

CARGO BOX LIFT KIT



P/N 2879199, 2882291

APPLICATION

Verify accessory fitment at Polaris.com.

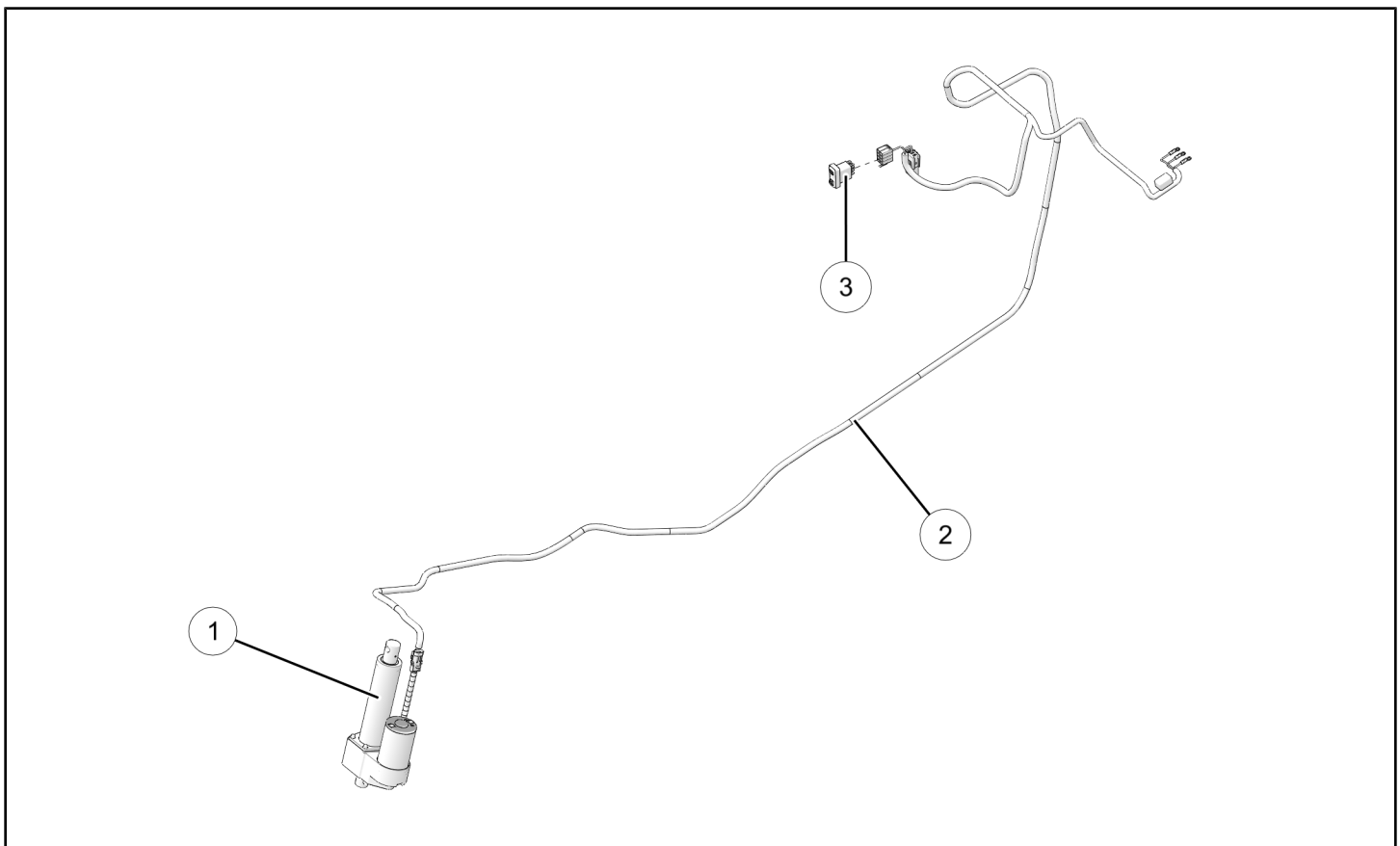
BEFORE YOU BEGIN

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 Cargo Box Lift only. Prior installation of a Battery Connection Kit is also required (PN 2879388, 2879685, or equivalent; sold separately).

