

RangerWare



**2009 RANGERWARE
WPS-09-500-2 & WPS-09-501-2
INSTALLATION INSTRUCTIONS**

ORDER OF INSTALLATION FOR A 2009
RANGER WPS (Weather Protection System) IS
AS FOLLOWS:

*Note: To assure proper order, read all
Accessory Installation Instructions before
beginning.*

1. Heater
2. Windshield Wiper (Installed in the
Windshield)
3. Windshield
4. Standard (WPS-500-2) Electrical Panel and
Wire Harnesses
5. Rear Panel and Roof

**All photos are in the back of the instruction book so
that they can be easily removed and laid out on your
work area for easy reference.**

Hardware Kit

<u>Description</u>	<u>Quantity</u>
Bolt 1/4"x2"	6
Bolt 1/4"x1"	10
Bolt 3/8"x1 1/4"	4
Flat Washer Zinc 1/4"	16
Bonded Washer 1/4"	16
Nylock Nut 1/4"	16
Flange Nut 1/4"	6
Flange Nut 3/8"	4
Flat Washer Black Nylon 1/4"	6
Acorn Nut Black Nylon 1/4"	6
Steel Tabs	2
Vinyl Clamps Large	4

500 (Standard) Only

Wire Ties	20
08-1134 Harness (Power)	1
09-1132 Harness (Rear)	1
00-1131 Harness (Cab)	1
Electrical Panel	1
Light Pod with Dome Light and Switch	1

Tools Required

7/16" Wrench and Socket
9/16" Wrench and Socket
5/32" Allen Wrench or "T" Handle
7/32" Allen Wrench or "T" Handle
Wire Cutters

If installing a WPS-09-501-2 skip to page 6

WPS-500 Wiring Instructions

A. ELECTRICAL PANEL

1. Remove the seat bottom.
2. On the passenger's side of center, install the electrical panel over the frame rail with the relays and fuse block facing the fuel tank.
3. Install the bolt thru the bracket and tab and fasten securely.

PHOTO 1

B. 09-1132 Rear Harness (Provides Key-On Power and Brake Signal)

1. Raise the dump box.
2. Unplug the tail light wire harness connector located on the driver's side under the box.
3. Plug the (2) matching connectors on the 1132 harness into the tail light harness (route the harness under the cross channel).
4. Locate the spade connectors in the tail light harness and the 1132 harness. Match the wire color codes and connect.
5. Route the 1132 harness along the rail support and cross member to the passenger side and connect to the matching plug on the electrical panel. Secure the harness with wire ties.

CAUTION: MAKE SURE THE HARNESS DOES NOT CONTACT THE EXHAUST SYSTEM OR ANY MOVING PARTS!

PHOTOS 1 AND 2

C. 00-1134 – Main Power Harness (supplies power from the battery terminal strip to the electrical panel)

1. Remove the floor pan and passenger side inner fender.
2. Raise the hood.
3. Route the 1134 harness from the terminal strip (next to the battery) to the electrical panel under the seat. The fused end of the harness will be under the hood. **ROUTING SUGGESTIONS:** From under the hood, follow the air intake tube down and under the floor pan. Secure with wire ties to the tube and the dash support behind the battery.

PHOTOS 3 AND 4

4. Connect the harness to the electrical panel – red to the positive post, black to ground. The spades may be connected to the extra fuse locations to provide accessory power under the hood.
5. Connect the fused end of the 00-1134 harness to the power terminal strip under the hood – red to red (positive) and black to black (ground).
6. Secure the harness with wire ties away from all moving parts (drive shaft etc.).

D. 00-1131 Top Harness (Plugs into the electrical panel and provides power to the auxiliary lights and switches)

1. Connect the 6 pin plug into the matching plug on the electrical panel.
2. Route the harness up the passenger side behind the seat back and headrest supports and hang over the rear roll cage tube.
3. Complete the Top installation.
4. Plug the matching connectors into the brake and rear lights in the roof panel. Set the light pod in position behind the roll cage and connect the dome light (pink and black wires) and cargo lights override switch (red wire to #2 (top) position on the switch, green wire to position #3 (bottom)).
5. With the key on, test all lights and switches.
6. Route the harness behind the light pod and secure the light pod.
7. Tuck the harness behind the passenger's side roll cage and secure with wire ties.

