



Assembly Instructions

Part Number	Description	Model	Approx. Assembly Time
KAF080-002	Hydraulic Bed Lift	MULE PRO	90 minutes

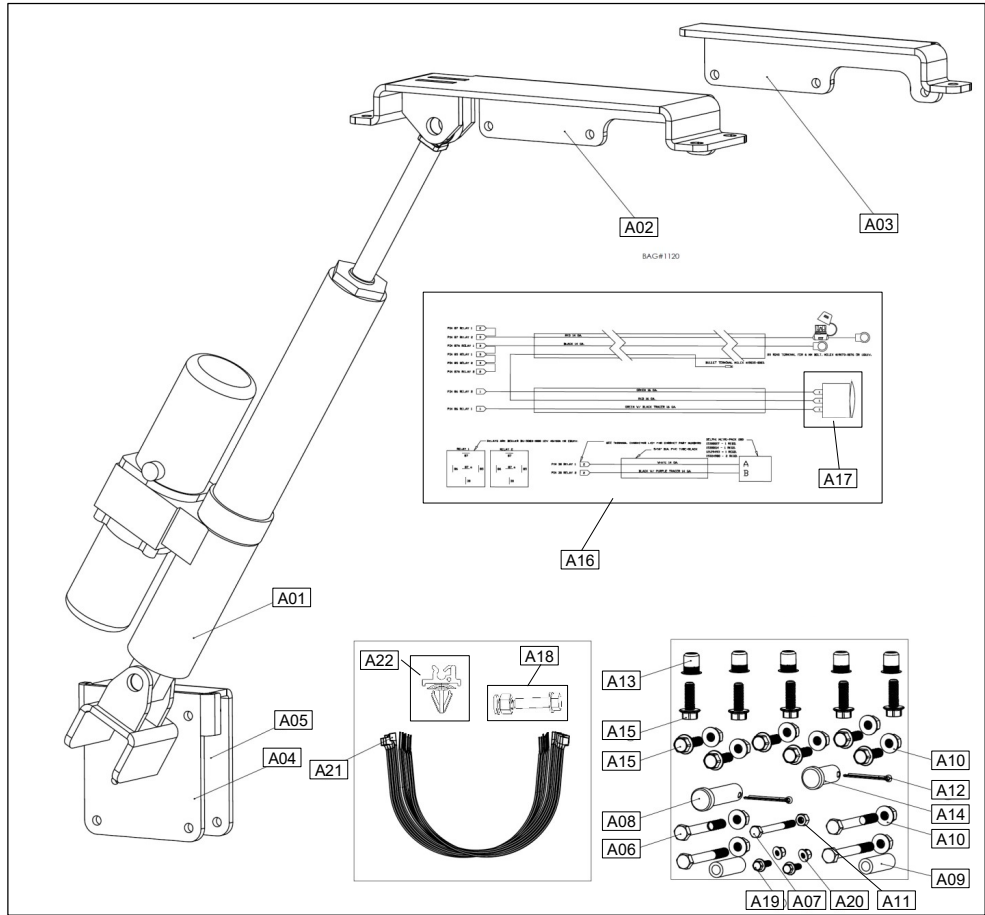
Before you begin, read through these instructions and check that all parts are present. Please note that Kawasaki cannot assume any responsibility for damage resulting from incorrect installation.

Kawasaki recommends that this accessory kit should be fitted by an authorized Kawasaki dealer.

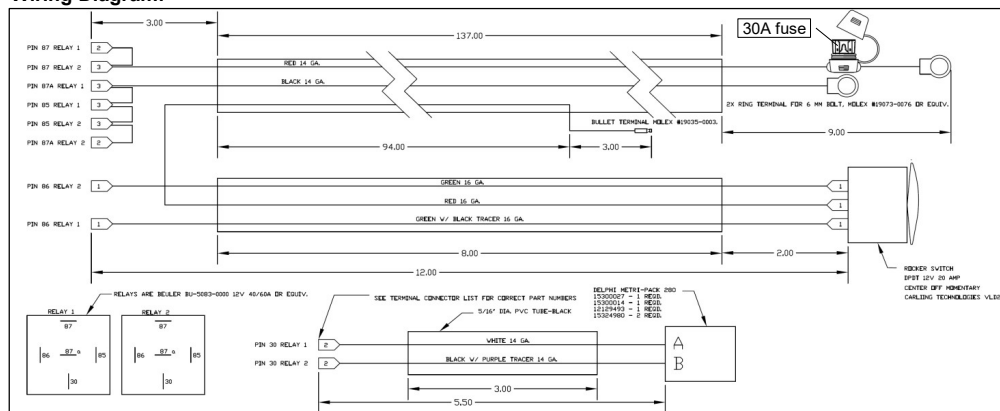
Parts List:

Ref. #	Description	Qty
A01	Hydraulic Pump	1
A02	Bracket, Upper Left	1
A03	Bracket, Upper Right	1
A04	Bracket, Lower Outer	1
A05	Bracket, Lower Inner	1
A06	8mm x 65mm Bolt	4
A07	6mm x 60mm Bolt	1
A08	Clevis Pin, 2"	1
A09	Bushing	2
A10	8mm Locking Flange Nut	10
A11	6mm Locknut	1
A12	Cotter Pin	2
A13	8mm Pop Nut	5
A14	Clevis Pin 1.50"	1
A15	8mm x 25 mm Flanged Bolt	11
A16	Wire Harness	1
A17	Switch	1
A18	Pop Nut Installation Tool	1
A19	5 mm x 15 mm Flanged Bolt	2
A20	5 mm Locking Flanged Nut	2
A21	Wire Tie, 12"	18
A22	Brake Line Clamp	1

Parts Diagram:

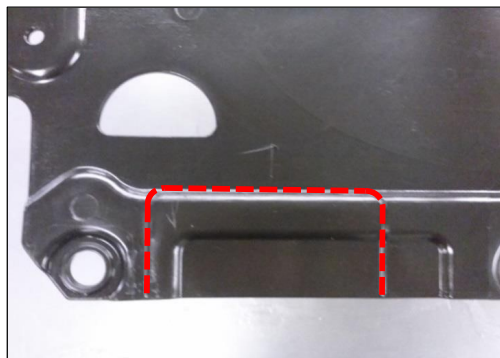


Wiring Diagram:

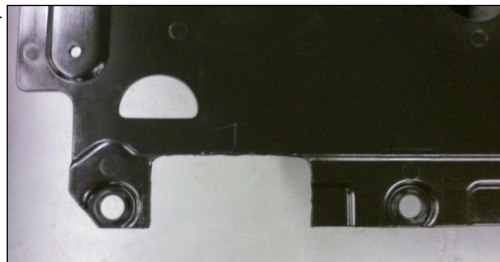


Installation Instructions:

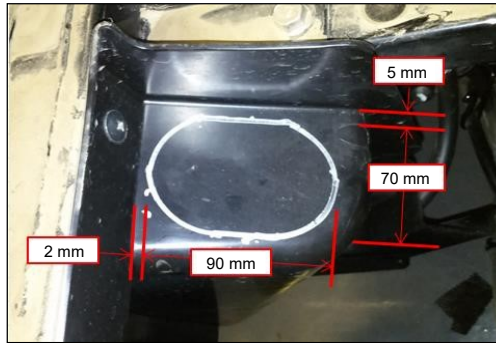
1. Park the vehicle on level ground, set the parking brake, turn off the ignition switch.
2. Disconnect the negative battery cable.
3. Tilt the bed. Pull the supporting rod out of its clip and attach the curved of the supporting rod into the bar of the ROPS to support the cargo bed.
4. Remove the rear skid plate. Locate the pre-marked trimming location on the left rear corner of the skid plate.



5. Trim the pre-marked location with a dremel or similar tool.



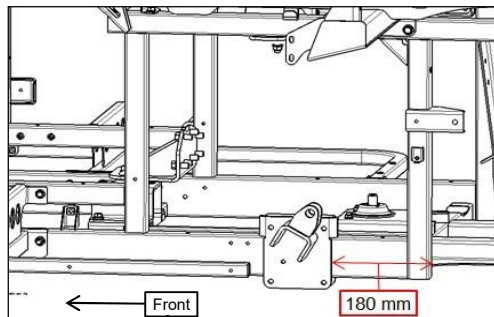
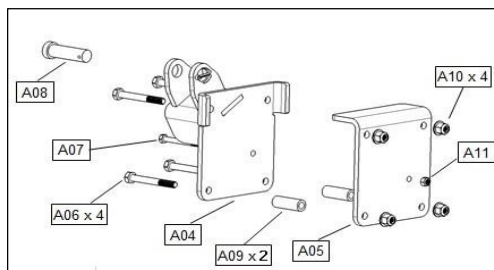
6. Mark and trim an oval shaped cut out in the left rear mud guard using a dremel or similar tool as shown.



