

October 27, 2025**Missing 12v Accessory Wiring**

Applies to: End users wanting to use the two fog light circuits on the combination switch to control additional lighting on the vehicle.

Date: 10/27/2025

Overview: On some later 2024 X4/X6 vehicles, the optional first and second position fog light wiring was omitted from the turn signal harness and light control box. This service bulletin outlines how to replace the light control box and harness from the combination switch to the light control box.

Issue Description: There are missing connections for the optional fog light circuits controlled by the combination switch. It will be necessary to replace the light control box and harness.

Required Action: Remove the screen and locate the light control box that's mounted to the frame behind the dash. There should be a 12-inch section of harness with 4 wires labeled "Fog" coming from the light control box. This is usually tucked behind as it is not used in production. If the wires are present, this Technical Bulletin does not apply. If the wires are not there, order the two parts listed below. Proceed with installation instructions included in this bulletin.

Order the following parts:

TA3797002A - Light Control Box

TA2105094A - Replacement Harness

These are offered in **Kit 28-511: Fog 1 / Fog 2 Light Controls**



It is recommended to remove battery power to the vehicle before performing any work.

STEP 1:

Inspect the light control box to verify if the fog light wires are present. Sometimes these are tucked in behind the dash.

To gain access, remove the display by gently pulling away from the dash. You will see the light control box mounted to the vehicle's frame behind the dash.

If the accessory fog light harness is not present, remove the existing light control box and 12-pin connector. Disconnect the three connectors of the existing light control box, as well as the existing harness with the 12-pin connector. Take off the column cover and pull the rubber boot up from the floor and then fish the harness out and remove.



STEP 2:

Route the 12-pin connector end of the new harness through the steering column boot, then up behind the dash where the original harness came from. Install the new replacement light control box and connect the three connectors removed in step 1.



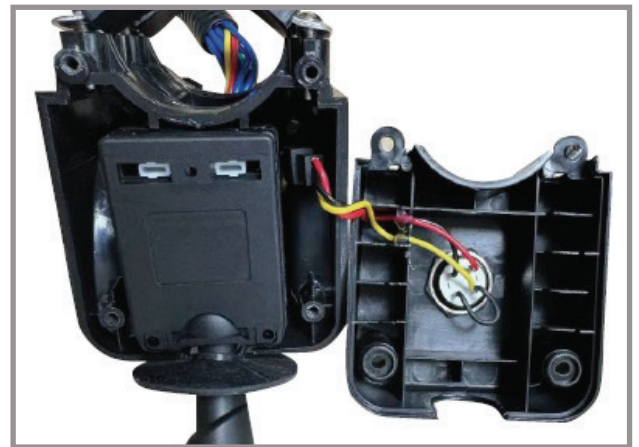
STEP 3:

Remove the combination switch from the steering column, and using a Phillips head, remove the four screws as shown. When removing the screws, be careful not to scratch the surface of the outer casing. Retain the screws.



STEP 4:

Gently open the cover of the combination switch housing by lifting it upward.



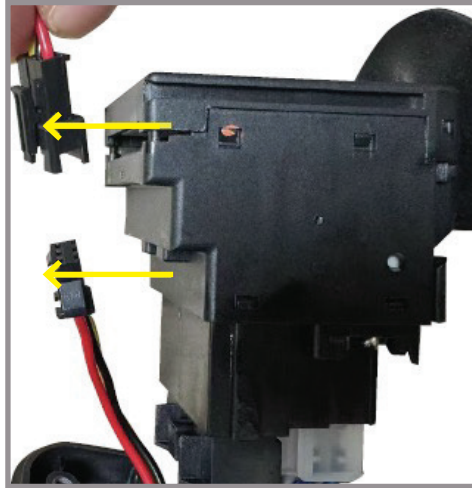
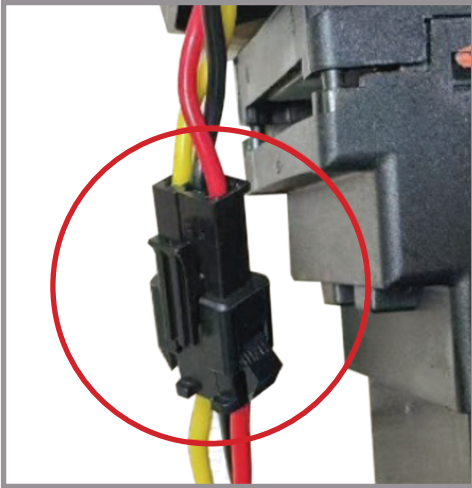
STEP 5:

Firmly lift the main wiring harness upward, and pull the combination switch and wiring harness out from the top. Be careful not to use excessive force to avoid damaging the wiring harness.