2009 WPS Installation

Before installing the top, assure that the bolts securing the back roll cage tubes to the machine are installed with the thread end pointing towards the seat.

Caution: Tighten bolts only until a slight dimple appears in the gelcoat surface

****See Windshield instructions for clamp locations. All clamps must be used for top installation.****

1. Install the windshield following the instructions provided omitting the bolts thru the top clamps until later in the installation.
2. Install the (4) vinyl clamps on the roll cage on each side of the seat.

PHOTO 5

3. Tip the dump box and locate the two holes in the roll cage support bracket that runs across the back of the seat. Install the (2) steel tabs using $\frac{1}{4}$ "x1" bolts, bonded washers, flat washers, and nylock nuts.

PHOTO 6

4. Install the back panel so it rests on the shelf of the support bracket behind the seat and in front of the tabs. Position the clamps to align with the holes in the back panel. Install the $\frac{3}{8}$ "x1 $\frac{1}{4}$ " bolts and flange nuts and finger tighten only.
5. Position the roof on the vehicle. The back edge will slide over the rear panel and rest on the indent in the upper flange. **Make sure the rubber bulb on the rear corners is not pinched between the roof and rear panel.**
6. Align the holes in the top and rear panel and insert the 6 – $\frac{1}{4}$ "x2" bolts with rubber backed washers across the rear. Use $\frac{1}{4}$ "x1" bolts on the sides. Secure the 6 rear bolts using flat washers and locknuts. The side bolts should be finger tight only.
7. Slide the roof forward to align the holes in the roof with the holes in the windshield and front clamps. Fasten the roof and windshield using $\frac{1}{4}$ "x1". Install the bolts in the upper windshield clamps at this time. (Fixed Windshield)
8. With the flat flange pointing to the vehicle inside, thread 6 flange nuts $\frac{1}{2}$ " onto the 2" bolts holding the roof and back panel together. Slide the light pod into position (complete the 1131 wiring if necessary) and align the slots with the bolts. Press in place and secure using nylon washers and acorn nuts.

