

PLOW CONTROLLER KIT



P/N 2883391

APPLICATION

Verify accessory fitment at [Polaris.com](https://www.polaris.com).

BEFORE YOU BEGIN

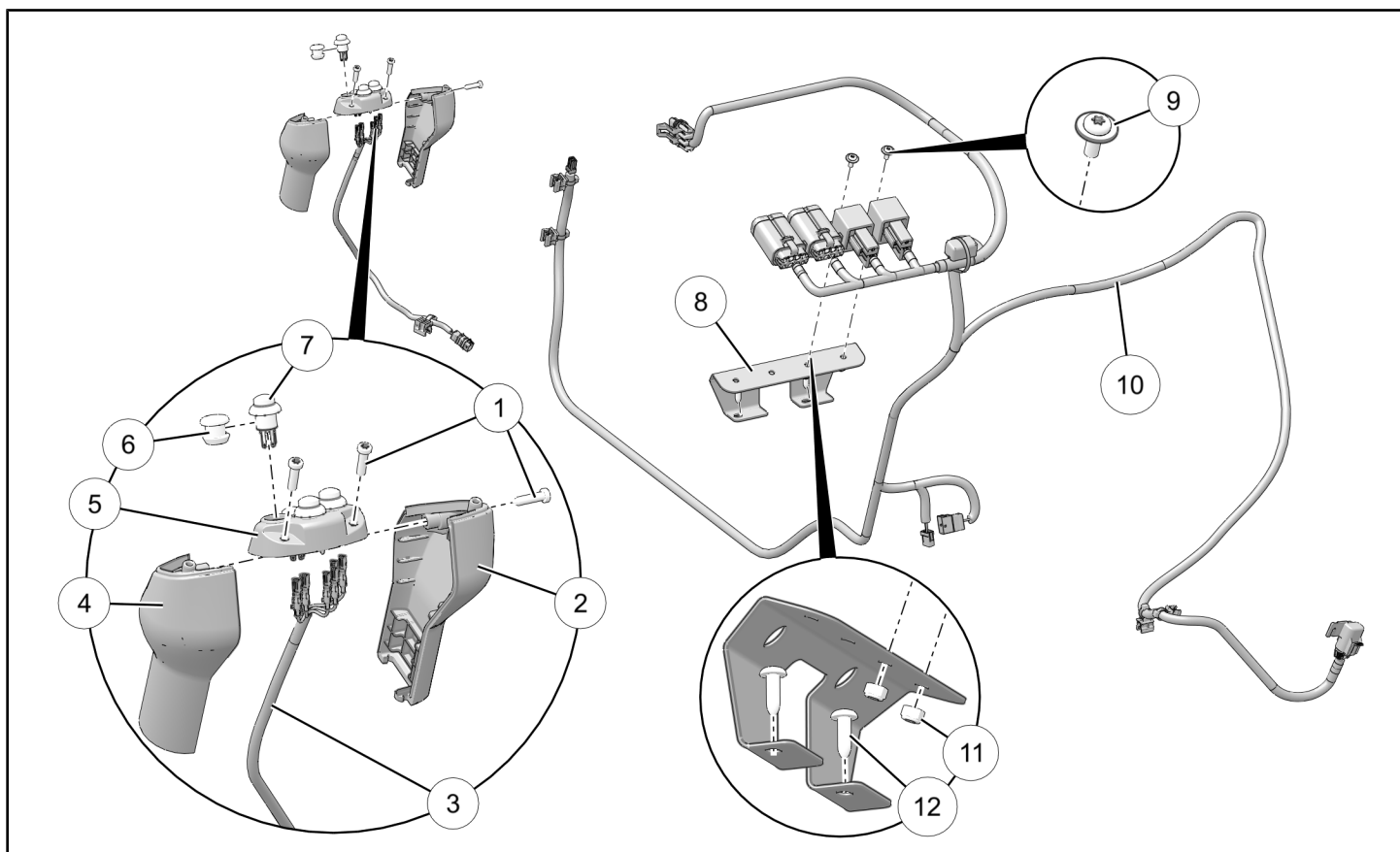
Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This kit contains parts for installation of the plow controller only. Prior installation of a plow system (mount, frame, winch, and blade) is also required (sold separately).

This kit can also accommodate Plow Angle Kit, PN 2884127 (or equivalent; sold separately).