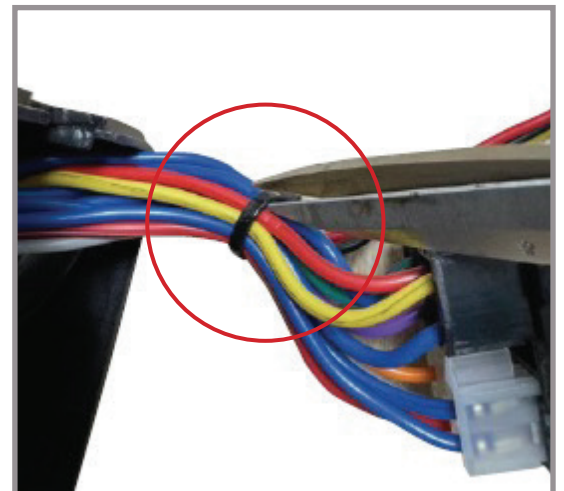
STEP 6:

Find the small black plug connected to the double flash switch on the combination switch cover as shown below. Carefully disconnect the plug, remove the cover, and store it properly to avoid scratching.



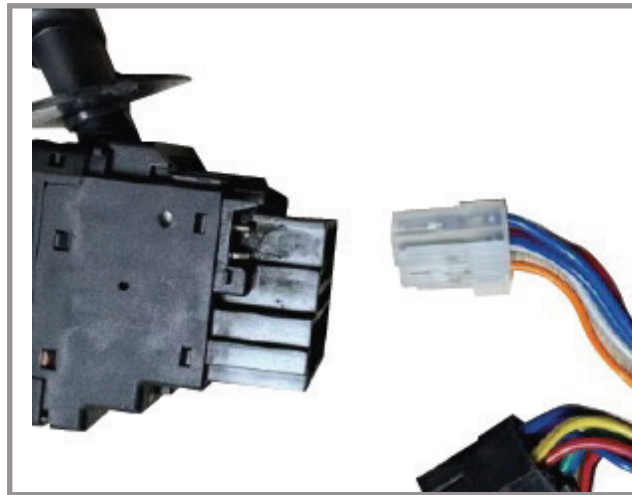
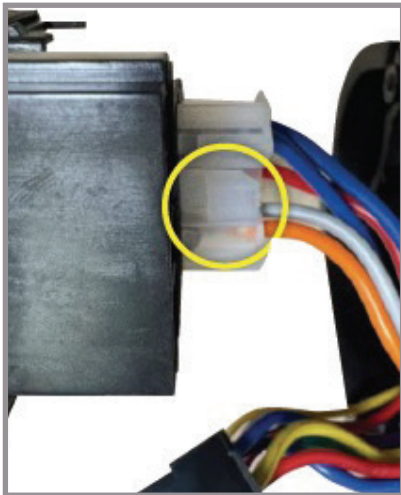
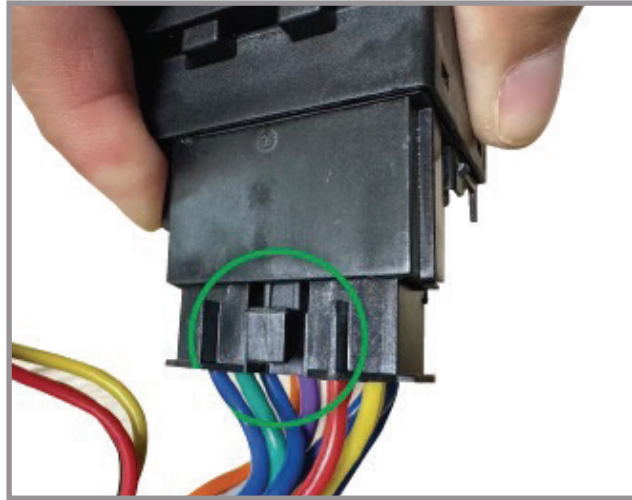
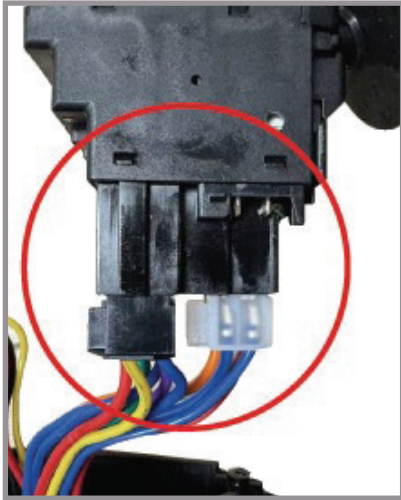
STEP 7:

Carefully use scissors to cut the black nylon cable ties securing the wire harness as shown. This will ensure easier to separate the wire harness for removal of the combination switch. Be careful not to damage the wire harness when cutting the cable ties.



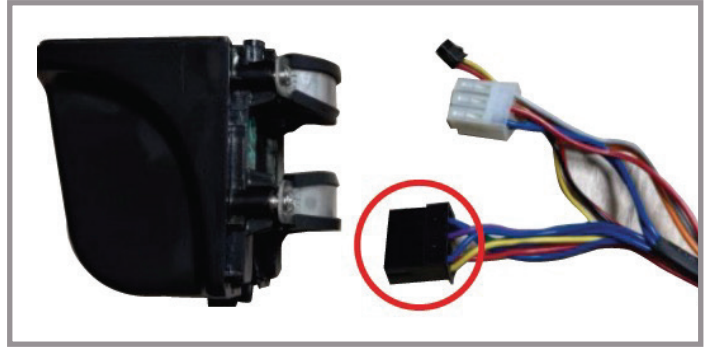
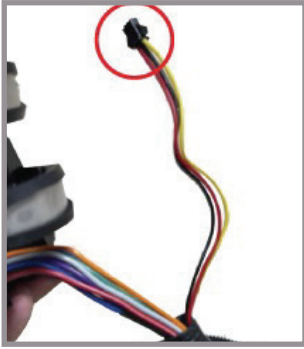
STEP 8:

Locate the black and white plugs at the bottom of the wiring harness and combination switch. First, press the clip at the top of the black plug as shown below in green, and remove the black plug. Next, press the clip at the top of the white plug as shown in yellow, and remove the white plug.



