

### KWI CLUTCH PACKAGE INSTALL

VERSION: 1.0

DATE: 2026/06/4

The following document describes the standard operating procedures for installing the Speed UTV KWI Clutch Package.

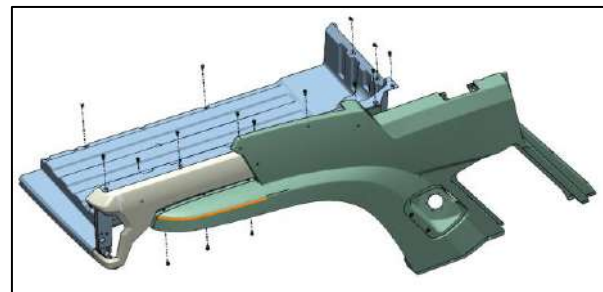
TOOLS REQUIRED	
<ul style="list-style-type: none"><li>○ Torque Wrench</li><li>○ Clutch Puller</li><li>○ T60 Socket</li><li>○ 2.5mm Allen</li><li>○ 5mm Allen</li><li>○ 7mm Socket</li><li>○ 8mm Socket</li><li>○ 10mm Socket</li><li>○ 11mm Socket</li><li>○ 12mm Socket</li><li>○ 13mm Socket</li></ul>	<ul style="list-style-type: none"><li>○ 13mm Wrench</li><li>○ 14mm Wrench</li><li>○ 15mm Socket</li><li>○ 19mm Socket</li><li>○ 19 mm Wrench</li><li>○ Impact</li><li>○ Red Grease</li><li>○ Prybar</li><li>○ 10mm Drill Bit</li></ul>

## 1. Removing Bed and Old Ducting

### STEP 1:

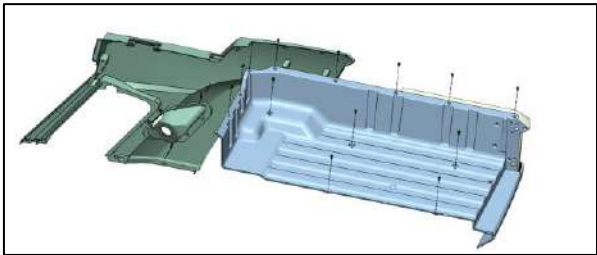
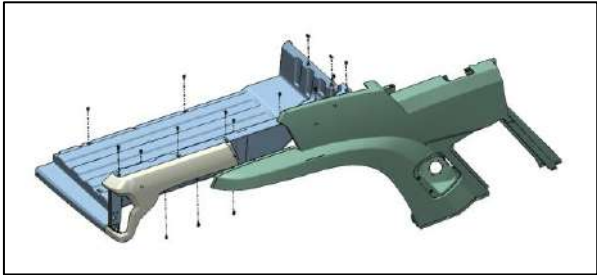
Remove bed and taillights using a 5mm allen. Make sure to disconnect taillights, camera and cut any zip ties.





NOTE: Do not remove the rear fenders, you will be sliding the bed back and out from the rear fenders.

As shown in pictures



**STEP 2:**

Loosen hose clamps on ducting cross member using a 7mm socket.





**STEP 3:**

Remove rubber ducting adapter and CVT Y-pipe, using a 7mm socket to loosen hose clamps.