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	3	Screw, Torx® Pan Head, High/Low - #10 X 3/4	7517790
2	1	Grip, Plow Control, LH	-
3	1	Harness, Rear	2414278
4	1	Grip, Plow Control, RH	-
5	1	Cap, Plow Control	-

REF	QTY	PART DESCRIPTION	PART NUMBER
6	4	Plug, Filler	5455599
7	4	Switch	4017301
8	1	Bracket, Relay and Circuit Breaker	5267700-458
9	2	Screw, Torx® Pan Head, with integral washer - #10-24 X 1/2	7512084
10	1	Harness, Front	2414178
11	2	Nut, Locking - #10-24	7541925
12	2	Screw, Torx® Truss Head, High/Low - #14 X 3/4	7519045
13	6	Cable Tie (not shown)	7080761
	1	Instructions	9928571

TOOLS REQUIRED

- Safety Glasses
- Cutting Tool
- Drill
- Drill Bit: 1/4 inch (6 mm)
- Pliers, Push Pin Rivet
- Screwdriver Set, Torx®
- Socket Set, Metric
- Wrench Set, Metric

IMPORTANT

Your Plow Controller Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

HARNESS DETAIL

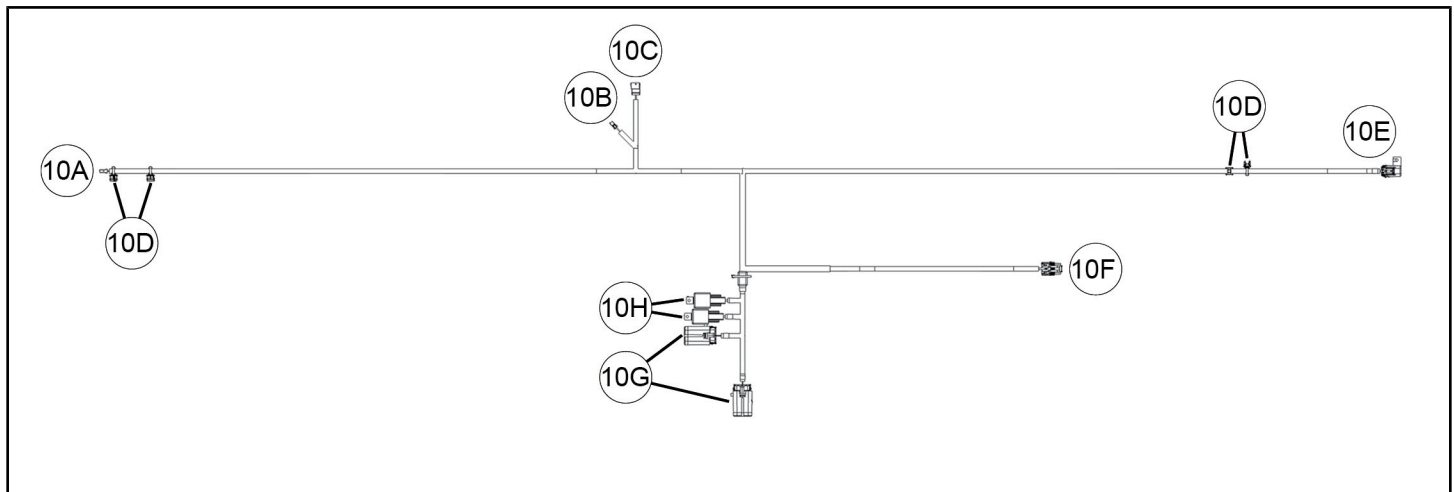
REAR HARNESS ③:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
3A	Connector, Plow Control	-	5 male	Front harness ⑩, connector 10A
3B	Clip, Edge	-	-	Vehicle structure
3C	Terminal, Spade; wire pair identified as PLOW (RIGHT)	-	1 female x2	Switch ⑦

REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
3D	Terminal, Spade; wire pair identified as PLOW (UP)	-	1 female x2	Switch ⑦
3E	Terminal, Spade; wire pair identified as PLOW (LEFT)	-	1 female x2	Switch ⑦
3F	Terminal, Spade; wire pair identified as PLOW (DOWN)	-	1 female x2	Switch ⑦

FRONT HARNESS ⑩:



REF	PART DESCRIPTION	WIRE COLOR	PIN QTY/ GENDER	CONNECTS TO
10A	Connector, Plow Control	-	5 female	Rear harness ③, connector 3A
10B	Connector, Winch, Wireless Receiver	-	4 female	OPTIONAL: Winch Kit (PN 2883861 or equivalent)
10C	Connector, Winch, Dash Switch	-	4 male	
10D	Clip, Edge	-	-	Vehicle structure
10E	Connector, Plow Cylinder, with attached fir tree clip (identified as: TILT)	-	2 female	Plow Angle Kit (PN 2884127 or equivalent)
10F	Connector, Terminal Block	-	3 female	Pulse™ terminal block
10G	Relay/Fuse Blocks (Plow UP/DOWN)	-	-	Bracket ⑧
10H	Relays (Tilt/Angle)	-	-	

