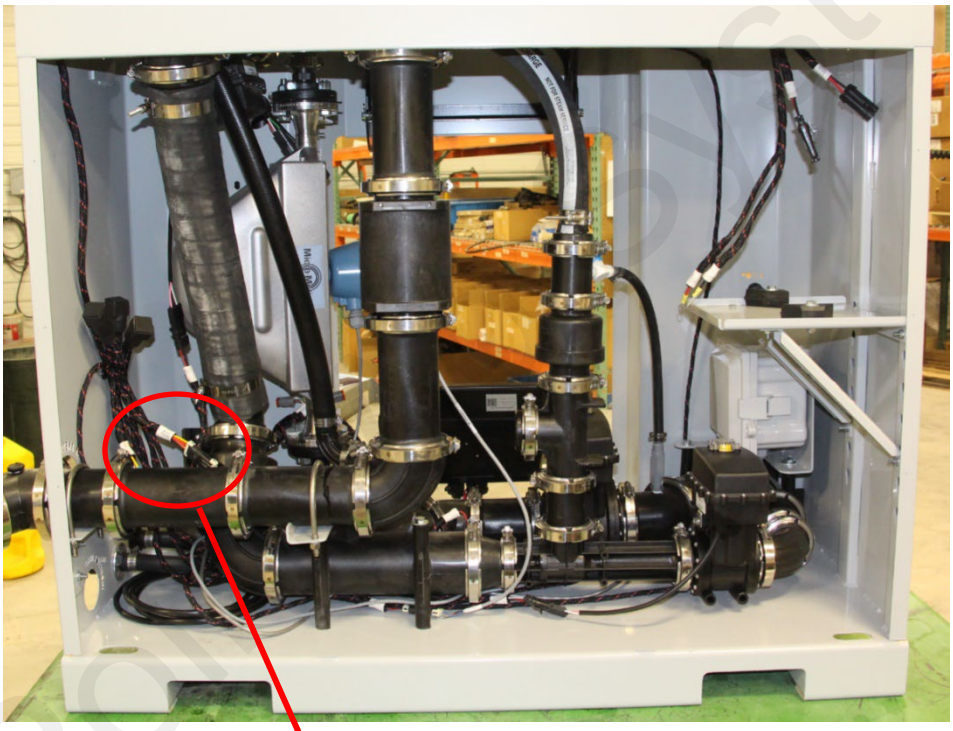
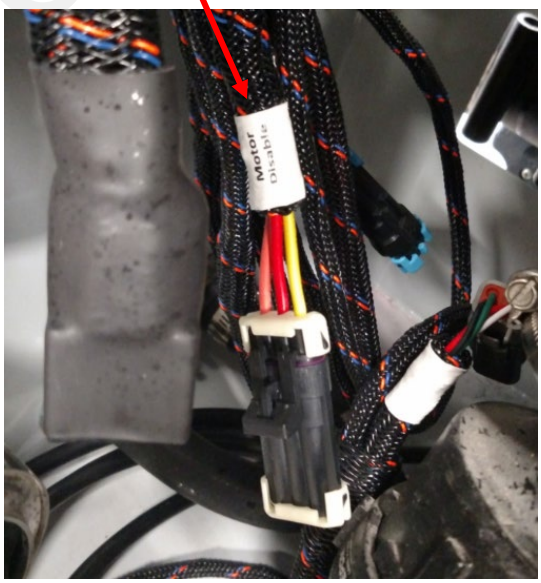
QuickDraw Pump Stop
Quick Help
396-2944Y1

The QuickDraw can kill any gas engine with the installation of a pump stop harness. To install this harness you will need to figure out which of two harnesses to install on your gas engine. Page 2 of this document has instructions for harness choice and installation. Step 2 is plugging the harness into the mating “Motor Disable” connector on the QuickDraw wiring harness.

The Pump Stop Harness (208-05-2802Y1 or 208-05-2633Y1) plugs into the Quick Draw connector labeled “Motor Disable”. It can be found on the side of the QuickDraw cabinet opposite the battery shelf.