**STEP 4:**

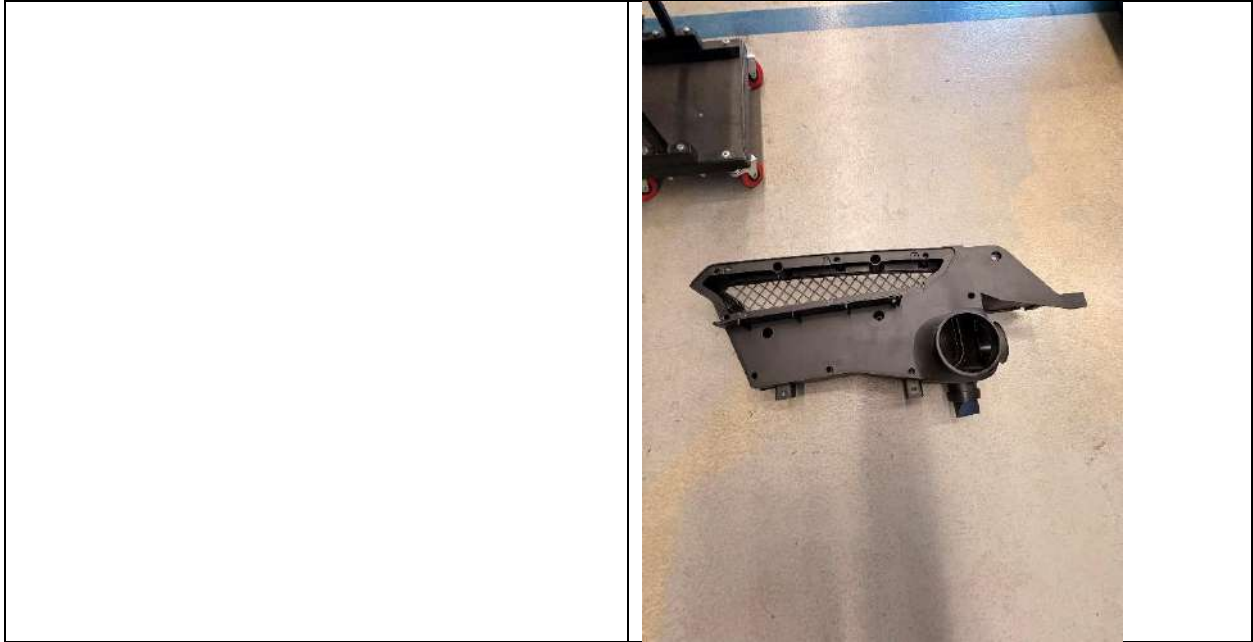
Remove filter from air filter body using a 2.5mm allen.



**STEP 5:**

Remove air filter body using a 5mm allen





## 2. Removing Old Clutch Package

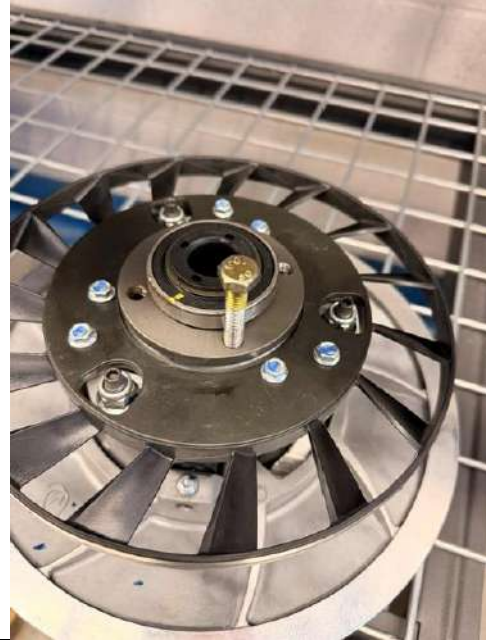
**STEP 6:**  
Remove Clutch Cover  
-Three Latches



**STEP 7:**

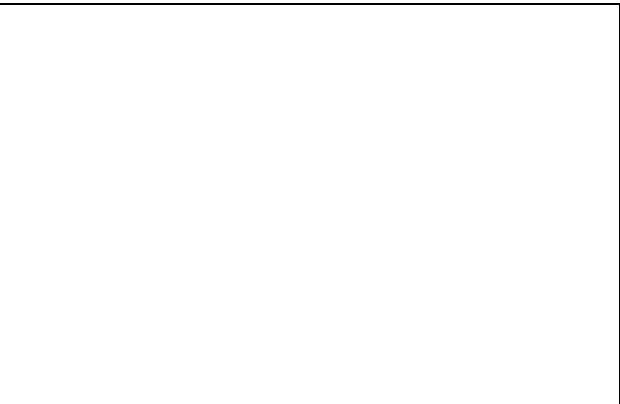
**NEW STYLE:** Relieve tension on the secondary clutch by threading a bolt into the plate on the secondary clutch. Make sure the hole does not line up with a hole on the second plate.

**OLD STYLE:** Use a prybar to disengage the secondary clutch and remove the belt.



**STEP 8:**

Remove CVT belt.



**STEP 9:**

Remove secondary clutch using a 19mm socket.



**STEP 10:**

Remove primary clutch using T60 socket with an extension or move shock for easier access.



**STEP 11:**

Bolt the clutch puller into the primary clutch with an impact until you hear a loud pop (release of pressure).