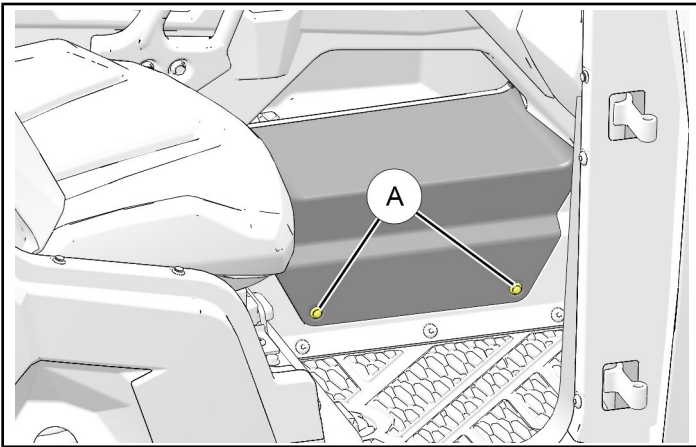
INSTALLATION INSTRUCTIONS

1. Shift vehicle transmission into "PARK". Turn ignition switch to "OFF" position and remove key.

WARNING

Ensure red positive (+) battery terminal is COMPLETELY COVERED by protective boot. Accidental tool contact across both battery terminals will result in high current electrical arc, and may result in battery explosion. Death or serious personal injury may occur.

2. Remove driver's seat (**GENERAL® 4**: left rear passenger seat) and battery access cover, then disconnect black negative (-) cable from battery.
3. Gain access.
 - a. Remove hood.
 - b. Remove both cup holders from between (front) seats.
 - c. Remove (front) seats.
 - d. Remove two push pin rivets **A** from RH side of lower center console panel, then slide panel to right and remove. Retain rivets.

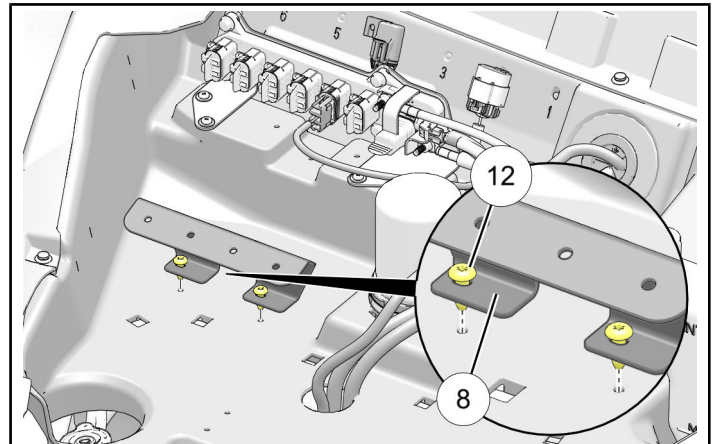


4. Install front harness.

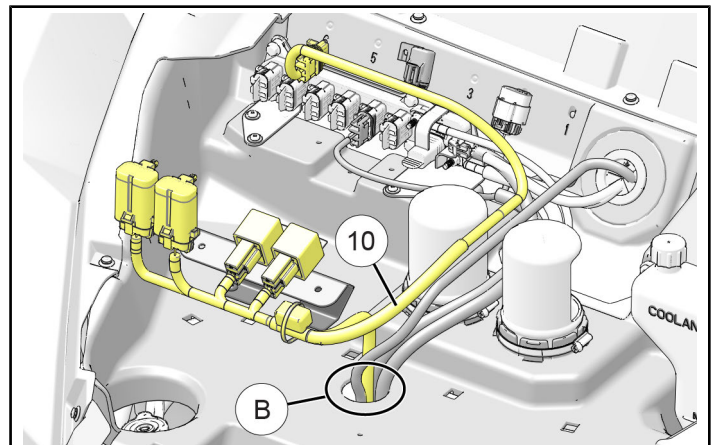
NOTE

See previous section, **HARNESS DETAIL**, for connector identification.