7. Remove the original brake hose clamp and replace with the provided brake hose clamp (A22).



8. Install the lower outer bracket (A04) and lower inner bracket (A05) to the vehicle frame using four 8 mm x 65mm bolts (A06) and four 8mm locking flange nuts (A10) as shown.



9. Install the upper left bracket (A02) to the under side of the cargo bed.

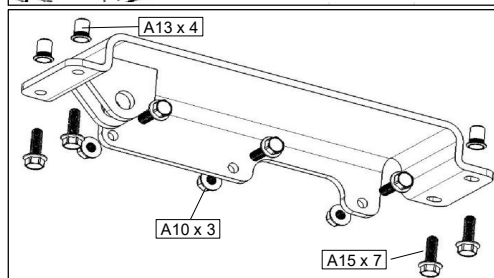
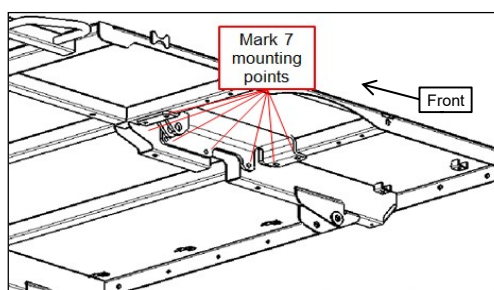
a. Using the bracket as a template, hold the bracket firmly in place at the location shown and mark the seven mounting locations with a suitable marker. Set the bracket aside. (Drilling locations are critical to bracket fit, mark carefully, use a center punch to accurately mark the hole center.)

b. Drill a pilot hole in the vertical four mounting points with a 6.5 mm (1/4") drill bit. Re-drill the four pilot holes with a 13.5 mm (17/32") drill bit.

c. Drill a pilot hole in the horizontal three mounting points with a 6.5 mm (1/4") drill bit. Re-drill the three pilot holes with a 8.75 mm (11/32") drill bit.

d. Install four 8 mm pop nuts (A13) to the vertical four mounting points using the pop nut tool as shown Fig. 1.

e. Install the bracket to the seven mounting locations using seven 8 mm x 25 mm flanged bolts (A15) and three 8mm locking flange nuts (A10) as shown.



10. Install the upper right bracket (A03) to the under side of the cargo bed.

a. Using the bracket as a template, hold the bracket firmly in place at the location shown and mark the four mounting locations with a suitable marker. Set the bracket aside. (Drilling locations are critical to bracket fit, mark carefully, use a center punch to accurately mark the hole center.)

b. Drill a pilot hole in the vertical mounting point with a 6.5 mm (1/4") drill bit. Re-drill the pilot hole with a 13.5 mm (17/32") drill bit.

c. Drill a pilot hole in the horizontal three mounting points with a 6.5 mm (1/4") drill bit. Re-drill the three pilot holes with a 8.75 mm (11/32") drill bit.

d. Install one 8 mm pop nut (A13) to the vertical mounting point using the pop nut tool as shown Fig.1.

e. Install the bracket to the four mounting locations using four 8 mm x 25 mm flanged bolts (A15) and three 8mm locking flange nuts (A10).

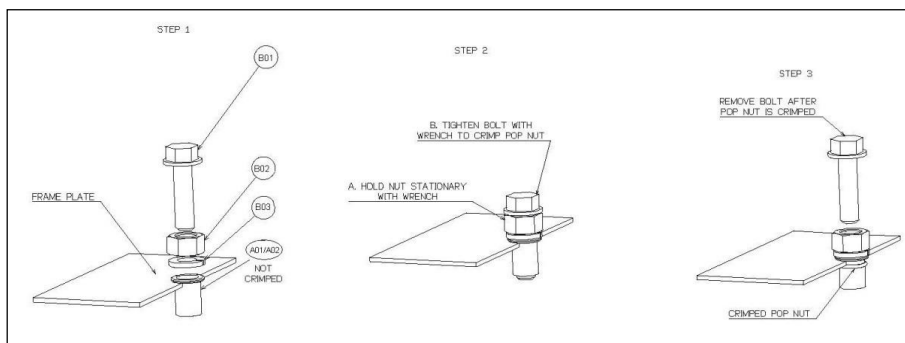
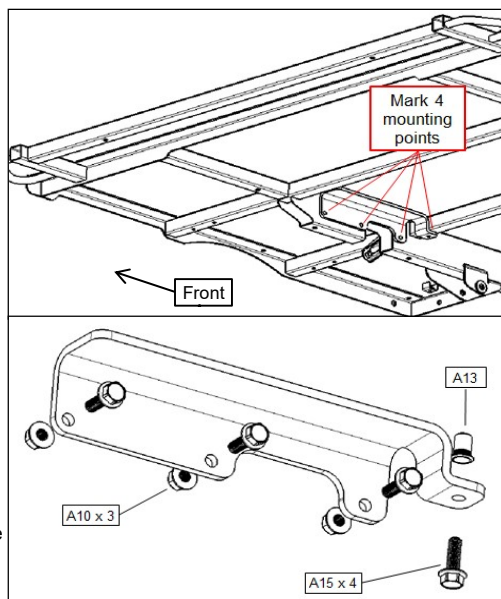