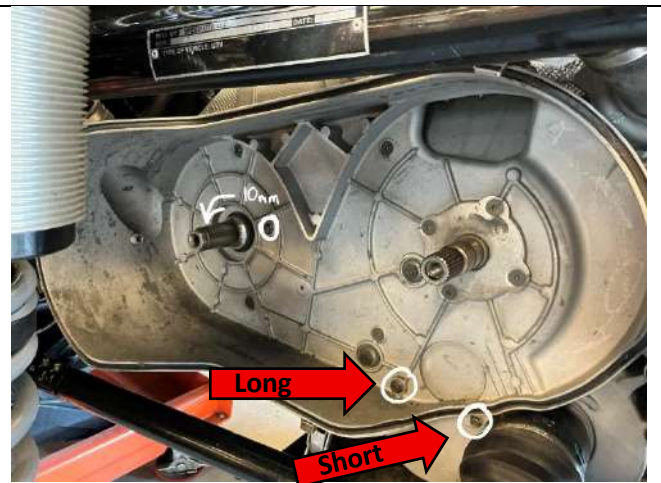
**STEP 12:**

Remove eight bolts with a 5mm allen.



**STEP 13:**

Remove four bolts with a 10mm socket, make sure to **keep track of the bolt lengths**. (When reassembling make sure to put each bolt back into its original hole).



**STEP 14:**

Remove two bolts with a 10mm socket at the rear of the car (near the exhaust), attaching the clutch case to the frame.





**STEP 15:**

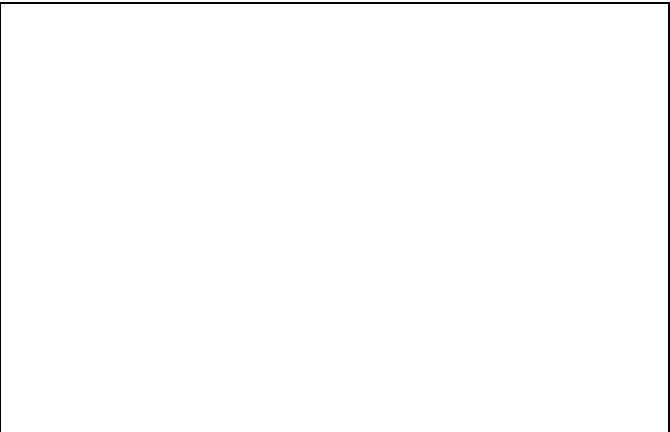
Remove one bolt with a 15mm socket. Then reinstall the bolt from the passenger side to keep engine/trans alignment.





**STEP 16:**

Repeat step 15 for the second bolt



**STEP 17:**

Remove clutch case leaving bolts in place.



### 3. New Ducting Install

**STEP 18:**

Assemble new air filter body using a 2.5mm allen.



**STEP 19:**

Install filter onto air filter body using a 5mm allen.



**STEP 20:**

Install air filter body onto vehicle





**STEP 21:**

Reinstall filter using a 2.5 allen.



**STEP 22:**

Reuse a speed nut from the old air filter body and install onto the new body.



**STEP 23:**

Tighten hose clamps using a 7mm socket.



**STEP 24:**

Install primary and secondary ducting and tighten hose clamps with a 7mm socket.



**STEP 25:**

Install secondary ducting and tighten hose clamps with a 7mm socket.



**STEP 26:**

Install intake adapter onto ducting crossmember.



**STEP 27:**

Install ducting crossmember and tighten hose clamps with a 7mm socket.





#### 4. Exhaust Removal

**STEP 28:**

Remove the exhaust pipe by loosening the two clamps using an 11mm socket.



