

POWER DISTRIBUTION AND GROUNDS

GENERAL

Power distribution is shown in red on the color wiring diagram. Refer to *KNOWLEDGE CENTER*.

OVERVIEW

The battery is the primary source of power for the electrical system, it is recharged by the magneto.

Some components are permanently connected to the battery (unswitched) while some require the main relay to be closed (switched). Refer to the color *WIRING DIAGRAM* on *KNOWLEDGE CENTER*.

The ECM energizes and closes the main relay.

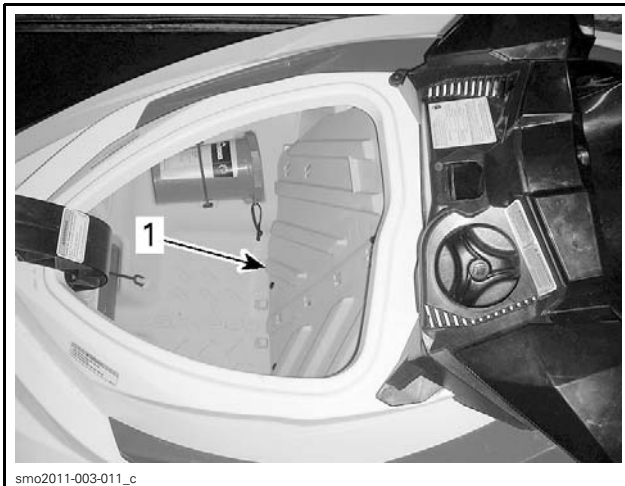
At high RPM if the magneto power is greater than the loads, the rectifier/regulator will regulate power as necessary.

The system uses an external voltage regulator/rectifier.

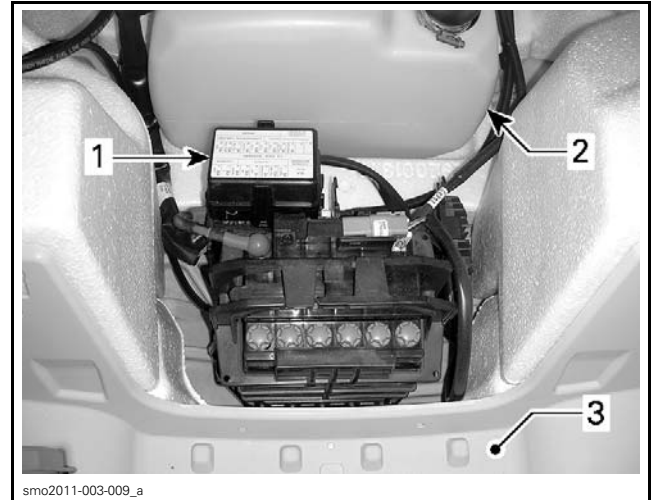
FUSE BOX

Fuse Box Location (Models Without Suspension)

To access the fuse box, open the front storage cover and remove the access panel.



FUSE BOX ACCESS
1. Access panel

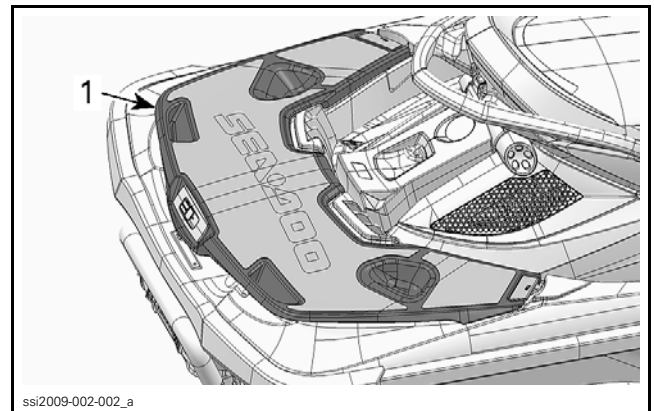


TYPICAL

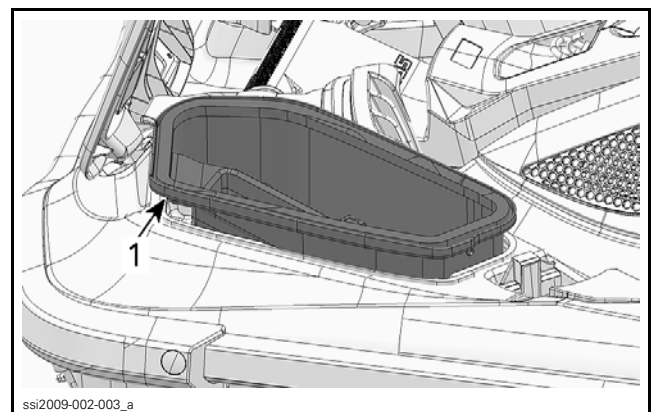
1. Fuse box
2. Fuel tank
3. Front storage compartment (access panel removed)

Fuse Box Location (Models With Suspension)

To access the fuse box, open the boarding platform and remove the RH storage bin.



