

6-Wire Coil Commander®

Plugs into existing externally switched solenoid installations without wiring modification when used with optional connectors. Works with installations connected to "S" terminal on starter.



Features:

- Prevents solenoid burnout due to engine over crank or misadjustment of linkage by limiting the pull coil ON time
- Potted and sealed solid-state electronics
- Separate mounting bracket not required
- Stand alone plug-in or factory assembled to solenoid
- Patented

Order Information:

Stand Alone Modules

| ORDER NO. | Rated Voltage | Max. Current at 68°F (20°C) | Terminations To System Harness | Terminations To Solenoid |
|-----------|---------------|-----------------------------|--|---|
| SA-4751 | 9-36 VDC | 86 A | Packard Weather Pack Housing No. 12020827 | Packard Weather Pack Housing No. 12020829 |
| SA-4759 | 9-36 VDC | 86 A | Leads | Leads |
| SA-4945* | 9-36 VDC | 86 A | Yazaki Housing-Male No. 7122-2237-00 | Yazaki Housing-Female No. 7123-2137 |
| SA-5028 | 9-36 VDC | 86 A | Packard Metri-Pack 280 Housing No. 1530003 | Packard Metri-Pack 280 Housing No. 12040977 |
| SA-5160 | 9-36 VDC | 86 A | Yazaki Housing-Male No. 7122-2237-00 | Yazaki Housing-Female No. 7123-2137 |

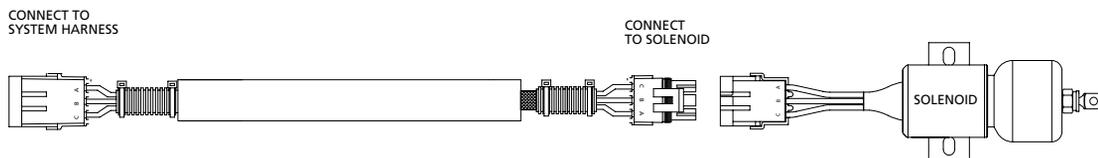
*For use with Kubota 1503ES solenoids

Built-in Modules

Contact Woodward for factory assembled units

Minimum quantities required for non-standard configurations. Contact factory for details.

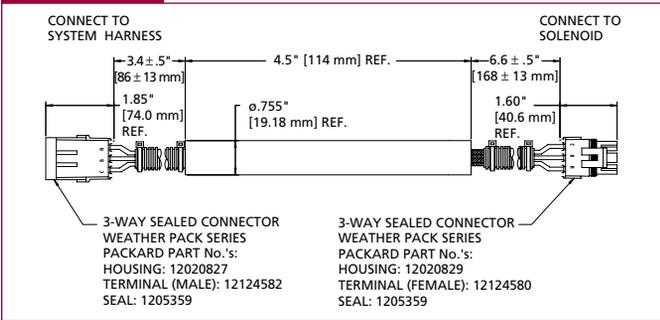
TERMINATION CONNECTIONS



E.E.C. Directive Compliance: All parts supplied by Woodward are classified as components, and therefore are not "CE" marked. Please contact factory direct for details on specific product compliance with 89/336/EEC and 89/392/EEC directives.

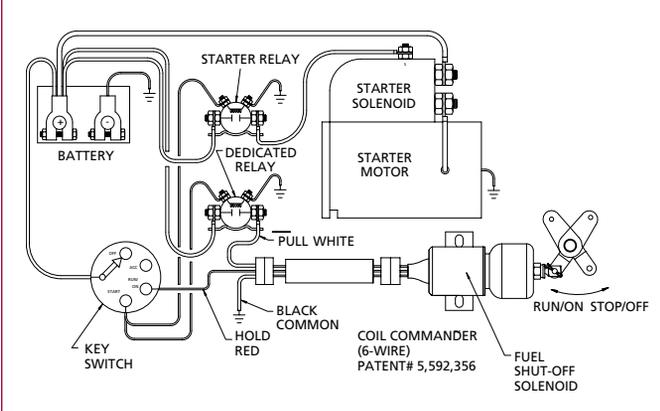
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DIMENSIONS