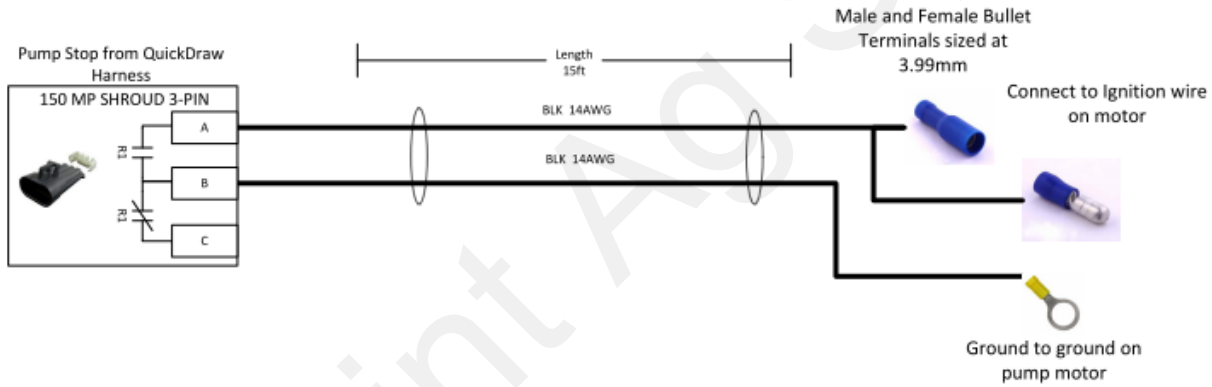




This document will help you determine which pump stop cable is the correct one to use for your situation. The package contains two cables. The standard cable looks like the cable in Figure 1, and the grounded coil cable looks like the one in Figure 2.

Figure 1: 208-05-2802Y1 Standard Pump Stop Harness

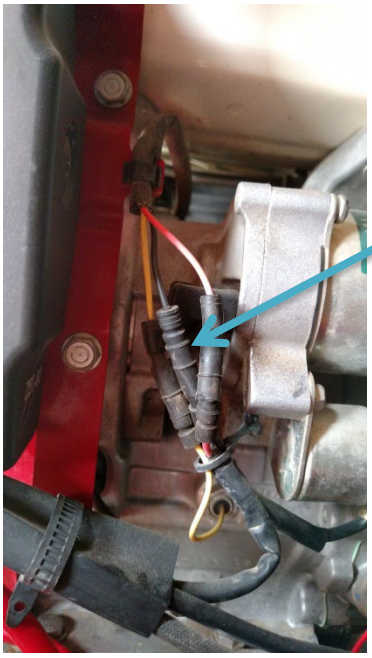
Figure 2: 208-05-2633Y1 Pump Stop Harness (Grounded Coil)



The standard harness is used to break a connection on the motor to make the motor stop. The grounded coil harness is used when the only way to stop the engine is to ground out the ignition coil to stop the sparkplug from firing. On Honda GX370 and GX390 electric start engines, use the following procedure to determine which cable to use.

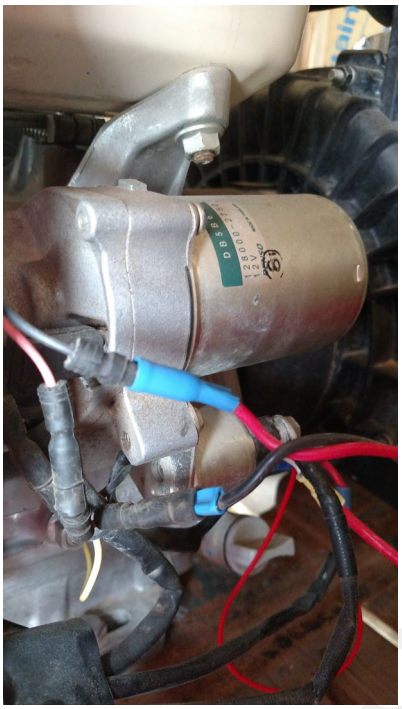
Honda Engines

1. Locate the black wire bullet connectors close to the electric start key switch. Refer to Figure 3 and Figure 4 for schematics.



