



INSTALLATION:

- 1) Turn off battery master switch and insure that there is no power to the starter.
- 2) Slip the included rubber boot over the large battery terminal on the starter solenoid prior to installing this kit to avoid accidentally short circuiting to the terminal during installation.
- 3) Remove the original alternator adjusting arm.
- 4) Install the new alternator pivot bolt, bronze bushings, flat washers, and Nylok nut as per the attached sketch. Tighten the Nylok nut but allow enough freedom for the alternator to pivot freely on the pivot bolt. The bronze bushings reduce the oversized holes in the O.E.M. lifting eye bracket to maintain a more consistent belt alignment.

NOTE: Be sure that the grounding strap is left in place as the upper and lower locking nuts are tightened during the installation process.

- 5) Attach the new tensioner upper bracket bolt to the alternator adjusting lug, with the bolt of the tensioner passing through the curved arm with nylon washers on either side of the arm. Do not install the 5/16" locking nut at this time.
- 6) Loosely install the lower bracket in place near the lower end of the slot in the new adjustment arm. The star washer is installed between the lower bracket and the adjustment arm.
- 7) Tighten the upper bracket to the alternator adjusting lug but leave enough play in the bolt for the alternator to slide freely on the adjustment arm. Lock the upper bracket bolt in this position using the 5/16" hex nut provided in kit, making sure to place the grounding strap terminal eye beneath locking nut.

ADJUSTMENT PROCEDURE:

- 1) While pulling the alternator up by hand to remove all belt slack (any slack in the belt prior to adjustment will adversely affect the tension later), tighten the hex nut on the lower bracket wrench tight. The lower bracket must be oriented perpendicular to the jackscrew extending through the center of the compression spring so that the bracket will float through the lower bracket as easily as possible.
- 2) Tighten the adjustment nut on the upper end of the jackscrew under the upper bracket three full turns to place proper tension on belt. If belt is ever seen to slip, tighten adjusting nut one more full turn or until slipping stops.

BELT REPLACEMENT:

- 1) Loosen adjustment nut to its upper extreme.
- 2) Loosen the lower bracket bolt to allow the alternator to slide down to remove all tension from the belt.
- 3) Replace belt.
- 4) Perform the adjustment procedure above.