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Actuator (Kit PN 2882291 only) Actuator (Kit PN 2879199 only)	4016550 4014484
2	1	Harness, Box Lift	2412467
3	1	Switch	4010634
4	10	Cable Tie, 7 inch (not shown)	7080138
	1	Instructions	9924209

TOOLS REQUIRED

- Safety Glasses
- Pliers, Push Pin Rivet
- Socket Set, Metric
- Torque Wrench
- Wrench Set, Metric
- Utility Knife/Cutting Tool
- Vehicle Lift/Support Equipment

IMPORTANT

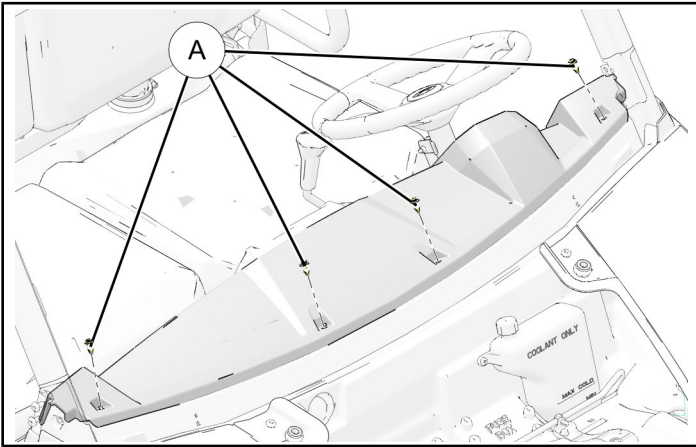
Your Cargo Box Lift Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly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

ASSEMBLY TIME

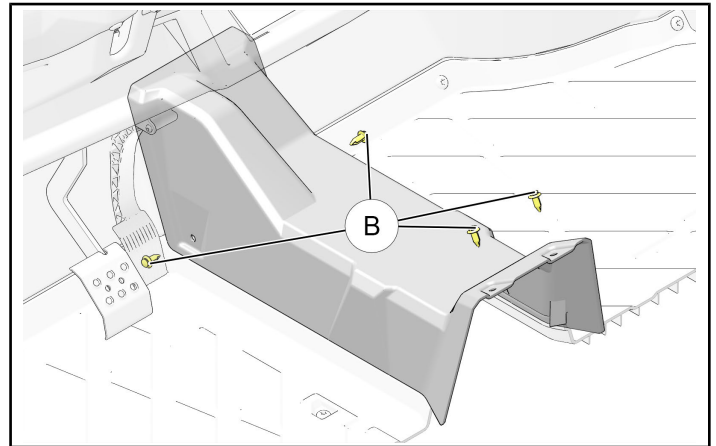
Approximately 60 minutes

INSTALLATION INSTRUCTIONS

1. Move vehicle to firm, level, and dry surface to permit safe jacking.
2. Shift vehicle transmission into "PARK". Turn key to "OFF" position and remove from vehicle.
3. Gain access.
 - a. Remove hood.
 - b. Remove or open windshield, as applicable.
 - c. Remove upper dash panel by removing four plastic push pin rivets **A** as shown. Retain rivets.



- d. Remove center floor console by removing four plastic push pin rivets **B** as shown. Retain rivets.



- e. Raise vehicle bed.
 - f. Remove seat bottom cushion and under-seat storage compartment to gain battery access.
4. Disconnect black negative (-) cable from battery.

