When replacing N1509-1 and N1509-2 alternators (see other side when replacing N1506-1 alternators):

1. Remove boot covering AC terminal on regulator.
2. Connect wiring as shown in Figures 1a, 1b, and 1c.
When replacing N1506-1 alternators (see other side when replacing N1509-1/N1509-2 alternators):

1. Boot on AC terminal must remain affixed to regulator. The AC terminal will not be used when replacing an N1506-1 alternator.
2. Install plastic cable ties as required to terminal lug TL1001 and tie wire away from alternator.
3. Connect remaining cables as shown in Figures 2a, 2b, and 2c.

[Diagram of wiring connections]

**Figure 2a – Wiring Connections**

- Energize terminal connection to vehicle energize circuit—torque to 3.4 Nm/30 lb.in.
- 28 V B+ terminal connection “RED” to 28 V battery positive terminal
- 14 V B+ terminal connection “YELLOW” to 14 V battery positive terminal
- 28 V B– terminal connection to 28 V battery negative terminal
- 28 V B– terminal connection to chassis ground
- Boot must remain affixed to regulator

[Diagram of ground terminal connections]

**Figure 2b – Ground Terminal Connections**

- Ground Terminal Bolt .3125-18-
torque to 9 Nm/80 lb. in.
- Terminal on vehicle ground lead
- Lockwasher
- Washer

[Diagram of positive terminal connections]

**Figure 2c – Positive Terminal Connections**

- +28 V/14 V Positive Terminal on alternator
- Nut, .25-20; torque to 7.3 Nm / 65 lb.in.
- Terminal and Vehicle “B+” lead
- Washer