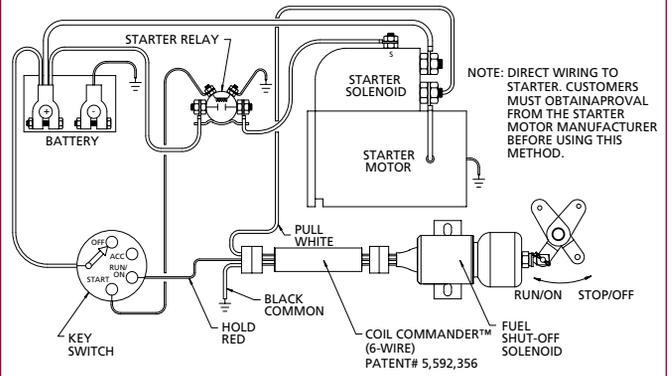
ELECTRIC SHUTOFF

Electric shutoff with dedicated relay for fuel solenoid



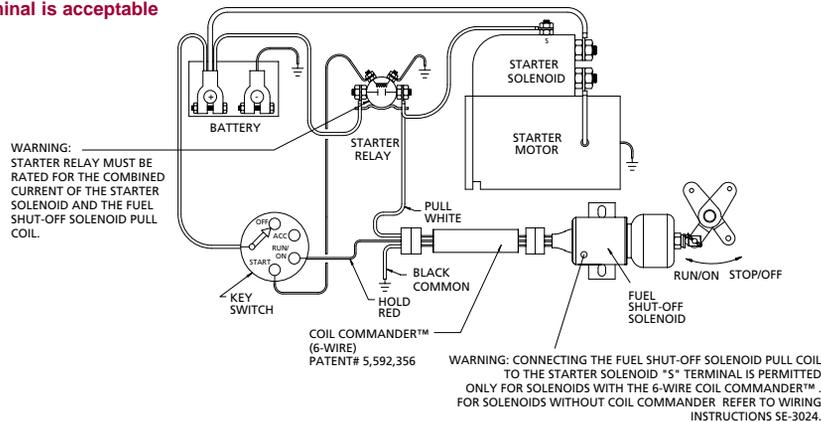
THROTTLE/CHOKE SOLENOID

Throttle/choke solenoid shown with Coil Commander wired to starter. This method requires approval from the starter motor manufacturer.



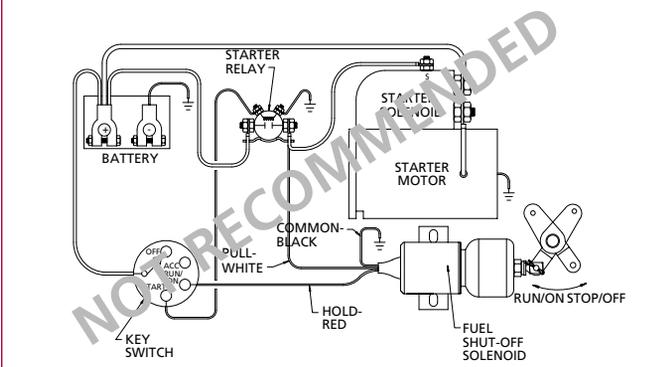
RECOMMENDED CONNECTION

Connection of solenoid to "S" terminal is acceptable with 6-wire Coil Commander.



NON-RECOMMENDED CONNECTION

Connection of solenoid to "S" terminal is not recommended.



Specifications are for reference only.

Note: Coil Commanders will reduce the available pull coil voltage by approximately ½ to 1 volt.

Specifications:

| | | |
|--|--------------------------------------|--------------|
| Temperature | -40°F to +250°F (-40°C to +121°C) | |
| Vibration | 15 G's @ 15-2000 Hz | |
| Rated Voltage | 12 Volt | 24 Volt |
| | Minimum Input Voltage | 9 VDC 18 VDC |
| | @ 68°F (20°C) | |
| Rated Jump Start Voltage (1 cycle/min for 10 min) | 24 VDC | 36 VDC |
| Reverse Polarity Protection | None | |
| Weight | Approx. 4 oz. (113 g) | |

e-mail: info_niles@woodward.com