Form No. 3326-969

Signal Light Kit

Workman® 1100/2100 and Twister™ Utility Vehicles

Part No. 104-6953

Installation Instructions

Note: You must have the Brake and Tail Light Kit, Part No. 104-6697, installed to operate this kit.

Loose Parts

Description	Qty.	Use
Signal controller	1	Installing the signal controller
Grommet	1	
Wire tie	1	
Signal light	2	Installing the signal lights
Pan head screw, 1/4 x 1 in.	4	
Flat washer	4	
Locknut	4	
Wire tie	2	

Installing the Signal Controller

1. Position the machine on a level surface, stop the engine, and remove the key.

Caution

If you leave the key in the ignition switch, someone could accidently start the engine and seriously injure you or other bystanders.

Remove the key from the ignition switch before you do any maintenance.

2. On the top edge of the dash, mark the location of the signal controller wire harness as shown in Figure 1.

3. Remove the hood from the vehicle by removing the 2 screws on top of the hood, the 2 bolts on each fender, and the 4 bolts from the bottom of the hood.

4. Drill a hole (3/4 in.) and slot (3/8 in. wide) in the dash (Fig. 1).

5. Slit one side of the grommet and slide it over the signal controller wire harness.

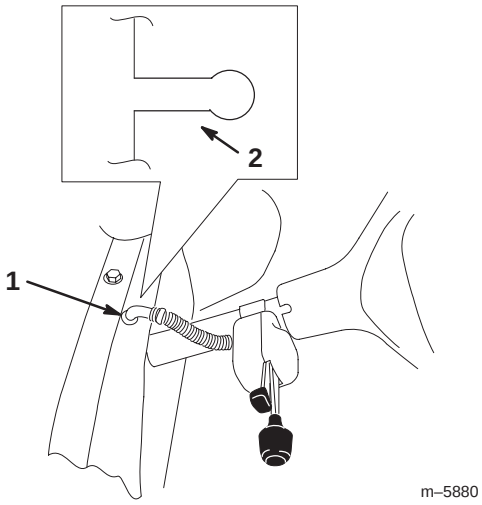


Figure 1

1. Harness location
2. Hole & slot

6. Attach the signal controller to the steering column as follows:

A. Insert the screws into the anchors.

B. Insert the assembled anchor screws into the slots in the signal controller. Do not tighten.

C. Cut the strap included with the signal controller to 4-1/2 in. (114 mm) long.

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D. Insert one end of the strap through the clip of the signal controller and bend the strap 1 inch (25 mm) from the end. Catch the clip under the anchor on the controller (Fig. 2).

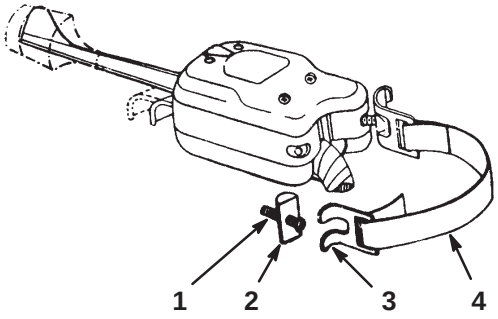


Figure 2

1. Screw
2. Anchor
3. Clip
4. Strap

E. Hold the controller against the steering column so that the strap is approximately 1/4 in. from the foam on the steering column (Fig. 3). Bend the strap around the column. Insert the other end of the strap through the second clip and bend the strap 1 inch (25 mm) from the end. Catch the clip under the anchor on the controller.

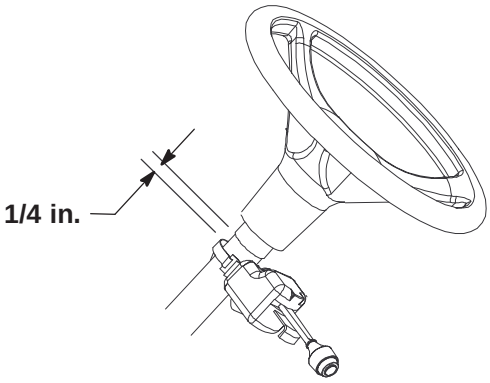


Figure 3

F. Tighten the anchor screws equally until the signal controller is clamped firmly to the steering column.

7. Slide the wire harness through the drilled slot and into the hole. Seat the grommet in the hole.

8. Unplug the cap from the taillight harness and plug in the signal control harness (Fig. 4).

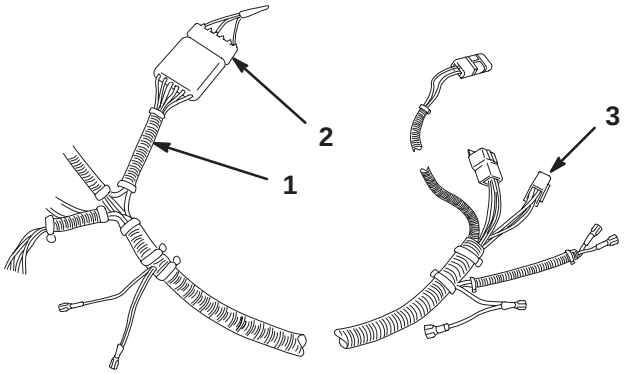


Figure 4

1. Taillight harness
2. Cap/Signal controller harness
3. Open plug

9. Fold the remaining wires of the signal controller harness behind the dash and secure them with a wire tie.

Installing the Signal Lights

1. Using the rubber seal on the signal lights as a template, locate, mark and drill 2 holes (9/32 in. dia.) for the screws and a hole (3/4 in. dia.) for the wires in each side of the hood in the approximate locations shown in Figures 5 and 6.

Note: On Workman vehicles, locate the signal lights as far forward as possible where the lights are still flush with the hood.

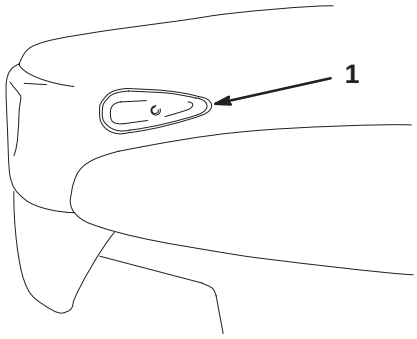


Figure 5

Workman 1100 and 2100

1. Signal light

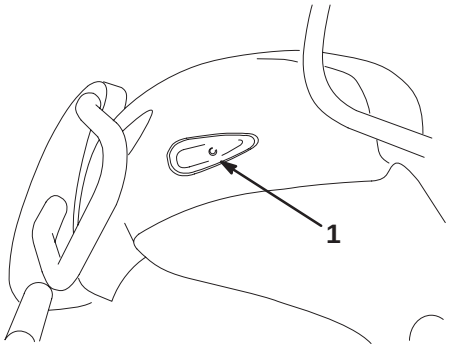


Figure 6

Twister

1. Signal light

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2. Remove the lens from the signal lights.

3. Remove the bulb and attach each signal light to the hood with 2 screws, washers, and locknuts.

4. Install the bulb and attach the lens.

5. Plug the short end of the signal harness into the left signal light. Plug the long end of the harness into the right signal light.

6. Secure the signal harness to the vehicle headlight harness with 2 wire ties.

7. Plug the remaining end of the signal harness into the open plug in the taillight harness (Fig. 4).

8. Install the hood.


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