2. Start the Honda Engine.
3. Pull the Black bullet connector apart.

a. If the motor stops, use the 208-05-2802Y1 Standard Pump Stop Harness.
    i. Connect the bullet connectors in between the two black bullet connectors you just pulled apart.



b. If the motor keeps running, then use the 208-05-2633Y1 Pump Stop Harness (Grounded Coil)
    i. Connect the bullet connectors in between the two black bullet connectors you just pulled apart.
    ii. Connect the ring terminal to Ground.

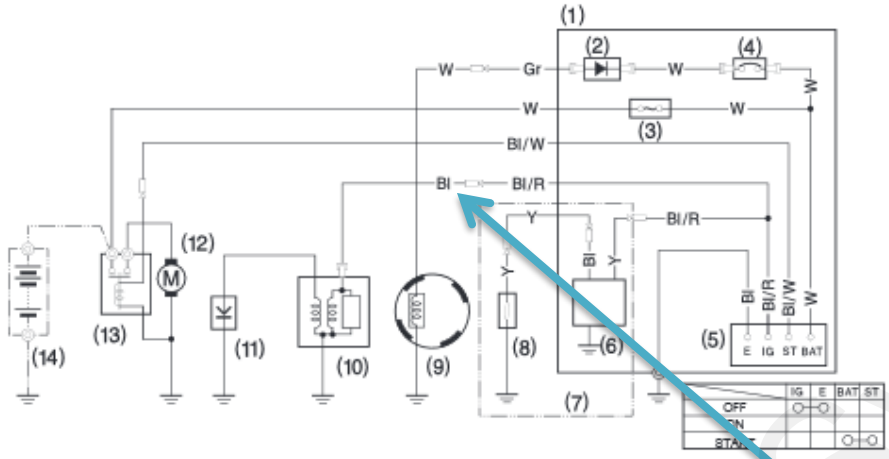
NON Honda Engines

If you have an engine other than a Honda, then the same process can be used to determine which harness to use. If a wire is found that when disconnected the engine shuts down, then use the standard harness. If nothing seems to shut it down, then the ignition wire will have to be grounded. Finding the ignition wire may be the hard part. We may be able to help if you can provide the exact model number and manufacturer for the engine you are using.

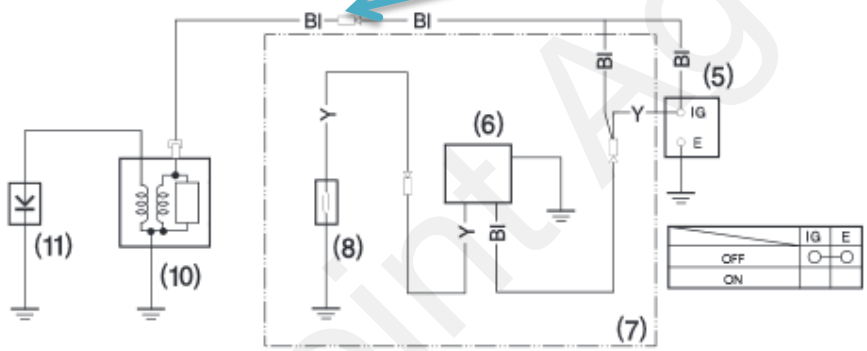
Figure 3: Honda Engine, Ignition Coil Grounded to Stop Motor

