

**Source:** Prestolite Electric Leece Neville Heavy Duty Systems  
**Bulletin No:** TWB-0105 **Date:** March 12, 2024  
**Models:** 8MR for Thermoking applications with F terminal  
**Subject:** Wiring Diagram



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**Wiring diagram for 12V 8MR alternator**

8MR2130D 8MR2140F 8MR2197T 8MR2195TA 8MR2156U 8MR2185L 8MR2151L  
 8MR2150L 8MR2180L 8MR2215D 8MR2341 8MR2343 8MR2175F

The alternator is an earth return / grounded machine.

The alternator is a D+ (lamp) excited machine. A lamp must be connected.

Lamp circuit must be routed via ignition switch to prevent battery drain when the system is inactive.

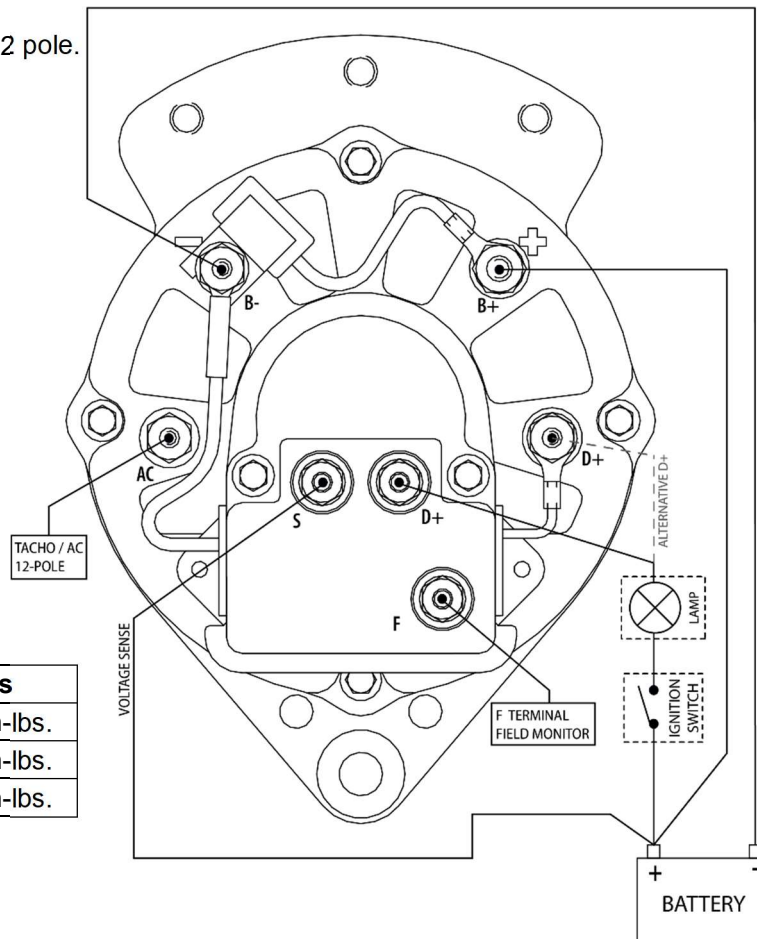
Lamp details: 2W max.

If lamp is not available substitute with 50Ω 5W resistor.

Do not short-circuit the D+ terminal.

Tacho, AC, R connection is optional. 12 pole.

F terminal connection is optional.



Terminal tightening torque values	
B+ (1/4)	50-60 in-lbs.
B- (#10)	35-45 in-lbs.
AC, S, IGN, F, D+ (#10)	35-45 in-lbs.



**Important:** The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers', and you should not assume that this information applies to your equipment. If you have any questions regarding this information please visit our website at [www.prestolite.com](http://www.prestolite.com), or contact our technical service department at:

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