



Application Information

Ground Shield Installation Precautions

ENGINES WITH POSITIVE GROUND SYSTEMS

With positive ground systems the shield lead on the two-and-three-lead shielded cables must not be allowed to touch the engine frame or any part of the power system which is at the same potential as the engine frame. The shield lead must be tied into the system as shown on the wiring diagram for your particular installation. **Allowing the shield lead to touch any of these exposed parts will cause a short across the D-C supply and could damage the control.**

ENGINES WITH NEGATIVE GROUND SYSTEMS

With negative ground systems the shield of the two-and-three-lead shielded cables must not touch the engine frame. The shield lead must be tied into the system as shown on the wiring diagram for your particular installation. Letting the shield touch the engine frame or associated parts will not damage the control, but it may generate undesirable electrical signals that may cause unstable engine performance. Such signals may be generated because the metal surface touched by the shield may be at a slightly different potential than ground, even though the surface may be bolted or riveted to the member on which the ground is connected.

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Note

Barber-Colman believes that all information provided herein is correct and reliable and reserves the right to update at any time. Barber-Colman does not assume any responsibility for its use unless expressly undertaken.

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