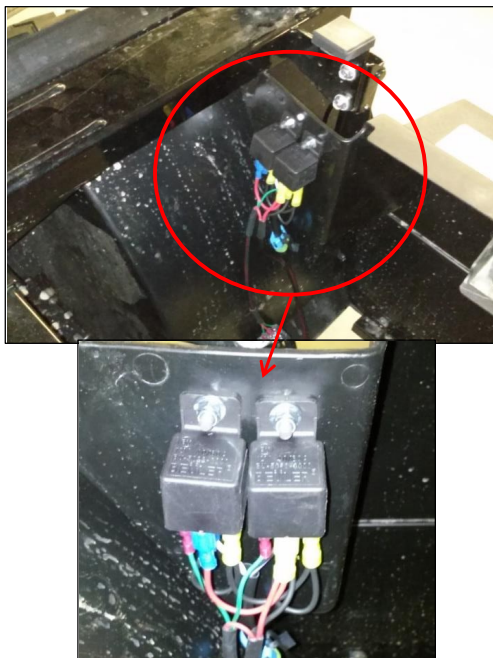
Fig. 1.

11. Install the hydraulic pump to the upper and lower mounts with the motor/reservoir forward using the 2" clevis pin (A08) on the lower and the 1.50" clevis pin (A14) on the upper. Secure each clevis pin with a cotter pin (A12)

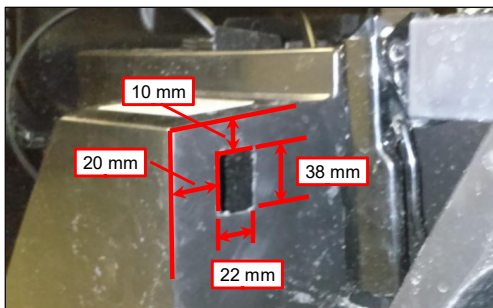
12. Install the wire harness.

a. Use the two relays as a template to mark the mounting points. Drill the two locations with a 6 mm (15/64") drill bit.

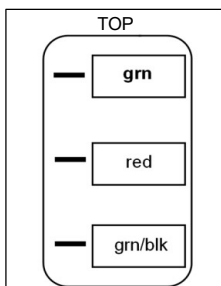
b. Install the two relays using two 5 mm x 15 mm flanged bolts (A19) and two 5 mm locking flanged nuts (A20).



c. Using a dremel or similar tool, cut a hole in the side panel 38 mm (1.5") tall and 22 mm (.875") wide. Insert the switch (A17) in the hole.



d. Plug in the switch wires as shown.

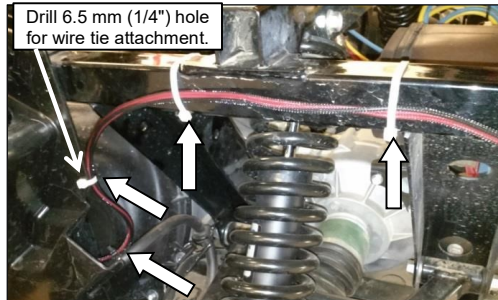


e. Plug the pump connector to the matching connector on the wire harness.

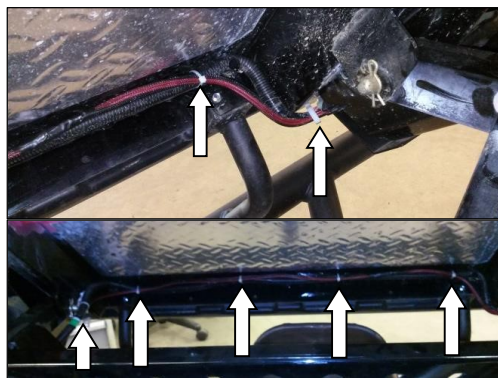
f. Route the wire harness to the inside of the pump, secure the pump wire and wire harness to the pump body with a wire tie.