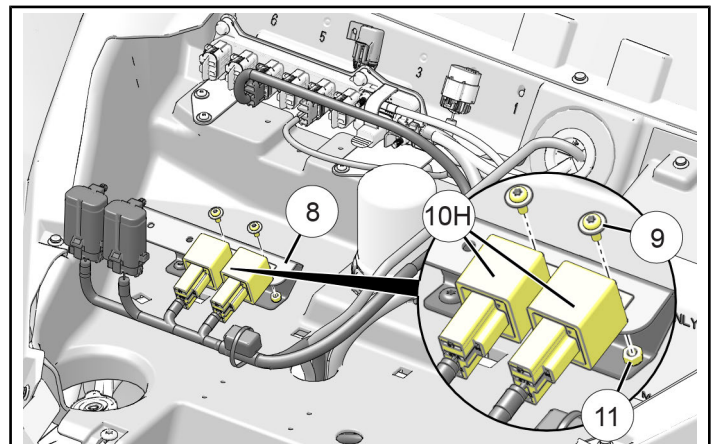
- a. Install bracket **8** to under-hood liner using two screws **12**. Do not overtighten screws.



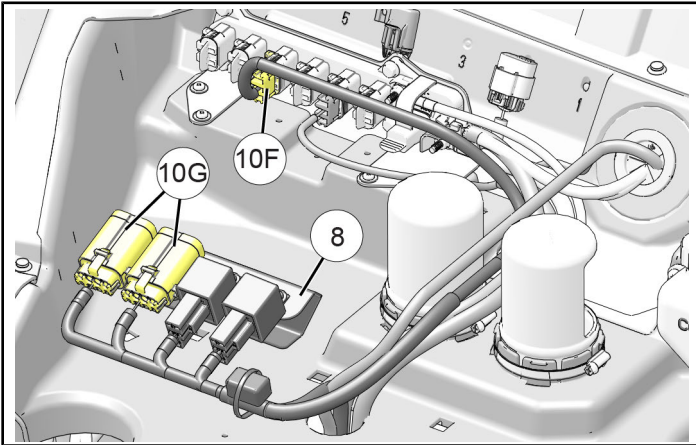
- b. Route plow control connector 10A, winch connectors 10B and 10C, and plow cylinder connector 10E, all on front harness **10**, down through hole **B** in under-hood liner. These connections will be made in a later step.



- c. Install two relays 10H to bracket **8** using two each screws **9** (with integral washers) and nuts **11**. Tighten screws.



- d. Install two relay/fuse blocks 10G to bracket ⑧ using attached routing clips.

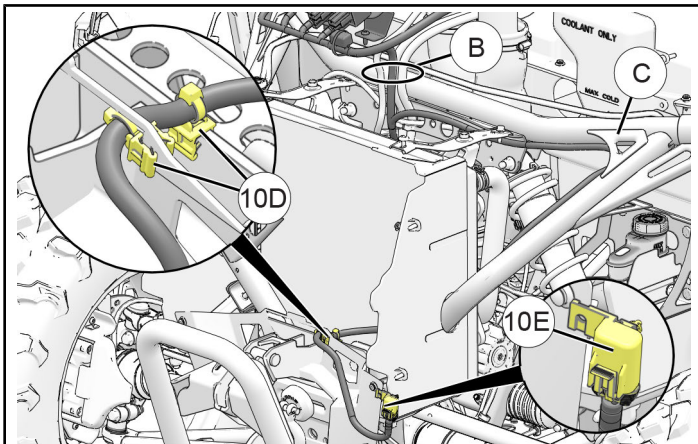


- e. Open power cap on vehicle terminal block at any open location, then plug in connector 10F.
- f. From hole ⑧ in under-hood liner route plow cylinder breakout (with connector 10E) towards left side of vehicle to chassis support gusset ③. Continue routing breakout down along chassis tubing, through hole in radiator shroud, then forward to front of vehicle.

Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, then secure breakout to lower fascia (winch cover) and plow structure using two edge clips 10D.

NOTE

Front fascia, fender, and under-hood liner hidden for clarity.

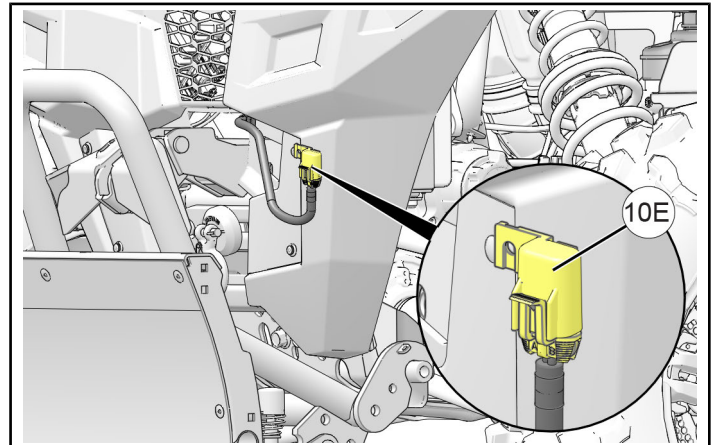


- g. Drill 1/4 inch (6 mm) hole through front fascia, then secure plow cylinder connector 10E using attached fir tree clip on cover.

