

# INSTALLATION MANUAL

## PSD25HBL1

### Level of Difficulty

Easy

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

### Parts List

Item	Qty	Description
1	4	Black carriage bolt, 3/8"-16 x 1 1/2"
2	4	Black flange nut, 3/8"-16
3	2	Sensor pigtail
4	2	Button plug, 18mm
5	2	Rubber grommet, 1" OD x .8125" ID
6	1	Sensor relocation bar

### Tools Required

Ratchet	Torque wrench
SAE socket set	WD-40
Extension (optional)	--

### Torque Specifications

SAE	3/8" bolt, grade 5	30 ft-lbs.

Use above torque setting unless otherwise noted

### Product Photo



### NOTICE

Visit [www.ranchhand.com](http://www.ranchhand.com) for a full-color copy of this instruction manual, as well as helpful videos, guides and much more!

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

Periodic inspection of your product should be performed to ensure all hardware and / or components remain secure.

To help prevent damage to the product or vehicle, refer to the specified torque specifications when securing hardware during the installation process.

Be sure to inspect and test fit product before having it coated or painted. Ranch Hand will not be responsible for the cost of the coating if any problems with fit or finish are not noted and addressed beforehand.

### Maintenance

Mild automotive detergent may be used to clean the product. Do not use dish detergent, abrasive cleaners, abrasive pads, wire brushes or other similar products that may damage the finish.

### Product Registration and Warranty

Ranch Hand stands behind our products with industry-leading warranties. To get copies of the product warranties, register your purchase or provide feedback, visit: [warranty.curtgroup.com/surveys](http://warranty.curtgroup.com/surveys)

**Step 1**

Remove the center two (2) sensors from the factory bumper.

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**Step 2**

Mount the sensor relocation bar to the four (4) 3/8" square holes located in the uprights of the grille guard.

Use the 3/8" black carriage bolts and flange nuts to install.

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**Step 3**

Install the rubber grommets into the relocation bar.

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**Step 4**

Run the pigtails through the opening between the bumper and factory grille.

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**Step 5**

Install the two (2) button plugs into the factory sensor holes.

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**Step 6**

Install the sensors into the relocation bar. Use WD-40 to help install the sensor into the grommet if necessary.

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**Step 7**

Check to make sure the sensors work properly. If sensors are not working, tilt the relocation bracket up or down until it works. Then be sure to tighten the carriage bolts.

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