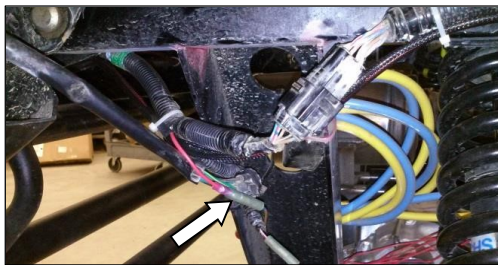
g. Route the wire harness rearwards, attaching with wire ties at the locations shown.



h. Route the harness along the same path as the tail light wire harness. Secure to the tail light harness with wire ties at the locations shown.



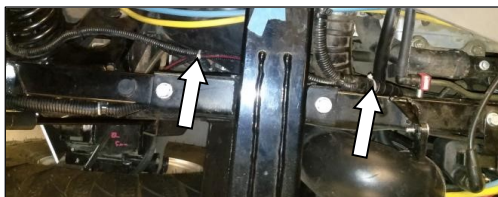
i. Plug in the red wire with a male bullet connector to the brown wire of the vehicle located just forward of the right tail light.



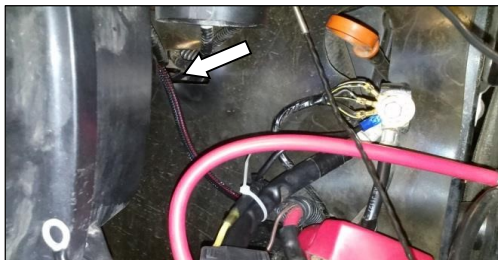
j. Continue along the path of the stock wire harness. Secure to the stock harness with wire ties at the locations shown.



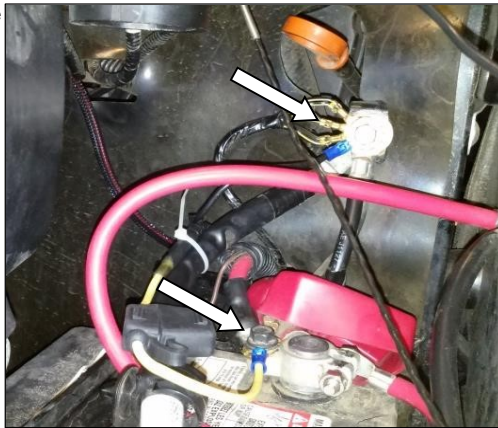
k. Route the harness inboard of the main frame rail, following the path of the stock wire harness towards the battery compartment. Secure with wire ties at the locations shown.



l. Route the harness through the existing hole in the rubber barrier in to the battery compartment.



m. Attach the fused wire to the positive terminal of the battery. Attach the black wire to the common frame ground.



13. Re-connect the negative battery cable.

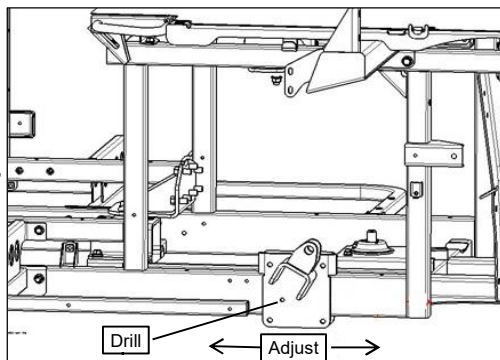
14. Retract the supporting rod and push it into its clip.

15. Carefully check the function of the bed lift. Cycle the lift to its upper and lower limits. At the lower limit, the bed should slightly compress the rubber dampers between the bed and the frame.

16. If adjustment is required, loosen the lower bracket and slide the bracket forwards or rearwards until slight contact with the rubber dampers is achieved. Retighten the lower bracket hardware.

17. Drill the location shown with a 6.5 mm (1/4") drill bit, through the outer and inner frame tube walls to the back side of the bracket.

18. Install one 6 mm x 60 mm bolt (A07) through the previously drilled hole and secure on the back side with one 6 mm Locknut (A11).



19. Torque the four 8 mm x 65 mm bolts (A06) and 8 mm locking flanged nuts (A10) on the lower bracket to 44 N-m (32.8 ft-lb).

20. Re-install the skid plate.

Please check / adjust all screws in regular intervals.

NOTE: Always latch the bed after using the hydraulic bed lift. Always unlatch the bed before using the hydraulic bed lift.

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