STEP 9:

After removing the combination switch, pull out the three plugs on the wiring harness from the switch housing. First, remove the small black plug connected to the hazard switch. Then, remove the white plug connected to the combination switch. Remove the black plug last.



STEP 10:

After removing the entire wiring harness, the replacement harness can now be installed.



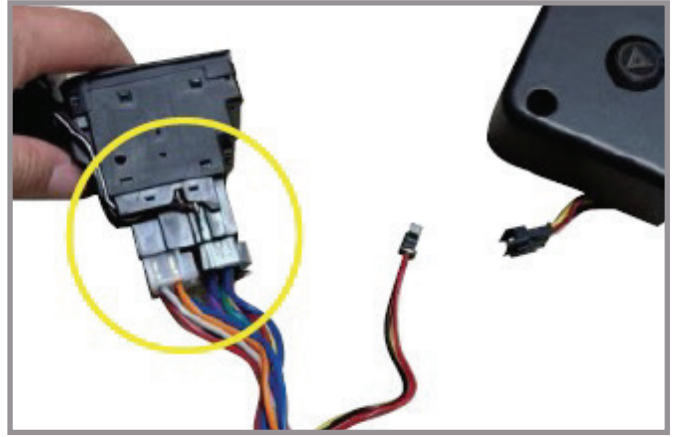
STEP 11:

Insert the three plugs of the new wiring harness (small black plug, white plug, and large black plug) into the switch housing in order from largest to smallest.



STEP 12:

Insert the white and large black plugs into the corresponding positions of the combination switch in the order in which they were plugged in earlier.



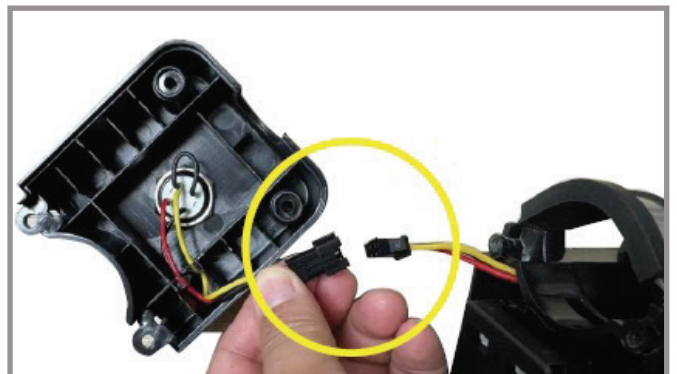
STEP 13:

Place the combination switch together with the wiring harness into the switch housing, and place the small black plug connected to the hazard switch on the side of the switch for easy connection to the top cover.



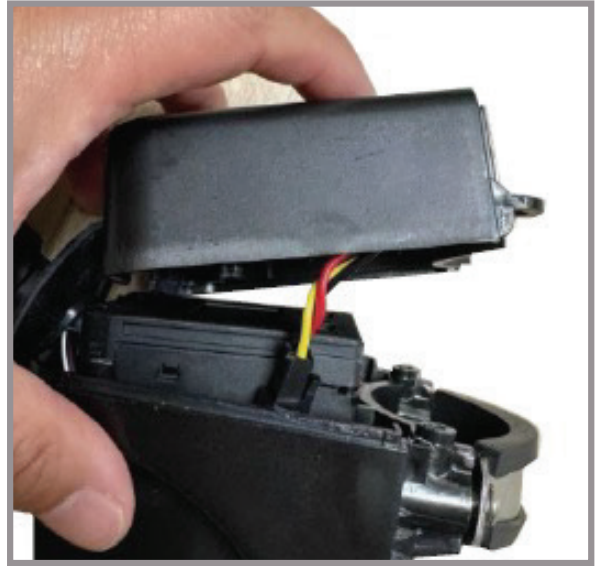
STEP 14:

Connect the dual flash switch on the switch cover.



STEP 15:

Carefully install the connected top cover onto the outer casing. Be careful not to press on the wiring harness connected to the dual flash switch.



STEP 16:

Using the retained hardware, secure the top cover in place. Tighten the four screws just until snug. Do not over-tighten.



STEP 17:

Reinstall the combination switch back onto the steering column making sure the harness to the light control box has room to be routed correctly, slide the column boot down and in place. Then reinstall the column cover

At this point, the installation should be complete except for the display/screen. You can now connect the "Fog" wire connections as needed. After that is completed, reinstall the screen and test that everything is working properly.