

- **ALTERNATOR—REPETITIVE DRIVE BELT FAILURES—VEHICLES BUILT FROM 2/11/91 TO 1/28/92**
- **BATTERY—DISCHARGED—CHARGE INDICATOR LAMP LIT—VEHICLES BUILT FROM 2/11/91 TO 1/28/92**
- **ACCESSORY DRIVE BELT—1.6L—REPETITIVE FAILURES—VEHICLES BUILT FROM 2/11/91 TO 1/28/92**

**Article No.
92-6-10**

MERCURY: 1991-1992 CAPRI

ISSUE

The alternator drive belt may repeatedly fail causing a discharged battery and the charge indicator lamp to come on. This occurs because the alternator pulley has the wrong profile and is too wide.

ACTION

Replace the alternator drive belt and alternator pulley. Make sure that the new alternator drive belt is properly tensioned. Refer to the following procedure for service details.

1. Disconnect the battery negative terminal.
2. Disconnect the wire and connector from the alternator.
3. Loosen the power steering pump drive belt adjustment bolt and remove the drive belt.
4. Remove the alternator lower bolt, upper adjusting bolt and drive belt.

NOTE

IT MAY BE NECESSARY TO REMOVE OR LOOSEN THE RIGHT HAND FRONT ENGINE SPLASH SHIELD TO REMOVE THE ALTERNATOR LOWER MOUNTING BOLT.

5. Rotate the alternator downward so that the alternator pulley is accessible from beneath the vehicle.
6. Hold the alternator pulley firmly and remove the pulley securing nut and washer.

NOTE

THE ALTERNATOR PULLEY CAN BE HELD FIRMLY BY GRASPING IT TIGHT WITH THE ORIGINAL ALTERNATOR BELT.

7. Install a new larger diameter alternator pulley (F2JY-10344-A).
 - a. Install a new nut and washer (FOJY-10B304-A) or reuse the existing nut and washer.
 - b. Tighten the alternator pulley securing nut to 63-93 lb-ft (84-138 N•m).
 - c. Throw away the original alternator pulley and belt.
8. Attach the alternator by installing the mounting bolt and adjusting bolt.
 - a. Position a new alternator drive belt (FOJY-8620-A or Motorcraft JB-354) over the pulleys.
 - b. Move the alternator to obtain the correct belt tension.

CAUTION

DO NOT USE A MOTORCRAFT JB-354-L BELT. IT IS NOT A COGGED BELT AND WILL FAIL IN A SHORT PERIOD OF TIME. ALSO, DO NOT USE THE OLD ALTERNATOR BELT.

NOTE

APPLY MODERATE THUMB PRESSURE (ABOUT 22 LBS., 10 KG) MIDWAY BETWEEN THE ALTERNATOR DRIVE PULLEY AND THE WATER PUMP PULLEY, FIGURE 1. CHECK THE DEFLECTION PER THE FOLLOWING ACCESSORY DRIVE BELT DEFLECTION CHART

Article No. 92-6-10 Cont'd.

ACCESSORY DRIVE BELT DEFLECTION CHART	
ACCESSORY DRIVE BELT	NEW BELT DEFLECTION
Alternator Drive Belt	0.25-0.35" (6-9mm)

9. Tighten the alternator mounting bolt to 27-38 lb-ft (32-52 N•m) and the adjusting bolt to 14-19 lb-ft (19-26 N•m).
10. Install the power steering pump drive belt and adjust it to the correct tension.
11. Run the engine for 10 minutes with the air conditioner and headlamps on. Then recheck the belt tensions. Refer to the Accessory Drive Belt Deflection Chart in this article.

NOTE

IT IS IMPORTANT THAT THE BELT IS PROPERLY TENSIONED.

PART NUMBER	PART NAME
F2JY-10344-A	Alternator Pulley
FOJY-8620-A	Alternator Belt
FOJY-10B304-A	Nut And Washer Set

OTHER APPLICABLE ARTICLES: NONE
WARRANTY STATUS: Eligible Under Basic Warranty Coverage For 1991 And Bumper To Bumper For 1992

OPERATION	DESCRIPTION	TIME
920610A	Replace Alternator Belt And Alternator Pulley	0.6 Hr.

DEALER CODING

BASIC PART NO.
8620

OASIS CODES: 203100, 499000

CONDITION CODE
01

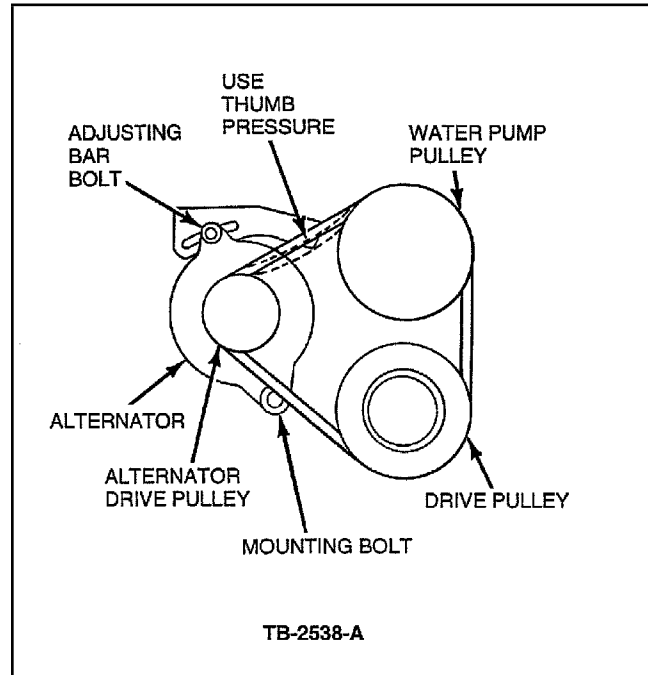


Figure 1 - Article 92-6-10