Wiring Diagrams

With Oil Alert® and Electric Starter



With Oil Alert® and Without Electric Starter



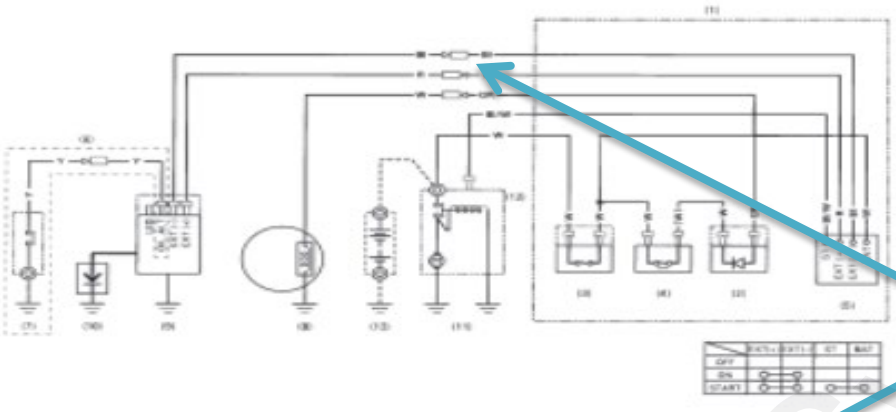
(1) CONTROL BOX
(2) RECTIFIER
(3) FUSE
(4) CIRCUIT BREAKER
(5) ENGINE SWITCH
(6) OIL ALERT UNIT
(7) Type with Oil Alert unit
(8) OIL LEVEL SWITCH
(9) CHARGING COIL
(10) IGNITION COIL
(11) SPARK PLUG
(12) STARTER MOTOR
(13) STARTER SOLENOID
(14) BATTERY (12 V)

Bl	Black	Br	Brown
Y	Yellow	O	Orange
Bu	Blue	Lb	Light blue
G	Green	Lg	Light green
R	Red	P	Pink
W	White	Gr	Gray

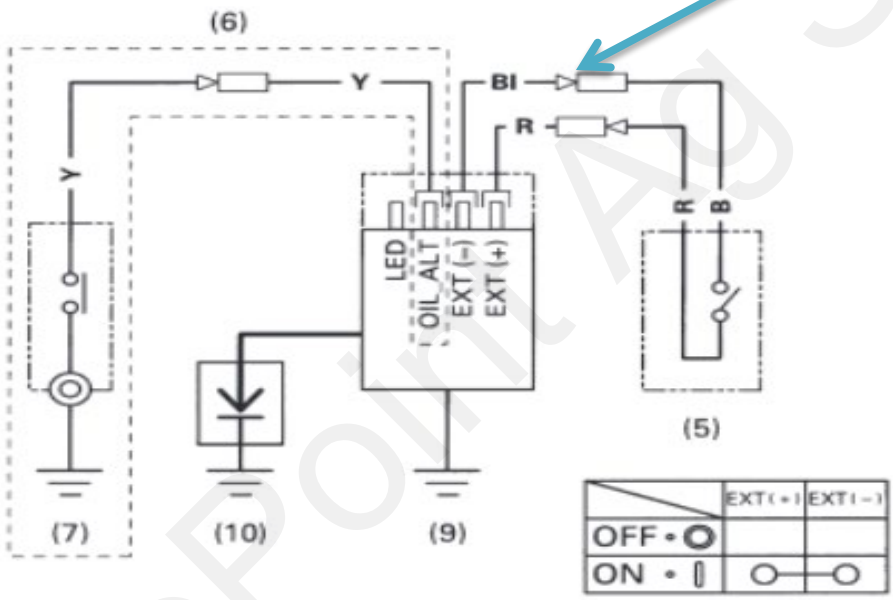
Figure 4: Honda Engine, Disconnect of Black Wire Stops Motor

Wiring Diagrams

With Oil Alert and Electric Starter



With Oil Alert and Without Electric Starter



(1) CONTROL BOX
(2) RECTIFIER
(3) FUSE
(4) CIRCUIT PROTECTOR
(5) ENGINE SWITCH
(6) Type with Oil Alert unit
(7) OIL LEVEL SWITCH
(8) CHARGING COIL
(9) IGNITION COIL
(10) SPARK PLUG
(11) STARTER MOTOR
(12) STARTER SOLENOID
(13) BATTERY (12 V)

Bl	Black	Br	Brown
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