



This Service Information bulletin supersedes S.I. B11 04 03 **dated July 2005**.

NEW designates changes to this revision

SUBJECT

NEW **Noise Complaints From Mechanical Alternator Belt Tensioners**

MODEL

E39 5 Series and E36 Z3 with M54 engine through end of production

E60 5 Series and E83 X3 with the M54 engine through current production

E53 X5 through with the M54 engine through 05/04 production

E46 3 Series with the M54 engine through 5/04 production

NEW SITUATION

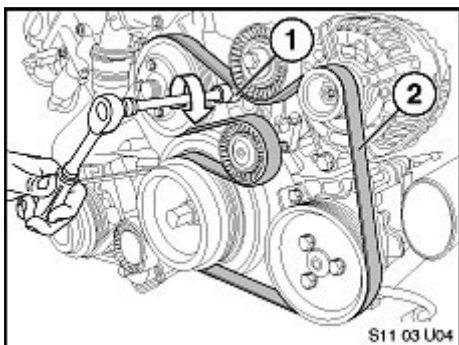
Customer complains of the rattling or screeching noises upon cold start of the engine. The noise will usually dissipate after the engine warms up. Cold weather aggravates the condition. Noise comes from the area of a mechanical alternator belt tensioner.

NEW CORRECTION

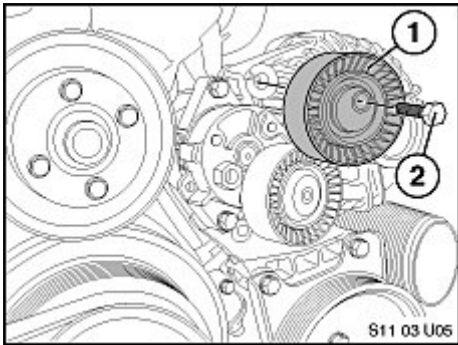
ON A CUSTOMER COMPLAINT BASIS ONLY, and only after the original mechanical belt tensioner in the vehicle has failed, replace the mechanical tensioner with the hydraulic style tensioner and install a new Ribbed V-Belt.

PROCEDURE

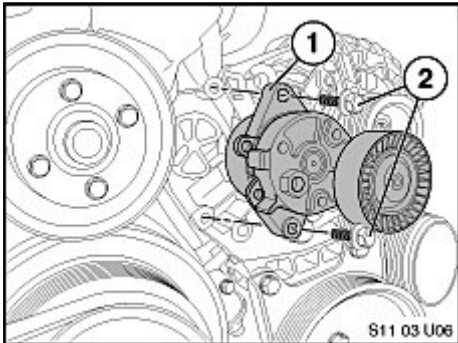
Perform preliminary alternator drive belt replacement steps as outlined in TIS repair instructions 11 28 010.



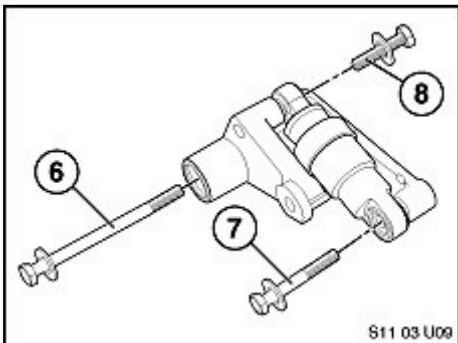
Relieve tension on the drive belt by rotating tensioner (1) in a clockwise direction. Remove alternator drive belt (2)



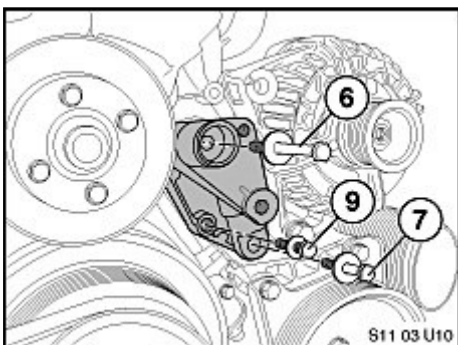
Remove bolt (2) and upper deflection pulley (1) and put aside.



Remove upper and lower mechanical belt tensioner bolts (2) and remove tensioner assembly (1)

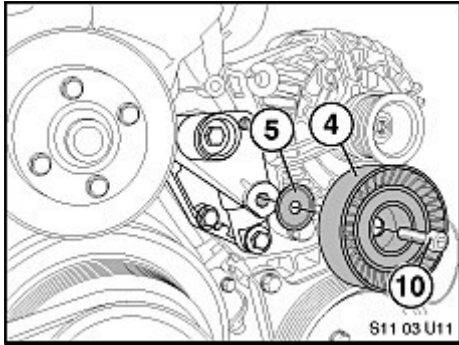


Assemble new tensioner components as shown. Install bolt 8 (P/N 07 11 9 913 111) in position shown. Insert bolt 6 (07 11 9 901 785) and 7 (07 11 9 912 652) in preparation for installation on engine.



Install the assembly on the engine. Note: Hydraulic tensioner is held in place by 3 bolts. Upper bolt 6 (07 11 9 901 785) lower bolt 7 (07 11 9 912 652) and left side bolt 9 (07 11 9 913 111)

Install tensioner pulley (4) taking care to position the mudguard (#5) correctly. The dished portion faces to



the front.

Reinstall upper deflection pulley and install new belt in reverse of removal instructions.

PARTS INFORMATION

Part Number	Description	Quantity
NEW 11 28 1 706 545	Ribbed V-Belt	1
11 28 1 726 774	Base Plate	1
11 28 1 726 773	Pitman Arm	1
11 28 1 748 131	Adjusting Pulley	1
07 11 9 920 150	Fillister Head Screw	1
11 28 1 717 188	Hydraulic Tensioner	1
07 11 9 913 111	Hex Bolt	2
07 11 9 912 652	Hex Bolt	1
07 11 9 901 785	Hex Bolt	1
11 28 1 440 369	Flat Washers	3
07 11 9 932 121	Wave Washers	1
11 28 1 727 159	Protection Cap – Pulley	1
12 31 1 713 143	Protection Cap – Pitman Arm	1
11 28 1 730 532	Mudguard	1

NEW WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty, Certified Pre-Owned BMW Limited Warranty, and the BMW Original Owner Protection Program (as applicable).

If there has been a prior replacement of the tensioner 24 months or less prior to the current repair (mechanical or hydraulic), and the vehicle is beyond the 4 year/50,000 mile New Vehicle Limited Warranty, but covered by either the BMW Certified Pre-Owned Limited Warranty or the BMW Original Owner Protection Program, please charge the current repair as a Parts Warranty (Type 2).

Defect Code **11 28 01 39 00**

11 28 01 39 UW

CPO Coverage in effect

11 28 01 39 ES

**BMW Original Owner Protection
Program**

in effect

Labor Operation: 11 28 020

Labor Allowance: Refer to appropriate KSD
CD

for labor allowance

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