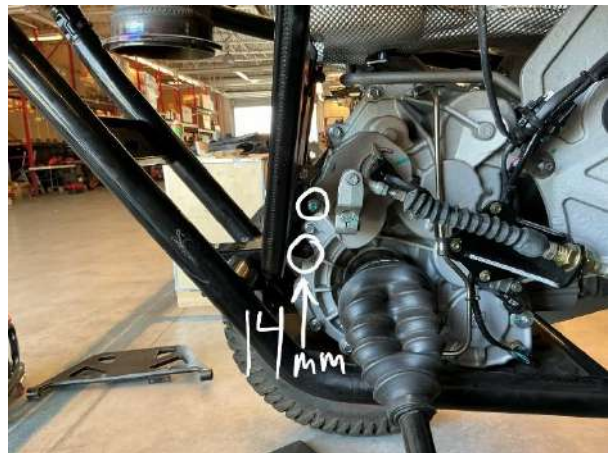
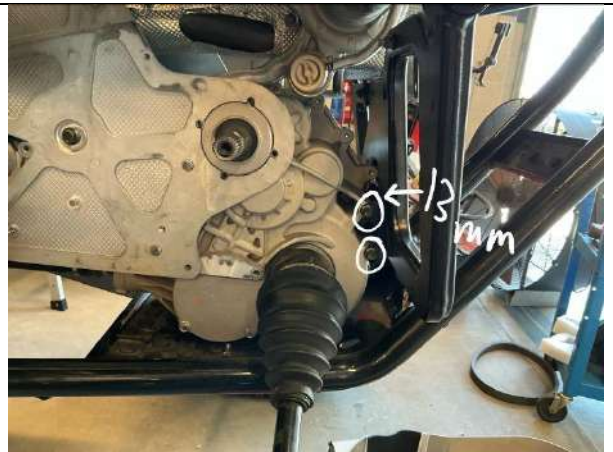
**STEP 29:**

Remove the bolts mounting the muffler using a 13mm socket and then remove the muffler.

## 5. Removing Rear Cross Member

**STEP 30:**

Unbolt the two transmission bolts using a 13mm socket and a 14mm wrench.



**STEP 31:**

Unbolt turbo mounting bracket using a 10mm socket and a 13mm wrench.



**STEP 32:**

Unbolt the top two bolts with a 19mm socket and a 19mm wrench. Then remove rear support cradle.





## 6. New Clutch Case Install

### STEP 33:

Install O-Ring with red grease into back intake plate



**STEP 34:**

Install back intake plate onto clutch case with 7 M6 bolts using a 5mm Allen and blue Loctite.



**STEP 35:**

Install clutch case and reinstall main tie bolts one at a time to keep alignment and torque to 85 ft-lbs. Then install any remaining hardware in their correct locations.



