



Perform the following steps to ensure proper installation of the N1026 alternator:

NOTICE

Alternators are shipped with a washer and nut installed on shaft.

1. Remove nut and washer from shaft.
2. Make sure Woodruff key is securely wedged in slot in shaft.
3. Slide fan and pulley (available separately) onto alternator shaft until firmly seated. Secure with hardened washer and nut. Torque nut to 95 Nm/70 lb ft. See Figure 1.

CAUTION

Do not hammer pulley when installing it on shaft. Damage to alternator may occur.

4. Make sure voltage switch on anti-drive end of regulator is appropriate for type of battery used:
 - a. Remove 2 screws and cap from rear of alternator to expose voltage selection switch. See Figure 2.
 - b. If necessary, change switch to voltage setpoint appropriate for type of battery used. Factory setting is 1. See Table 1 for set point options.
 - c. Reinstall cap and screws.
5. Attach vehicle belt-adjusting bracket to alternator, using bolt and nut included in parts package. Apply Loctite or equivalent to attaching hardware and torque to 23 Nm/17 lb ft.
6. Install alternator on vehicle mounting bracket, using new SAE Grade 5 or better bolts and self-locking nuts. Hand tighten mounting hardware.
7. Install belt on pulley. If belt only drives alternator, tension belt to 40 - 50 lbs. New belts should be tensioned to 75 lbs. If belt also drives other accessories, consult engine manufacturer's belt tensioning recommendations.

CAUTION

Excessive belt tension may cause premature bearing failure.

8. Apply Loctite or equivalent to vehicle mounting bracket hardware and torque to 88 Nm/70 lb ft.

CAUTION

All cables and wires must be supported within 300 mm (12 in.) of terminals to prevent rotation, loosening, and damage to terminals.

9. Connect battery B+ (positive) lead to B+ terminal on alternator. Secure with washer and nut included in parts package. Torque to 9 Nm/75 lb in. See Figure 2.
10. Connect battery ground lead to GND terminal on alternator. Secure with washer and nut included in parts package. Torque nut to 9 Nm/75 lb in. See Figure 2.
11. If required for vehicle tachometer, remove and discard white cap on R (AC output) terminal and connect tachometer wire lead to terminal. Torque to 2 Nm/18 lb in. See Figure 2.

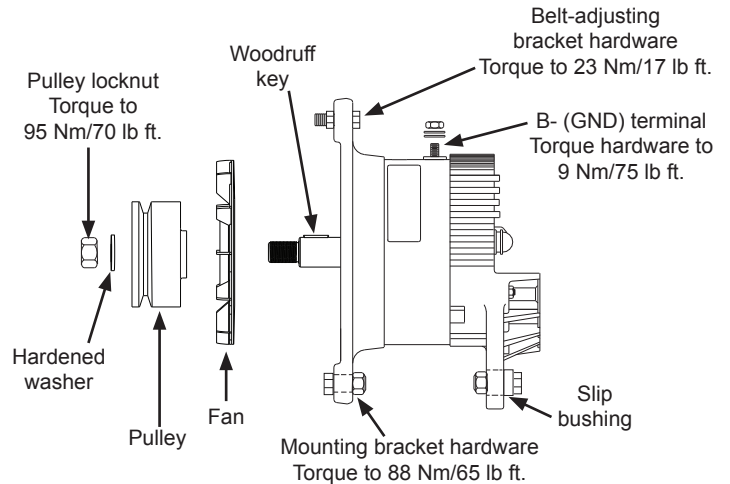


Figure 1: N1026 Alternator Assembly and Mounting

Table 1: Voltage Switch Settings

Switch Position	Voltage Setpoint	Battery Type
1	27.6 V	Maintenance (D)
2	28.0 V	Maintenance-free (G31)
3	28.5V	AGM
4	29.0 V	

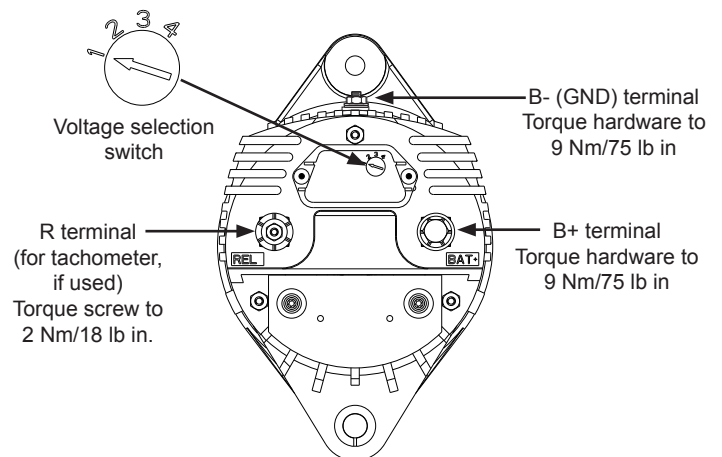


Figure 2: N1026 Alternator Wiring Connections