

PETERBILT 330

INSTALLATION INSTRUCTIONS

Note:

This installation guide is specific to the Peterbilt 330 air brake tow vehicle. Many of the same guidelines can be used when installing a BrakeSmart wire harness kit #98050 on other air brake vehicles.

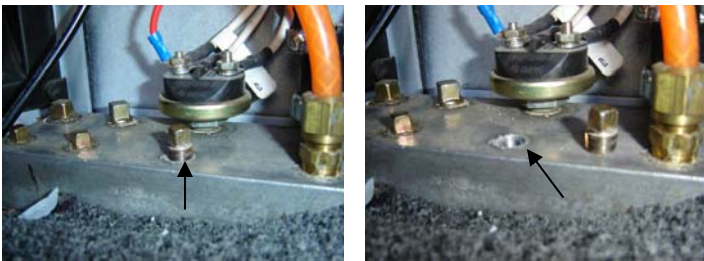
1. Open the driver side door and locate the black panel area that is just below the dash and against the firewall. The panel is separated into two parts by the steering column. Using a large Phillips head screwdriver, remove the screws that hold these two panels in place. (Figures 1&2)

Figures 1 & 2



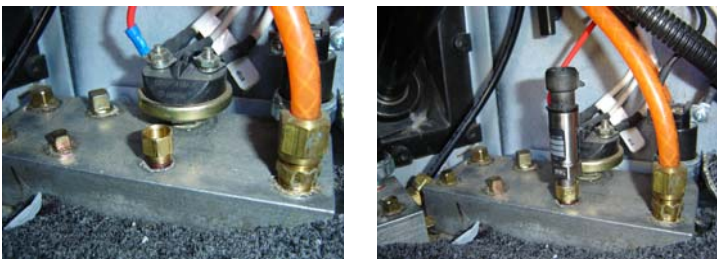
2. Locate the stop light switch service block behind the panel. Remove the pipe plug that is directly in front of the stop light switch. Check this port for air distribution. You should feel a puff of air from this port as you apply the brake. (Figures 3&4)

Figures 3 & 4



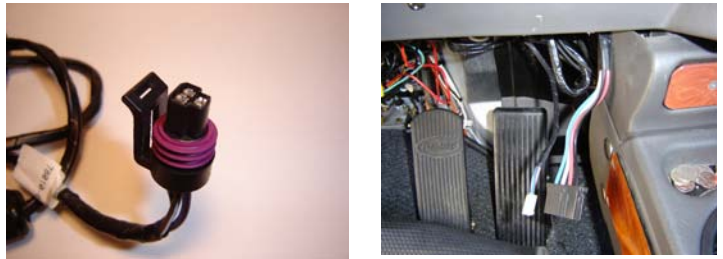
3. Apply **thread sealant** to the sensor adaptor included in the kit. Install the adaptor and tighten securely. Install the sensor into the adaptor and tighten securely. (Figures 5&6)

Figures 5 & 6



4. Insert the sensor harness into the air pressure sensor. Using the butt connectors, connect the power, ground, stop light signal, and trailer brake signal wires from the BrakeSmart harness to the corresponding wires from the tow vehicle. Note: On the BrakeSmart harness, Black = 12V Power, White = Ground, Red = Stop Light Signal, Blue = Trailer Brake Signal (Figures 7&8)

Figures 7 & 8



5. Find a suitable location for mounting the BrakeSmart controller. Using the supplied self tapping screws, install the bracket to the dash or consol area. Plug both the sensor harness and BrakeSmart four pin harness into the back of the BrakeSmart. Check that the unit powers up and that when the brake pedal is depressed the display reads "Braking" and that the bar and psi display moves accordingly. Finish the installation by mounting the BrakeSmart controller to the mounting bracket. (Figures 9&10)

Figures 9 & 10



Helpful Hints:

1. Make sure that you have set the pressure sensor reading in the BrakeSmart to 150 to insure an accurate display.
2. Remember that you want to mount the pressure sensor on the **delivery** side of the treadle valve (the circuit that will give an air signal when the brakes are applied). This circuit is generally associated with the stop light switch.
3. Check for air leaks at the sensor, the sensor adaptor, or any air hose splices.