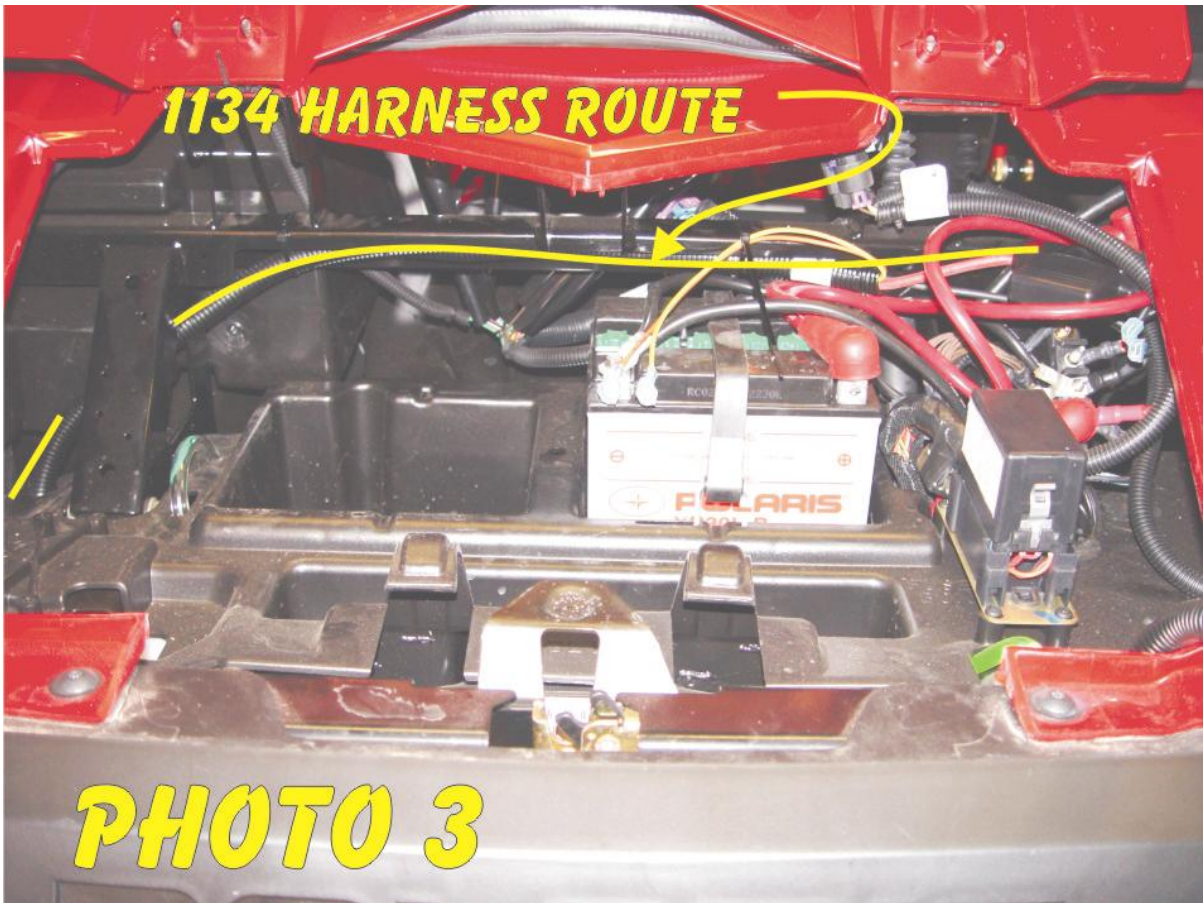
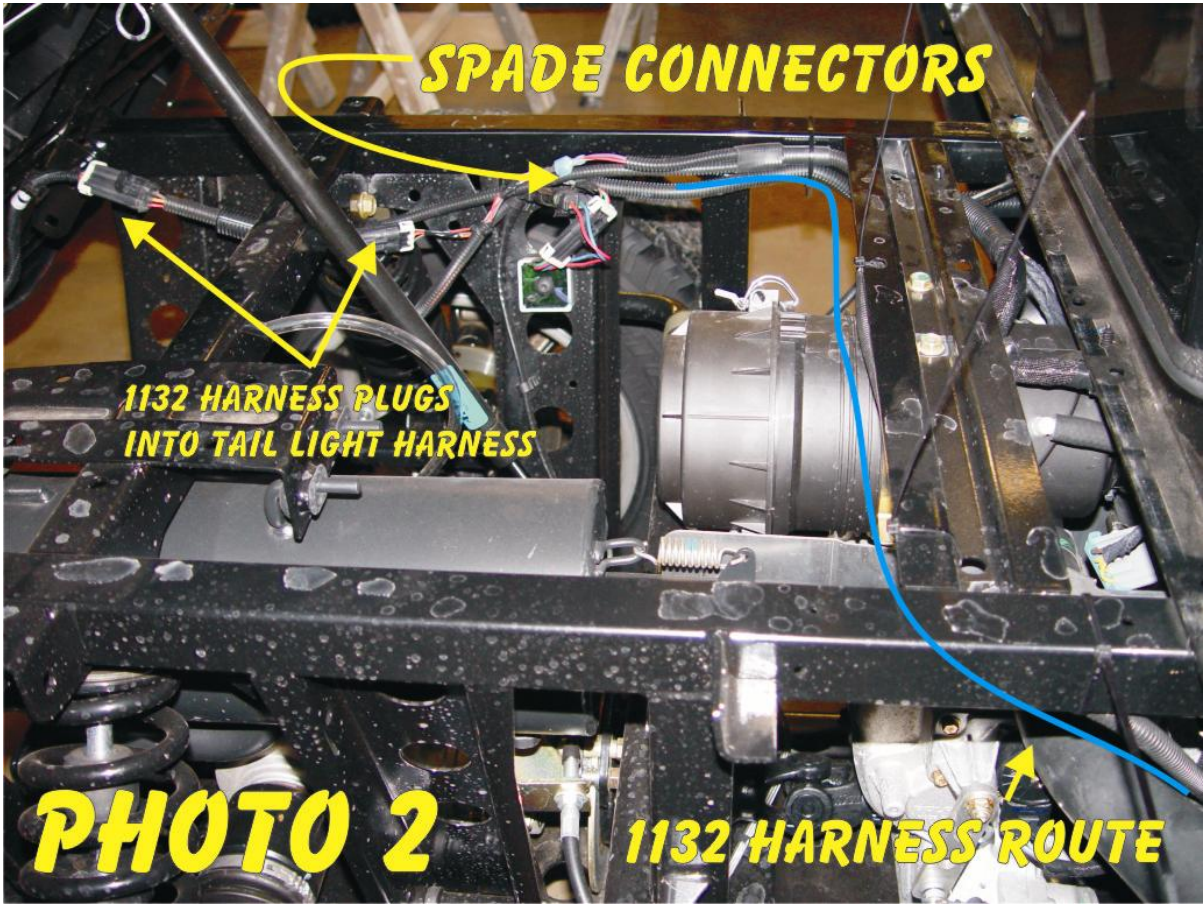
PHOTO 7