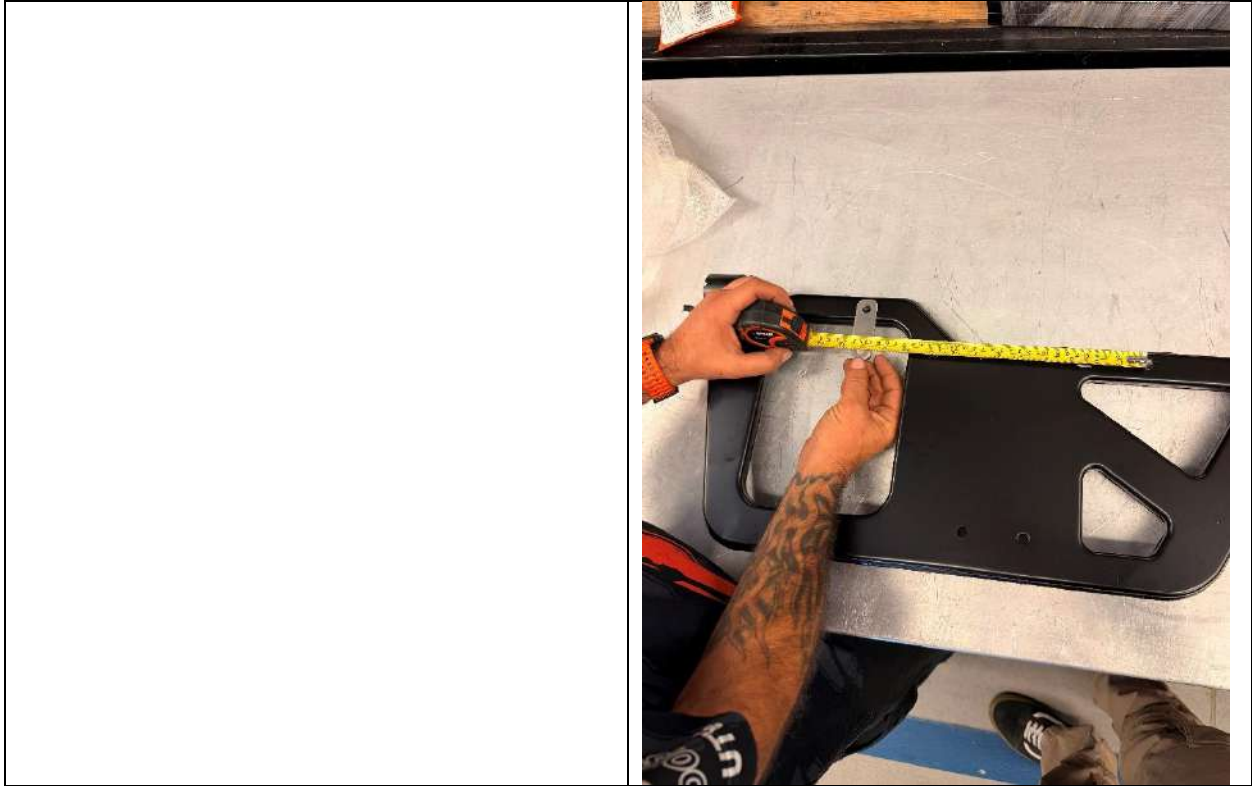


**STEP 36:**

Drill a 10mm hole 12 inches from the other exhaust mounting hole. Make sure to measure from the center of the holes.

Install new driver side exhaust mounting plate





## 7. Rear Plate and Exhaust Install

### STEP 37:

Install two top mounting bolts using a 19mm socket and wrench for both bolt and nut side. Torque to 85 ft-lbs.

Note: The order of the washers on the bolt in the second picture-2 washers on bolt head, 1 on nut.





**STEP 38:**

Install two transmission mounting bolts using a 13mm socket for bolt head and 14mm wrench for the nut.

**NOTE: WHEN INSTALLING TRANSMISSION BOLTS INSERT BOLT FROM PASSENGER SIDE.**

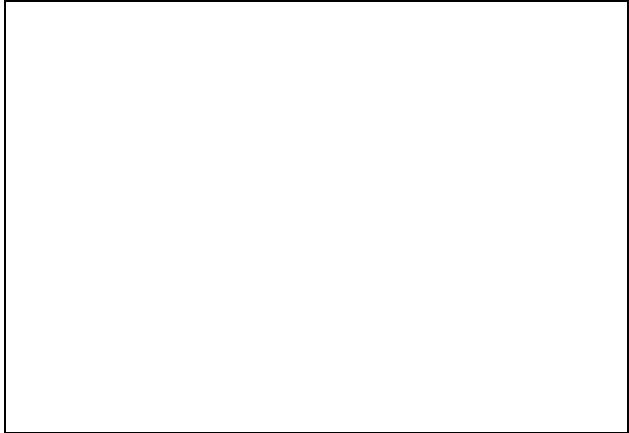
-This is reversed from original orientation.



**STEP 39:**

Bolt mounting bracket to cross member using a 10mm socket and 13mm wrench.

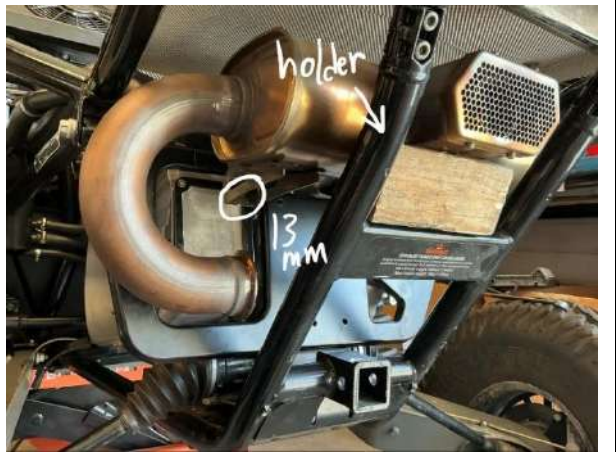




**STEP 40:**

1. Place muffler in its spot and thread passenger mount bolt partially in to maintain alignment.
2. Then use an object to prop up center of the muffler to bolt in the second mounting bolt.
3. Tighten bolts using a 13mm socket.

**NOTE: MAKE SURE TO USE NEW MUFFLER MOUNTING BOLT FOR DRIVER SIDE, INCLUDED IN PACKAGE**



**STEP 41:**

Install exhaust pipe and tighten exhaust clamps with an 11mm socket.



