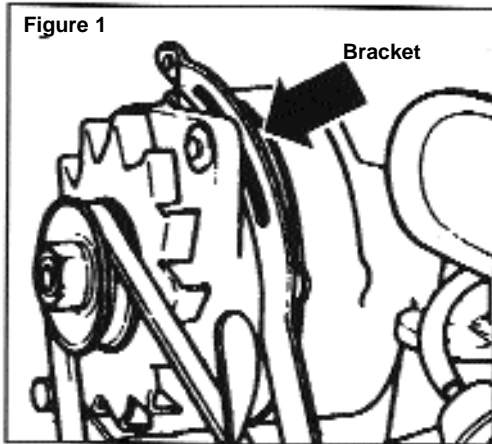


Tech Tip®

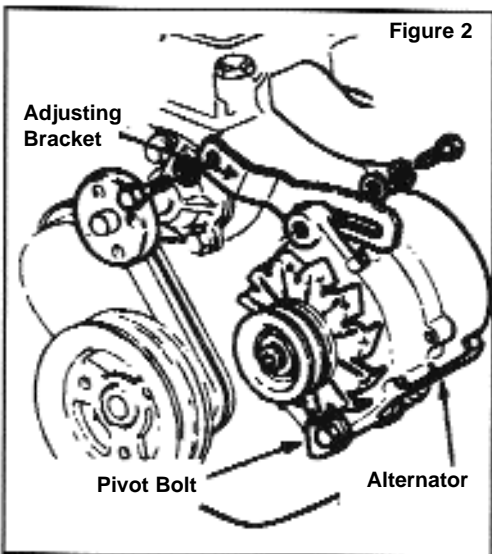
HOW TO INSTALL YOUR OWN ALTERNATOR

NEEDED:

•Alternator •Wrench Set •Wood Pry-bar



Position of Adjusting Bracket



Typical Alternator Mounting

1

The first step in replacing the alternator is to disconnect the negative battery cable from the battery, to eliminate accidental damage to the electrical system. Next, remove all wiring from the alternator itself, carefully noting positions of all wires for correct reattachment.

2

Loosen and remove the adjustment bolt from the slotted hole in the alternator bracket. Loosen the pivot bolt, but do not remove. The alternator should now be movable. Move the alternator inward to relieve tension on the belt, then remove the belt from the alternator pulley. Hold on to the alternator with one hand, and remove the pivot bolt that holds the alternator to the engine with your other hand (watch carefully for any spacers that may be used). Remove the alternator completely from the engine.

3

Compare the old and new alternators to be certain they are the same. Place the replacement alternator in position and install the pivot bolt and any spacers that may be used. Do not tighten the pivot bolt at this time. Loosely install the adjustment bolt, then slip the belt around the pulleys and move the alternator outward to tighten the fan belt. To put tension on the belt, use a soft piece of wood as a lever and force the alternator tightly into the belt. Push against the center ring of the alternator only, as damage could result if positioned elsewhere. In some applications, using hand pressure may be the best method for tightening. Whatever method is used, be careful to avoid damage to any other engine component. (Note: It is nearly impossible to over-tension a belt using this procedure. We suggest that the belt be tensioned so that there is no slippage of the belt when the pulley is turned by hand. All parts driven with the alternator belt should also turn). Tighten the adjusting bolt while holding the alternator in position, then tighten the pivot bolt. A second person helping is useful at this point.

4

Reconnect the alternator wiring (making sure that all connections are correct) and connect the negative battery cable. Start the engine and check to see that the alternator and belts are turning properly. Stop the engine and re-check all bolts for tightness. If the fan belt should squeal when accelerating the engine, it is too loose - retighten it using the procedure outlined in point 3.