



OEM Installation Instructions

CAUTION

This symbol is used to indicate presence of hazards that can cause minor property damage.

NOTICE

This symbol indicates special instructions on installation, operation or maintenance that are important but not related to personal injury hazards.

1. Install alternator as shown in Figure 1:

CAUTION

Slip bushing located in rear mounting foot must be securely tightened against alternator mounting bracket on engine. Failure to do so can result in broken mounting feet or broken upper mounting bracket.

NOTICE

On some applications, when installing a C714 in place of a C712 or similar unit, the installation may require some modifications of the existing mounting to accommodate the new alternator.

- a. Use hardened washers between aluminum surfaces and bolt heads and nuts.
- b. Units are shipped with pulley, Belleville washer, and nut installed and torqued to proper value.

- 2. A2-155 regulator is furnished on OEM units. Regulator is flat-temperature compensated and is factory-set at lowest setting to accommodate maintenance (8D) batteries. For other batteries, change voltage selector switch position on bottom of regulator. See Table 1.

Table 1 – Voltage Select Switch Position		
4 Voltage Setpoints		Battery Type
Position 1	14.0 V	Maintenance (D Category)
Position 2	14.4 V	Maintenance-Free (Group 31)*
Position 3	14.8 V	Maintenance-Free (Group 31)*
Position 4	15.5 V	Battery Isolator setpoint

*Group 31 batteries: If boiling or excessive gassing occurs with higher voltage setpoint (position 3), change to lower voltage setpoint (position 2).

- 3. If removed in step 2, re-install regulator on anti-drive end housing. Torque mounting screws to 8.5 Nm/75 lb. in.
- 4. A2-155 regulator connections:
 - Make sure alternator-to-regulator harness is securely plugged into regulator.
 - Connect IGN terminal to ignition source through existing switch. Torque M5 terminal nut on regulator to 4.5 Nm/40 lb. in.
 - Connect P terminal to tachometer or relay. P terminal taps AC voltage, typically half the charge voltage. Torque M6 terminal nut on regulator to 4.5 Nm/40 lb. in.
- 5. All cabling, wiring or conduit must be supported within 305 mm/12 in. of termination on alternator.
- 6. Choose wire gauge capable of handling maximum alternator output with no more than 0.2 V drop on each leg from alternator to battery.
- 7. Follow vehicle manufacturer's recommendations for belt tension.

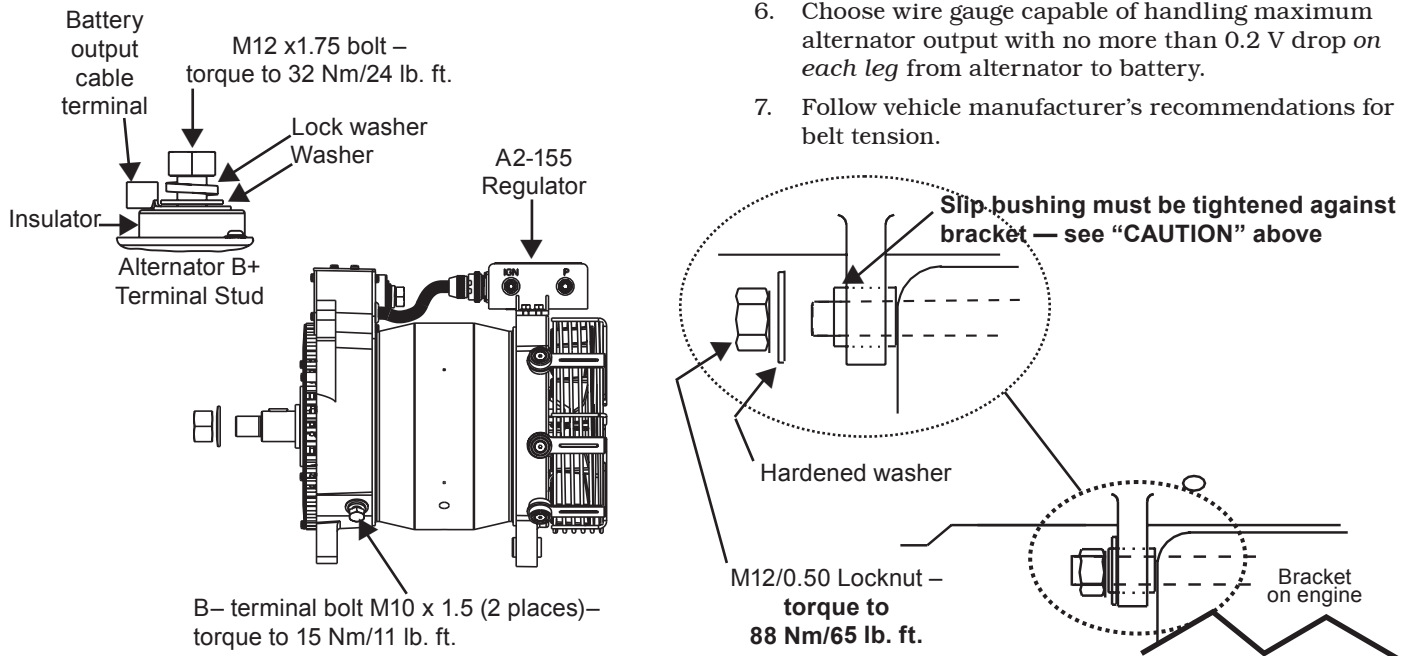


Figure 1 - C714 Alternator Installation Details