If Plow Angle Kit (PN 2884127 or equivalent) is installed: Remove connector 10E from cover, then join to corresponding connector on plow cylinder.

IMPORTANT

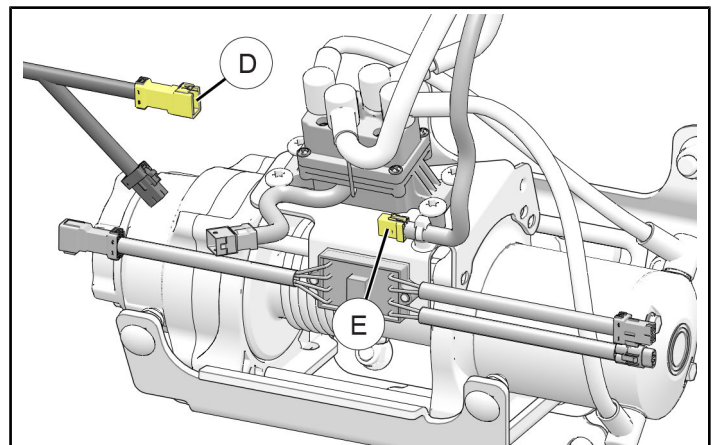
Always reinsert connector into cover when plow is detached.



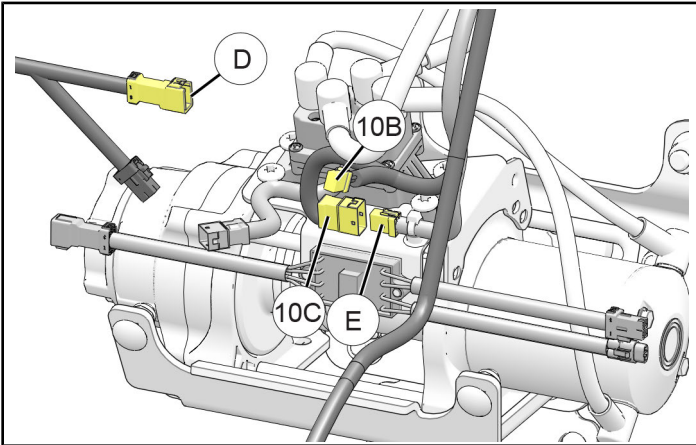
- h. Follow plow cylinder breakout back towards hole ⑧ in under-hood liner. Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, then secure using three cable ties ⑬.
- i. Detach existing wireless receiver connector ④ from dash switch connector ⑤.

NOTE

Dash switch connector ⑤ is secured to top of winch with a routing clip.
View looking forward.



- j. Daisy-chain front harness ⑩ into existing winch system as follows:
- Join wireless receiver connector ④ to connector 10B on front harness ⑩
 - Join dash switch connector ⑤ to connector 10C on front harness ⑩

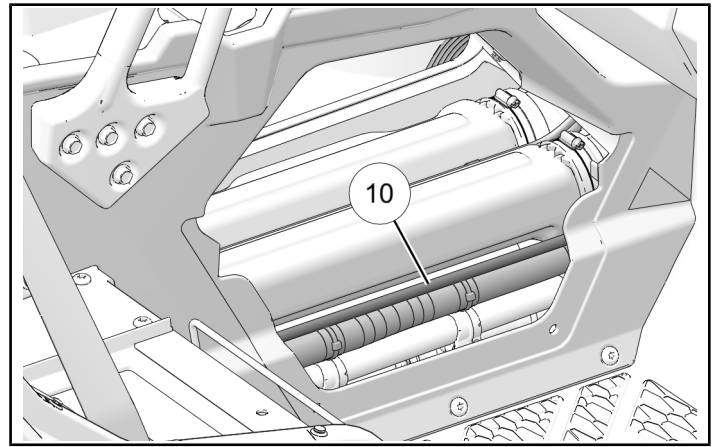
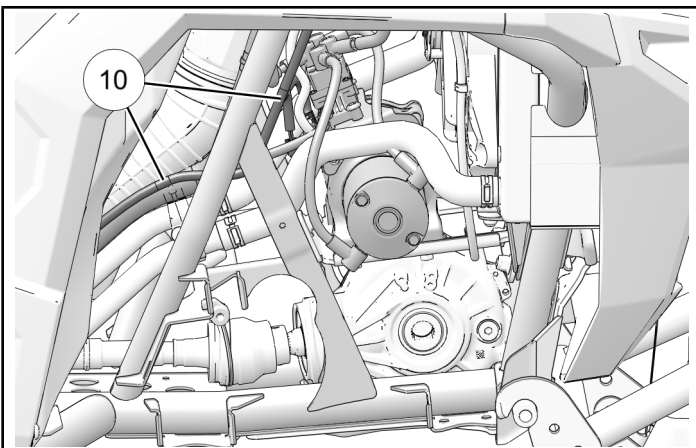


- k. Loosely route plow control connector 10A on front harness ⑩ downward and rearward into center console following main chassis harness.

Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, but do not secure at this time.

NOTE

View looking inboard from right front wheel well. Front suspension and steering components hidden for clarity.

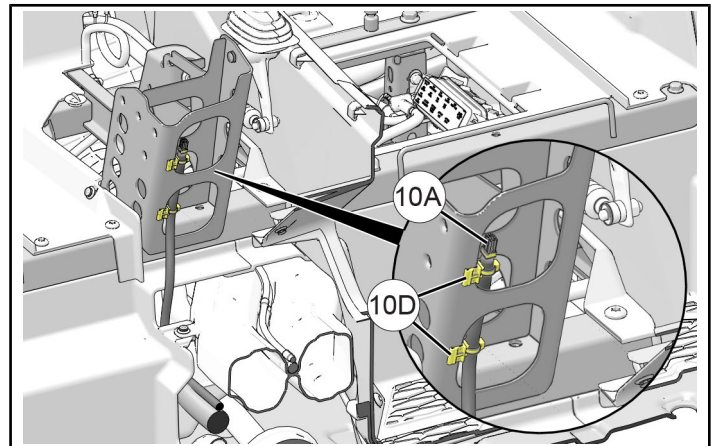


- l. Continue routing plow control connector 10A on front harness ⑩ rearward along main chassis harness, then upward along shift support box.

Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, but do NOT secure with edge clips 10D this time.

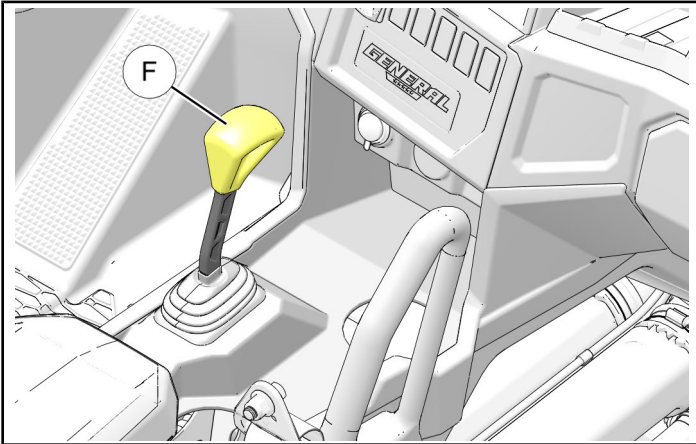
NOTE

GENERAL® shown; **GENERAL® 4** similar. Center console upper and RH side panels hidden for clarity.



5. Install rear harness.

- a. Carefully cut existing rubber overmold grip ⑥ from shift handle. Discard grip.

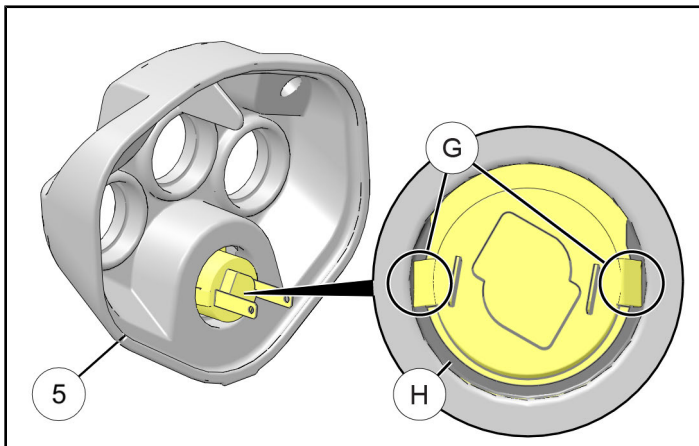


- b. Install switches and filler plugs into cap ⑤ per one of the following steps:

