



Electromagnetic compatibility (EMC)/electromagnetic interference (EMI) low and high frequencies can interfere with the operation of electrical/electronic systems, especially communication equipment.

If diagnostic tests performed at system and component level do not identify the source, installing an EMC filter may help to reduce or eliminate EMC condition.

**NOTICE**

EMC filter can be installed at power supply of the affected component or at the B+ terminal on the alternator.

**To install filter assembly:**

1. Disconnect battery wiring:
  - a. Disconnect vehicle battery master switch and vehicle battery ground cable(s).
  - b. Remove cable from alternator B+ terminal or affected component.
2. Set unit in mounting location on vehicle surface already grounded in a location close to alternator or affected component. Torque hardware to 8.5 Nm/75 lb. in.

3. Connect red lead provided with kit.

**NOTICE**

The length of the cable supplied with the filter has been designed to reduce most EMC conditions.

In severe EMC conditions, shortening the cable may optimize the filtering.

- a. Larger terminal end to alternator B+ terminal or component power terminal as shown in stacking order. Torque terminal nut to torque value specified by alternator model or component manufacturer.
  - b. Smaller terminal end to terminal on filter. Torque to 3.4 Nm/30 lb. in.
4. Reconnect vehicle battery master switch and vehicle battery ground(s).
  5. Operate engine and check alternator output or component operation.

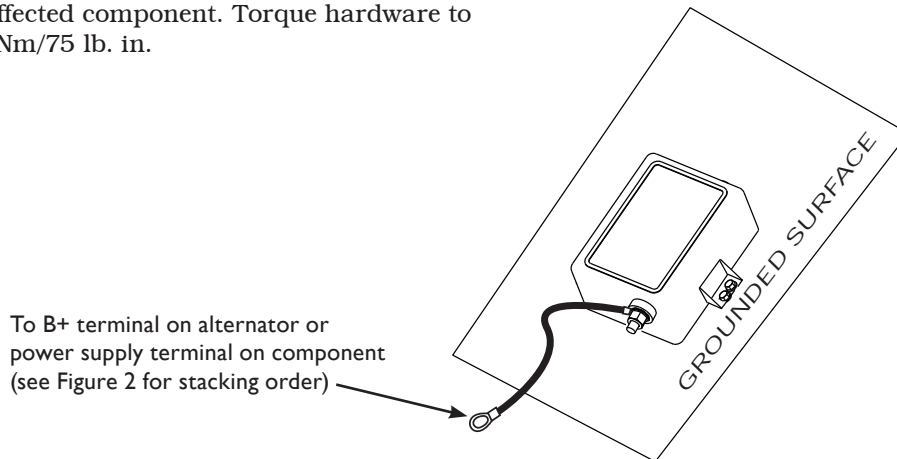


Figure 1 – Installing A8-219 EMC Filter

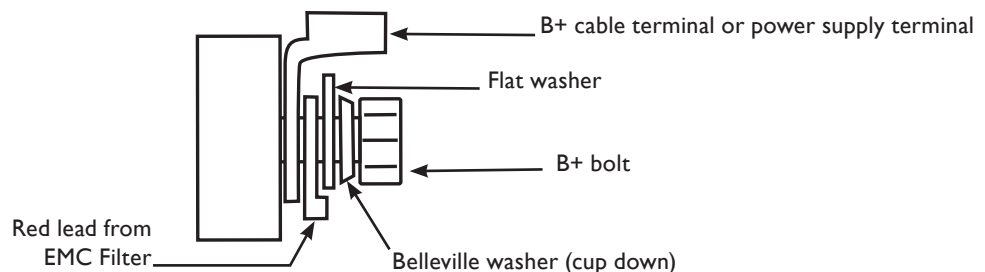


Figure 2 – Top View of Alternator B+ Terminal or Component Power Terminal Stacking Order with EMC Filter Lead

If you have questions about your alternator or any of these instructions, or if you need to locate a Factory Authorized Service Dealer, please contact us at:

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