

HIDDEN[®] HITCH

BUILT FOR LIFE

31822

INSTALLATION INSTRUCTIONS



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The HIDDEN HITCH #31822 Adapter allows autos with separate TURN and STOP lamps to be electrically compatible with trailers having combined TURN and STOP functions.

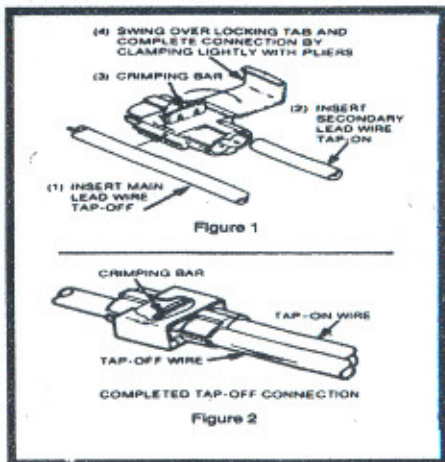
Tools required:

- One pair pliers
- Slothead screwdriver
- Phillipshead screwdriver
- Torx tip screwdriver on most GM products
- DC Test lamp

The HIDDEN HITCH #31822 Adapter is easily installed with four (4) 14-18 ga parallel tap-offs and one crimp-type ring terminal.

To install the tap-offs, place the wire to be tapped into in the first groove which goes all the way through the connector (Figure 1 - step 1). Put the wire from the Adapter input in the second groove (Figure 1 - step 2).

Using pliers, push the crimping bar all the way in (Figure 1 - step 3). Snap the cover over until it locks tight (Figure 1 - step 4). Figure 2 shows the tap-off completed.



1. Turn on headlamps, taillamps and flashers. Determine that all bulbs are working properly before installing adapter.
2. Attach white wire (ground) with ring-terminal (supplied) to existing screw on tow vehicle chassis.
3. Turn on the headlight switch to illuminate the taillights. Beginning on the driver's side, look to see which bulb is lit. Using a test lamp, determine which wire is connected to the bulb. TURN OFF THE HEADLIGHT SWITCH and attach the BROWN input lead to the taillight wire using a wire tap (see Figure 1).
4. Turn the ignition switch to the "Accessory" position. Place the turn switch in the left turn position and determine the wire which is connected to the left turn lamp at the rear of the towing vehicle. Turn off the ignition switch. Attach the YELLOW input lead to the left turn wire using a wire tap (see Figure 1). Repeat this procedure with the right turn signal and attach the GREEN input lead to the right turn wire using a wire tap.
5. Have an assistant depress the BRAKE PEDAL. Determine with a test lamp which wire is "hot" when the BRAKE PEDAL is depressed (left or right, whichever is most convenient) and does not have power when the BRAKE PEDAL is released. Attach the RED stop input lead using a wire tap.

NOTE: ALL FIVE (5) INPUT LEADS MUST BE CONNECTED BEFORE TESTING ADAPTER OUTPUTS.

LIGHTING SYSTEMS ARE READY FOR TEST

1. Connect the 4-way flat output connector to the Trailer or use a test lamp.
2. Turn on the HEADLAMP switch and check that the trailer TAILLIGHTS are "on". Turn off the HEADLAMP switch.
3. Have an assistant depress the BRAKE pedal and check that the trailer STOP (bright filaments) are illuminated.
4. Check right and left turn signals for proper operation.
5. Mount the adapter where it will not be damaged, in or under the trunk of the towing vehicle. Peel off the protective layer of the heavy duty tape on the bottom of the adapter and firmly attach it.



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