## 8. Primary and Secondary Clutch Install

**STEP 42:**

Clean both primary and secondary clutch shaft using paper towels and a cleaning solution such as acetone, brake cleaner, isopropyl alcohol, etc.

As well as the center sleeve on the primary clutch and the inside faces on the clutch that come in contact with the belt.



**STEP 43:**

Grease the splines on **the secondary shaft only** with red grease.



**STEP 44:**

Wipe the primary clutch mounting bolt with a paper towel and then slide the new oversized washer onto the bolt. Then apply a light coating of anti-size to the threads of the bolt.



### STEP 45:

Install primary clutch with its mounting bolt and then torque it down to 90 ft-lbs using a T60 socket with an extension and a torque wrench.

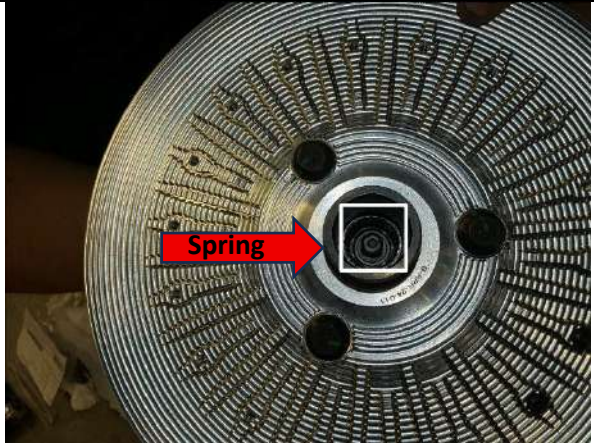
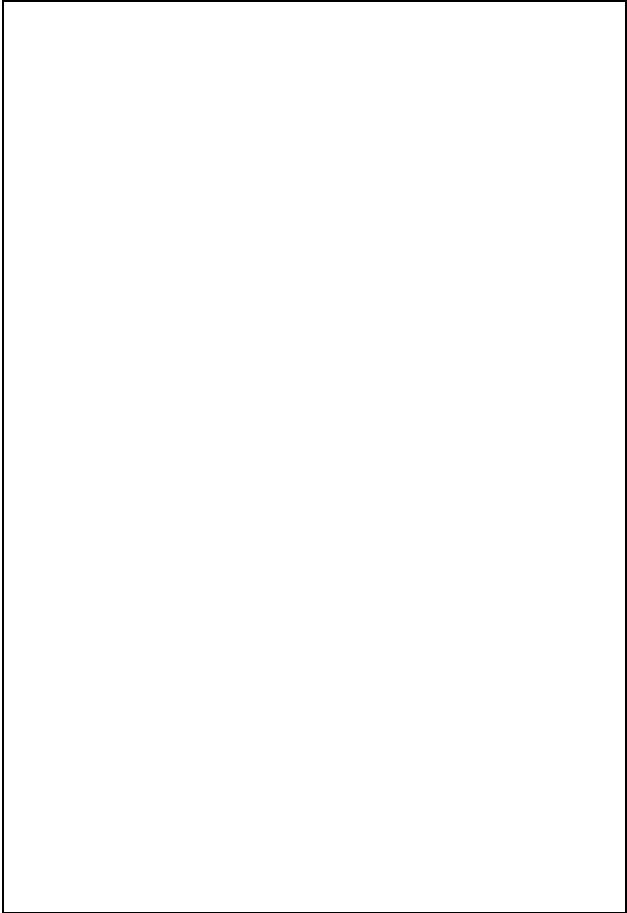
Note: When tightening the primary clutch, you should hear small popping sounds from the clutch, which means you cleaned the clutch properly.



### STEP 46:

1. Apply a light coating of anti-seize to the threads of the secondary clutch mounting bolt.
2. Then put the bolt through the secondary clutch while it's off the car.
3. Flip the clutch over and slide the small spring down the center sleeve of the clutch and around the bolt. Make sure the spring is seated evenly around the bolt.
4. Then install the secondary clutch and torque the bolt to 65 ft-lbs.





**STEP 47:**

To make sure you install the spring and secondary clutch properly. Push the outside of the clutch toward the car, if installed properly the clutch should spring back toward you.



**STEP 48:**

Relieve the tension in the secondary clutch by threading the bolt into the plate on the clutch as seen in the picture.