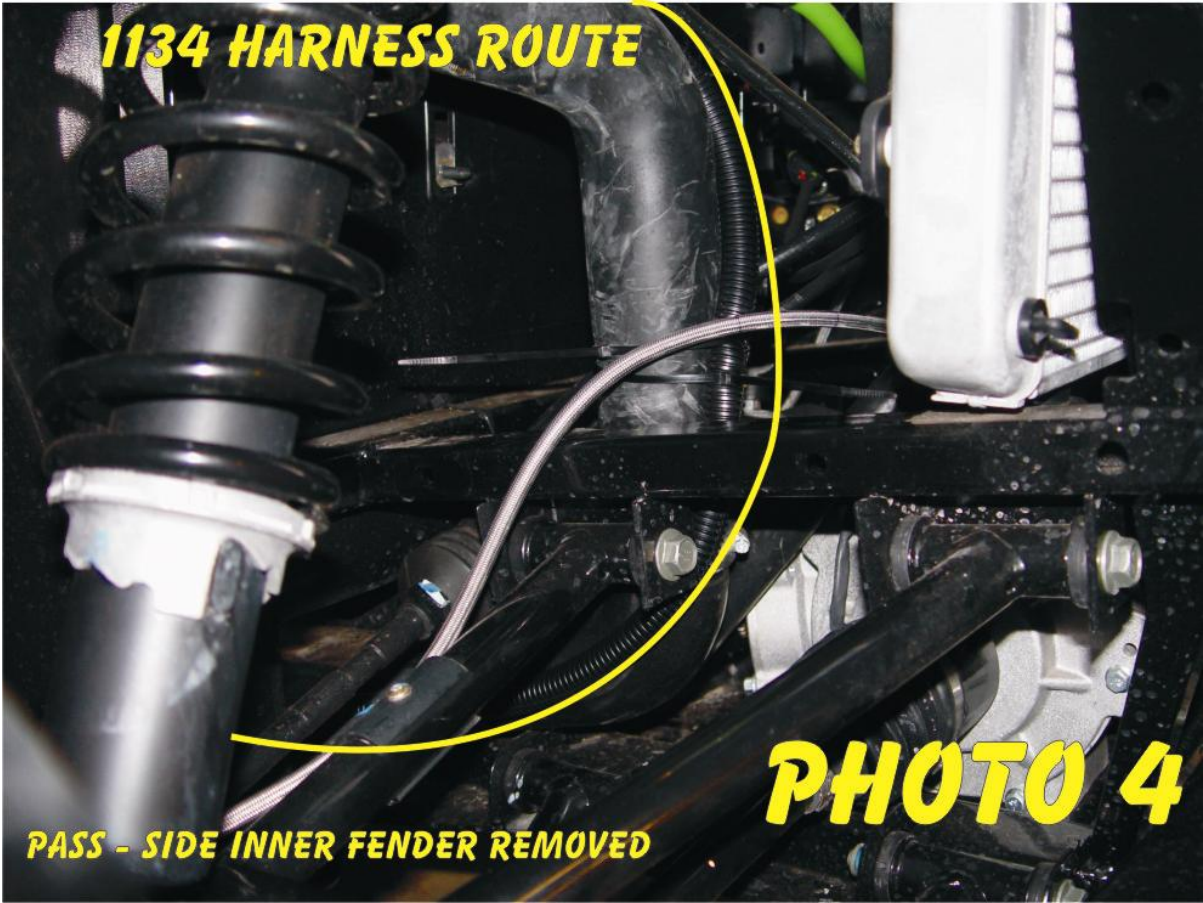
9. Tighten the (4) bolts securing the rear panel to the clamps, and the side bolts securing the top and back panels.