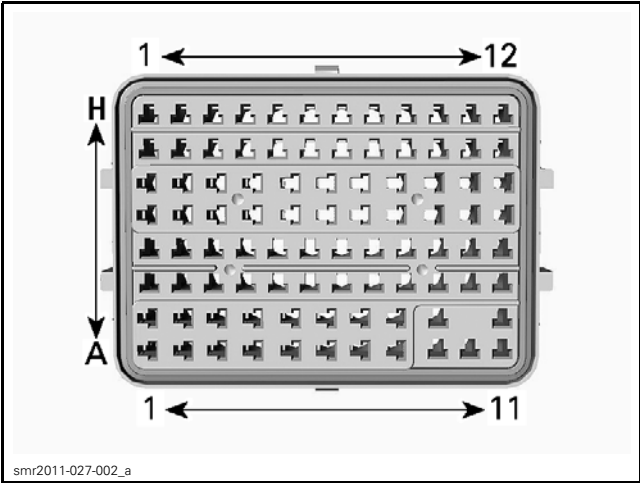
1. Boarding platform



1. Storage bin

Subsection XX (POWER DISTRIBUTION AND GROUNDS)

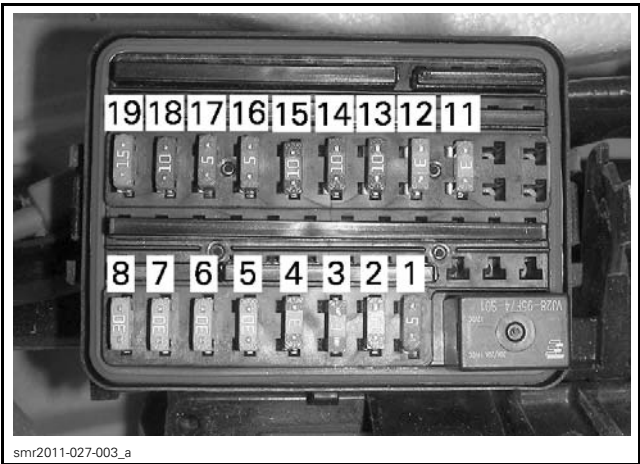
Fuse Identification



FUSE BOX PIN IDENTIFICATION

NOTE: This fuse box has rows of 11 or 12 cavities. See table below for details.

NUMBER OF CAVITIES BY ROW	
ROW	NUMBER OF CAVITIES
A-B	11
C-D	12
E-F	11
G-H	12



FUSE IDENTIFICATION

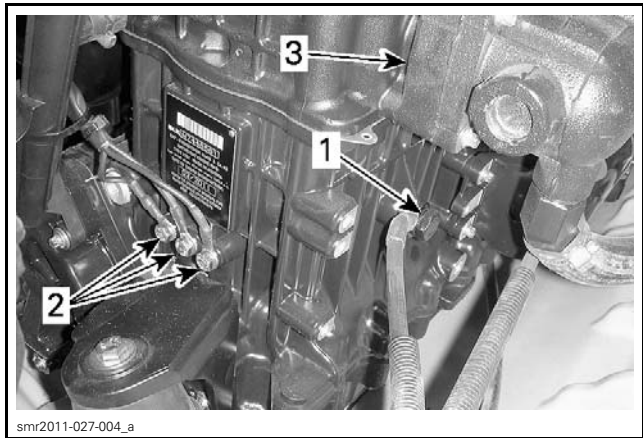
RELAY PIN IDENTIFICATION		
FUNCTION	FUSE BOX PIN	CONDITION
12-volt input at winding	B9	Direct battery power from fuse F8
Control	A11	Grounded by ECM B pin H2 once START/STOP is depressed
12-volt input at contacts	A9	Direct battery power from fuse F8
12-volt output	B11	-

GROUNDINGS

Ground Location

All the ground terminals are located on the front of engine.

There is no splice in the ground wiring, the inter-connections are made through a bus bar in the fuse box.



FRONT OF ENGINE

- 1. Battery ground
- 2. Electrical components grounds
- 3. Exhaust manifold

RELAY

Relay Pin Identification

The relay is in the fuse box. Refer to *FUSE BOX LOCATION*.