CAUTION

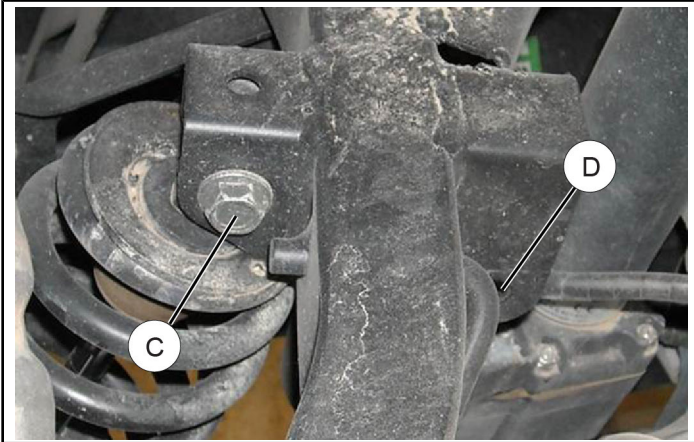
When lift assist strut is removed vehicle bed can free fall to closed position, resulting in personal injury or damage to vehicle. Secure bed in open position if wind or other factors may cause bed to close unexpectedly.

5. Remove lift assist strut and fully open bed (over-center). Retain upper and lower mounting pins and retaining clips. Strut will not be reused.
6. Remove bed locking handle/latch mechanism, plastic blocks, and springs from lower forward end of bed by removing attach bolts and nuts. Handle/latch mechanism and associated parts will not be reused.

7. Observe rear shock UPPER mounting position. If shocks are installed in OUTBOARD (heavy load) position ③, then skip to Step 8.

NOTE

View looking rearward at RH shock; installation shown in required OUTBOARD position.



Otherwise, relocate upper shock mounting position as follows:

⚠ WARNING

DO NOT USE JACK TO STABILIZE OR SUPPORT VEHICLE. Chocks must be used to stabilize vehicle prior to lifting. **Blocks** or jack stands must be used to support vehicle after lifting.

Failure to properly chock and block vehicle may allow vehicle to fall, resulting in severe injury or death.

NEVER place any part of your body under lifted vehicle without properly chocking and blocking vehicle.

- a. Securely chock front and rear sides of both front tires to prevent vehicle from moving.
- b. Following all jack instructions, raise vehicle rear frame far enough off ground to relieve suspension load. Support vehicle with blocks or jack stands designed for that purpose and which have adequate weight capacity.
- c. Remove upper shock fastener, move shock from inboard (soft ride) position ① to outboard (heavy load) position ③ as shown above, then reinstall fasteners. Torque to specification.

TORQUE

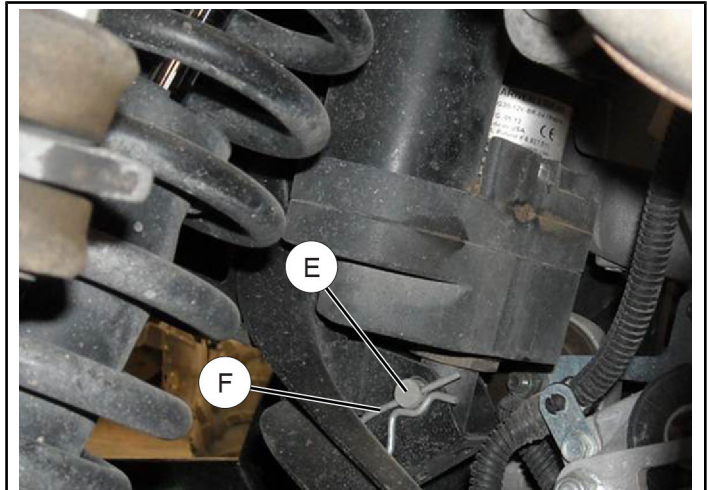
40 ft. lbs (54 Nm)

- d. Remove support equipment and lower vehicle.

8. Install LOWER end of actuator ① to chassis using one retained mounting pin ⑤ and retaining clip ⑥. Ensure proper orientation: motor should be oriented downward and on side closest to shock as shown.

NOTE

Upper end of actuator installed to bed in Step 12.



9. Install harness.

- a. Connect 2-pin end of harness ② to actuator, then route opposite end of harness up and across engine, then down into center console following main vehicle harness as shown. Route harness forward through center console, continuing to follow main vehicle harness, then proceed up to upper dash compartment.



- b. Route three harness ring terminals and circuit breaker from upper dash compartment forward through firewall grommet into under-hood compartment.

NOTE

Grommet may be temporarily removed to facilitate harness passage.