**NOTE: MAKE SURE THAT THE HOLES ON THE PLATE AND CLUTCH DO NOT LINE UP**



**STEP 49:**

Once the tension in the secondary clutch is relieved install the CVT belt on both the primary and secondary clutches.

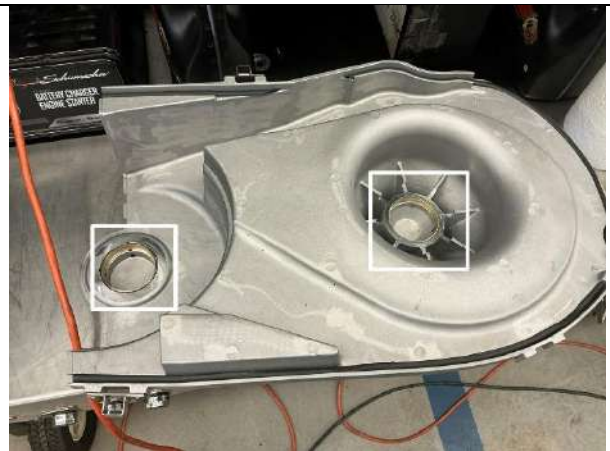
Then install the black plastic cover into the clutch case.

**NOTE: MAKE SURE TO TAKE THE BOTTOM BLACK PLASTIC COVER OUT OF THE CLUTCH CASE BEFORE INSTALLING THE CVT BELT**



### STEP 50:

1. Once the belt is installed remove the bolt relieve the tension from the secondary clutch.
2. Then spin the secondary clutch by hand so that the CVT belt will adjust to its proper position.



### STEP 51:

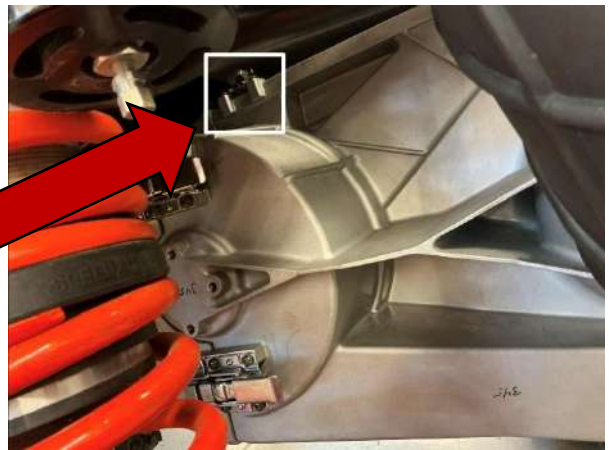
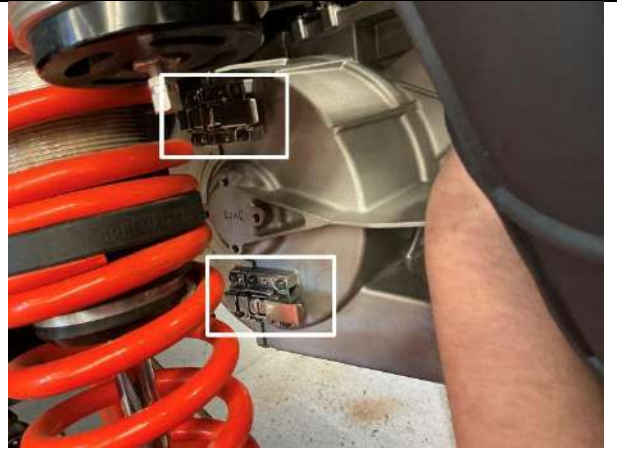
1. Install the clutch cover by putting the small piece on first and latching the front most latch.
2. Then put the second piece on and connect the two pieces together with the two latches facing the shock.
3. Then make sure the rest of the cover is seated properly and latch the two remaining latches.

### NOTE:

**MAKE SURE YOU HAVE THE CORRECT CLUTCH COVER, THE BUSHINGS ON THE INSIDE OF THE COVER SHOULD SIT FLUSH IN THEIR SPOT. THEY SHOULD NOT STICK OUT**



THE TOP LATCH WILL NOT BE ABLE TO LATCH.



**STEP 52:**

Connect the hose to the side of the clutch cover and tighten the hose clamp.



**STEP 53:**

Install the bed using a 5mm allen.

Make sure to reconnect taillights and camera if the vehicle has one.