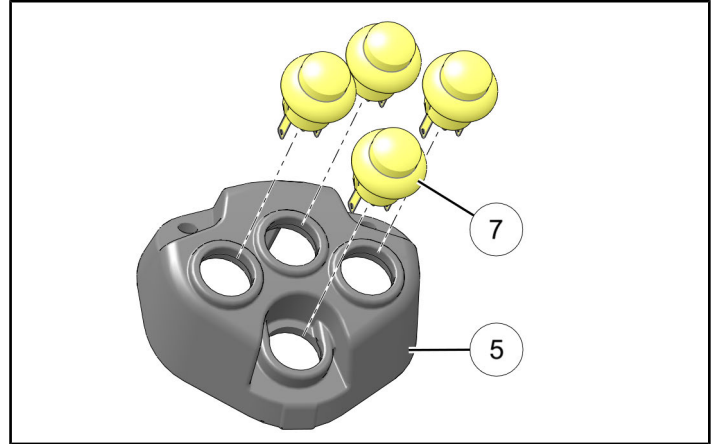
IMPORTANT

All switches are identical. However, the switch installed in the BOTTOM (DOWN) hole should be rotated **BEFORE INSTALLATION** so the two locking tabs ⑥ are oriented towards the left and right sides of the cap as shown.

This enables locking tabs ⑥ to capture mating ring ⑦ in the cap, resulting in a more secure installation. Orientation of the other three switches is not critical.



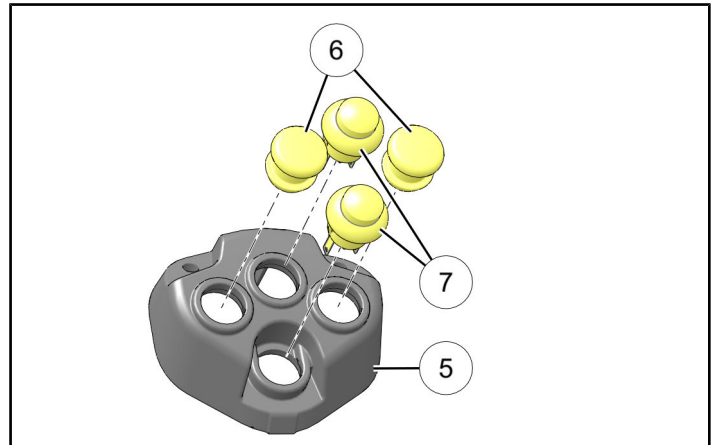
- If Plow Angle Kit, PN 2884127 (or equivalent) is installed, then install switches ⑦ into all four holes.



- If Plow Angle Kit, PN 2884127 (or equivalent) is NOT installed, then install plugs ⑥ into LEFT and RIGHT holes, and switches ⑦ into TOP (UP) and BOTTOM (DOWN) holes.

IMPORTANT

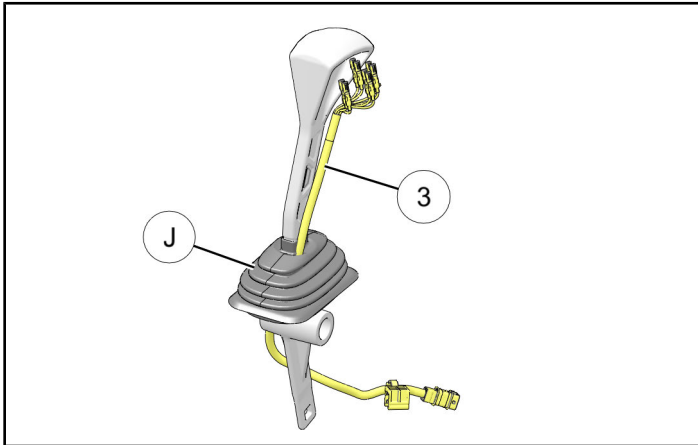
Be sure that plugs and caps are inserted into the proper holes. After a switch is installed, removal is difficult and may result in locking tab damage.



- c. Route spade terminals 3C-3F on harness ③ up through shift lever boot ①.

NOTE

See previous section, **HARNESS DETAIL**, for connector identification.

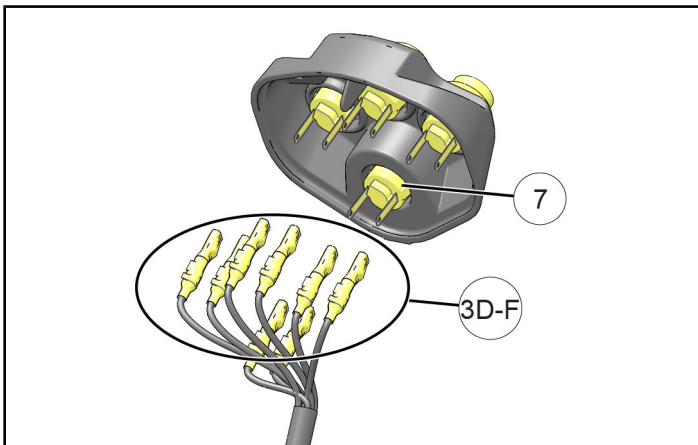


- d. Join spade terminal pairs 3D and 3F (plus 3C and 3E, if applicable) to switches ⑦. One orange/white stripe wire is routed to each switch.

