572	<b>12.93.06</b>	<b>0.60</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - XJ (X350) 4.2L SC - VIN G00442 - H17572	<b>12.93.06</b>	<b>0.70</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - XJ (X350) 4.2L SC - VIN G00442 - G45703	<b>18.91.38</b>	<b>0.80</b>	41	C2C 37055 (SC)
Belt noise Service Fix - XJ (X350) 4.2L SC - VIN G45704 - H17572	<b>18.91.38</b>	<b>2.40</b>	41	C2C 37055 (SC)
Belt noise Service Fix - S-TYPE 4.2L NA - VIN M45255 - N52047	<b>12.93.06</b>	<b>0.30</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - S-TYPE 4.2L NA - VIN N52048 - N83948	<b>12.93.06</b>	<b>0.60</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - S-TYPE 4.2L SC - VIN M45255 - N52047	<b>12.93.06</b>	<b>0.60</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - S-TYPE 4.2L SC - VIN N52048 - N83948	<b>12.93.06</b>	<b>3.60</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - S-TYPE 4.2L SC - VIN M45255 - N52047	<b>18.91.38</b>	<b>0.80</b>	41	C2C 37055 (SC)
Belt noise Service Fix - S-TYPE 4.2L SC - VIN N52048 - N83948	<b>18.91.38</b>	<b>1.90</b>	41	C2C 37055 (SC)
Belt noise Service Fix - XK (X150) 4.2L NA - VIN B00379 - B17758	<b>12.93.06</b>	<b>0.90</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - XK (X150) 4.2L SC - VIN B00379 - B17758	<b>12.93.06</b>	<b>1.50</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - XK (X150) 4.2L SC - VIN B00379 - B17758	<b>18.91.38</b>	<b>1.40</b>	41	C2C 37055 (SC)
Belt noise Service Fix - XK (X100) 4.2L NA, SC - VIN A30645 - A48684	<b>12.93.06</b>	<b>0.40</b>	41	C2C 37063 (FEAD)
Belt noise Service Fix - XK (X100) 4.2L SC - VIN A30645 - A48684	<b>18.91.38</b>	<b>1.90</b>	41	C2C 37055 (SC)

*Normal warranty policy and procedures apply.*

## **REPAIR PROCEDURE**

### **REPLACE FRONT END ACCESSORY DRIVE AND / OR SUPERCHARGER DRIVE BELT SYSTEM**



**NOTE: Global Technical Reference (GTR) lookup sequence is as follows:**

**GTR Home > NAS > Model > Service Information > Model Year > Workshop Manuals > 3: Powertrain > 303: Engine > 303-05 / 303-05A: Accessory Drive - 4.2L**

1. If Normally Aspirated, refer to Workshop Manual (GTR) section 303-05 / 303-05A (12.93.06) and install a new flanged idler pulley (**C2C 37064**) and FEAD belt (**C2C 37063**).
2. If Supercharged, identify if the Front End Auxiliary Drive or Supercharger drive system is making the noise.
  - If FEAD system is noisy, refer to Workshop Manual (GTR) section 303-05 / 303-05A (12.93.06) and install a new flanged idler pulley (**C2C 37064**) and FEAD belt (**C2C 37063**).
  - If Supercharger drive system is noisy, refer to Workshop Manual (GTR) section 303-05 / 303-05A (18.91.38) and install a new grooved idler pulley (**C2S 46862**), tensioner (**C2C 37057**), pulley bracket (**C2C 37056**), and drive belt (**C2C 37055**).