- c. Connect harness ② ring terminals to terminal block:

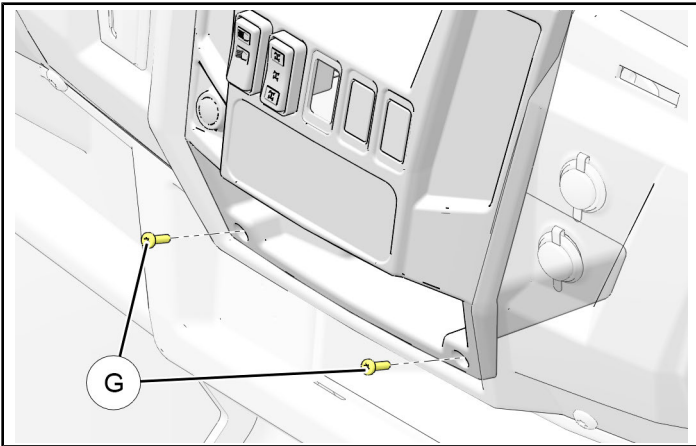
WARNING

Do NOT connect ORANGE harness wire to post with existing RED battery connection cable. Failure to properly connect ring terminals will permit actuator operation even with key ignition off, and may result in severe injury or death.

- **RED** harness wire: To post with existing RED battery connection cable (unswitched 12V POS)
- **ORANGE** harness wire: To post with existing ORANGE wire (accessory switched 12V POS)
- **BROWN** harness wire: To post with existing BLACK battery connection cable (12V NEG)

10. Install switch.

- a. Detach existing control panel by removing two screws ⑥ from lower edge of control panel as shown. Retain screws.

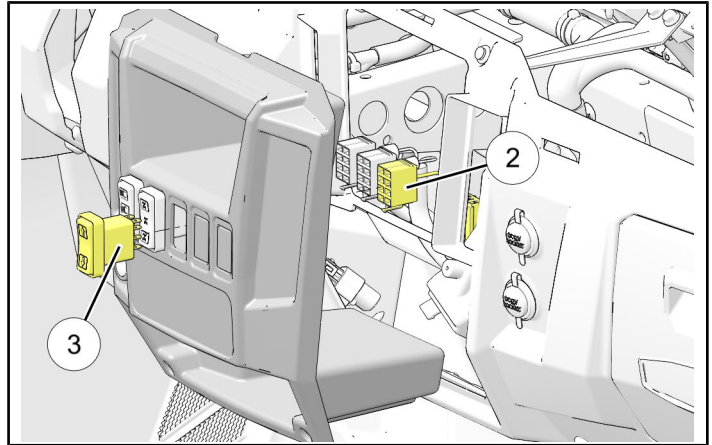


- b. Carefully pull control panel away from main dash panel. If necessary for access, label and disconnect other electrical harnesses from control panel switches.
- c. Carefully cut or remove, as applicable, one rectangular switch blank from control panel.

NOTE

Any open location may be used.

- d. Install switch ③ to control panel, then connect 8-pin end of harness ② to switch as shown.



- e. If other electrical harnesses were disconnected in step b., reconnect them now.
- f. Reinstall control panel using two retained screws ⑥.

11. Secure harnesses using cable ties ④ to prevent contact with hot components, sharp edges, or moving parts. Coil and secure excess harness length in upper dash compartment.
12. Install UPPER end of actuator ① to bed frame using remaining mounting pin ⑤ and retaining clip ⑦.
13. Reconnect black negative (-) cable to battery.
14. Turn vehicle key to "ON" position but do not start vehicle. Operate box lift incrementally, checking the following items at each increment, until full travel is achieved:
- Proper actuator/box lift operation
 - Harness secured so as to avoid tension during actuator travel
 - Harness secured so as to prevent pinching by actuator or box movement

NOTE

Actuator is equipped with an overrunning clutch and will make a loud clicking sound when full travel is reached in either direction. This is normal and does not damage the actuator.

15. Turn vehicle key to "OFF" position.
16. Restore access.
17. **CLEANING:** Remove debris regularly, cleaning actuator housing with mild soap and water. Do NOT clean actuator with a pressure washer.