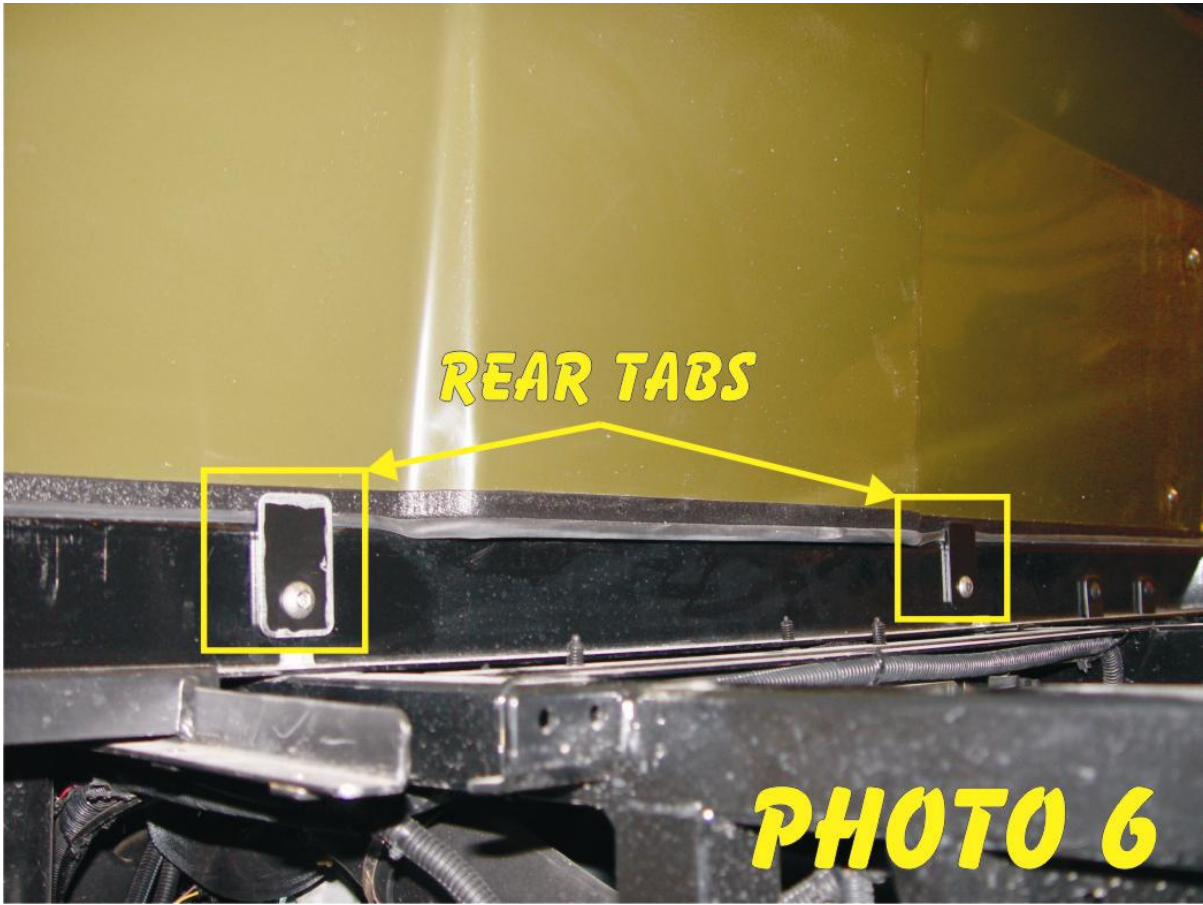
INSTALLER:

**Please package
this and all other
installation
manuals with
vehicle owner's
manuals for future
use by the owner
of vehicle.**











Wide Open Company, Inc.

**19006 River Road
Grand Rapids, MN 55744
218-327-9722
Toll Free 888-927-9722
Fax 218-327-9658
www.wideopenco.com**