If **LEFT** and **RIGHT** plow control switches are not used, then tuck spade terminal pairs 3C and 3E down into grip body.

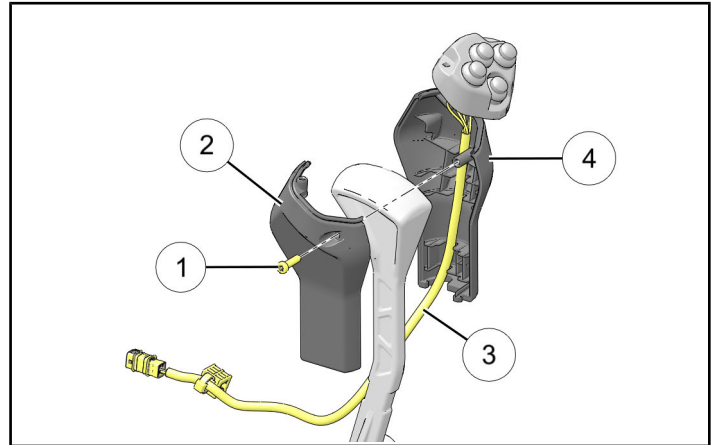
NOTE

There is no switch polarity; it does not matter how each wire pair is connected to each switch.

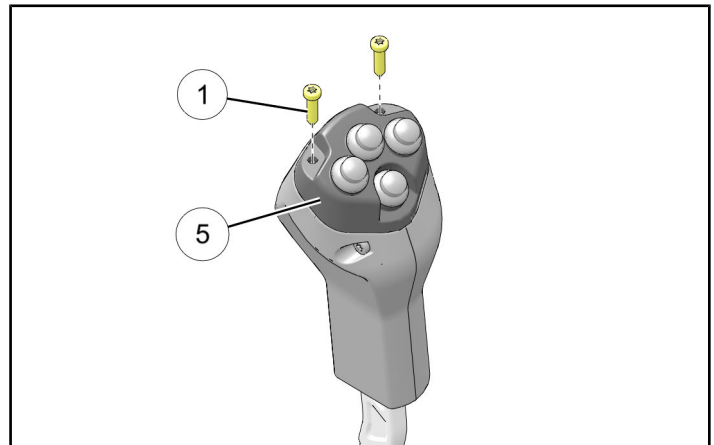


- e. Insert front harness ③ into notched portions of RH plow control grip ④.

Assemble LH plow control grip ② and RH plow control grip ④ (with harness) to shift lever until grips snap together. Secure with screw ①.



- f. Carefully pull rear harness ③ downwards, then install cap ⑤ to grip using two screws ①. Ensure harness wiring is not pinched when cap is installed.

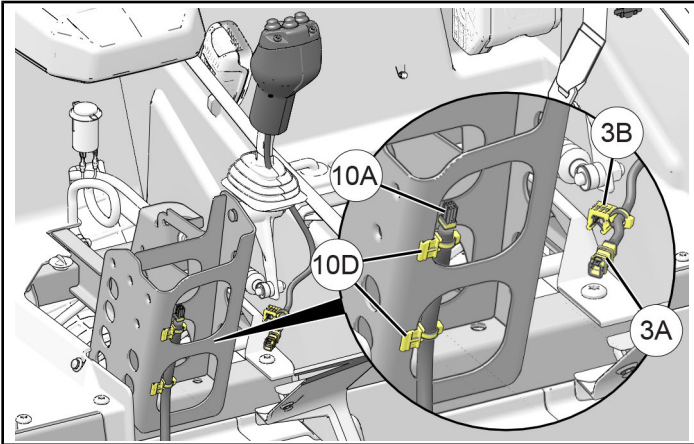


- g. Reaching through cupholders and/or lower center console opening join connector 3A on rear harness ③ to connector 10A on front harness ⑩.

Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts (including full travel of shift lever), then secure harnesses using two edge clips 10D and one edge clip 3B.

NOTE

Center console upper and RH side panels hidden for clarity.



6. Follow front harness ⑩ towards front of vehicle. Ensure routing will prevent harness contact with hot components, sharp edges, or moving parts, then secure with three cable ties ⑬.
7. Restore access.
8. Reconnect black negative (-) cable to battery, then reinstall battery access cover and seat.

FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.

FEEDBACK FORM

