

JEEP JK AUTO TRANS. ATLAS T/C CABLE SHIFTER UPDATE KIT

KIT CONSISTS OF:

No.	Qty	Part No.	Description
1	4	303081	BUSHING- IGUS 1/2 X 1/2
2	2	303335	LEVER- CABLE SHIFTER
3	1	303336	KNOB- CABLE FRONT
4	1	303337	KNOB- CABLE REAR
5	4	303339	BOLT- 1/4 -28 x .75 F.H.C.S.
6	2	303341	BOLT- 1/4 -28 X 5/8 B.H.C.S.
7	2	303351	BOLT 3/8-16 X 1 3/4 LHSCS
8	1	42R600	BRACKET -JK SHIFT BASE PLATE
9	1	42R601	BRACKET - PIVOT MOUNT
10	1	42R603	LEVER- JK PASSENGER
11	1	42R604	LEVER- JK STRAIGHT FOR ATLAS SHIFTER
12	1	42R608	BARREL-CABLE
13	1	42R609	SPRING- WAVE
14	1	42R610	RETAINER- CABLE BARREL
15	1	42R611	SHAFT-JK PIVOT
16	1	42R612	CABLE SUPPORT BRKT
17	8	42R616	BOLT- 1/4 -20 X 5/16 B.H.C.S.
18	2	42R617	BOLT- 1/4 -20 X 3/8 B.H.C.S. plain
19	1	42R618	BOLT- 5/16 -18 X 3.25 H.H.C.S.
20	2	722523	1/4 USS FLAT WASHER PLTD.
21	1	723141	5/16 -18 NYLOC HEX NUT
22	1	726203	5/8 -18 HEX JAM NUT

This kit is an linkage upgrade kit for the Jeep JK's. We redesigned the shifters and the mounting for the Atlas JK in September 2016. The kit is a integrated fit to the JK floorboard and allowing a better feel when shifting the Atlas. We also changed the knob design as well as the locations of the handles for better leverage.

This kit does not require anything to be done under the vehicle on the Atlas. It retains the cables that you currently have and just requires you to remove the stock console for access to the Atlas linkage.

For stock console removal see: <http://www.advanceadapters.com/products/303008--jk-atlas-cable-shifter/>

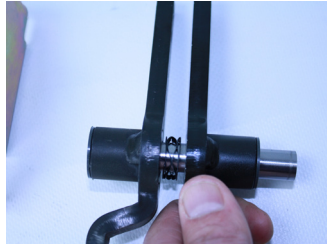
SPECIAL NOTE: The components packaged in this kit have been assembled and machined for specific type of conversions. Modifications to any of the components will void any possible warranty or return privileges. If you do not fully understand modifications or changes that will be required to complete your conversion, we strongly recommend that you contact our sales department for more information. This instruction sheet is only to be used for the assembly of Advance Adapter components. We recommend that a service manual pertaining to your vehicle be obtained for specific torque values, wiring diagrams and other related equipment. These manuals are normally available at automotive dealerships and parts stores.

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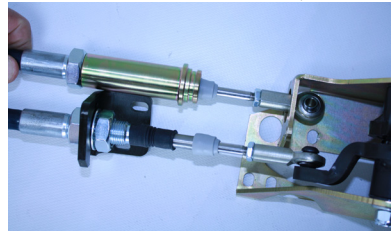
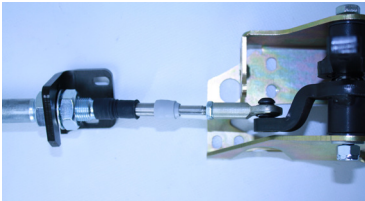
1. Place the two supplied 1/4" washers on driver's rear mounting stud.
2. Install the shifter base plate over the mounting studs and secure using the 4 OEM nuts.
3. Assemble the shifter base and handles.



3A. Install the Igus bushings in both of the handle bases, place the bushing on a flat surface while holding the handle in-line with the bore. Use a hammer and tap the handle into the bushing, flip the handle over and do the same on the other side.



3B. Once the bushings are installed, you will need to install the pivot shaft with the wave washer between the two handles. Install these into the JK shifter box and secure with the 5/16 bolt, washer and nut.

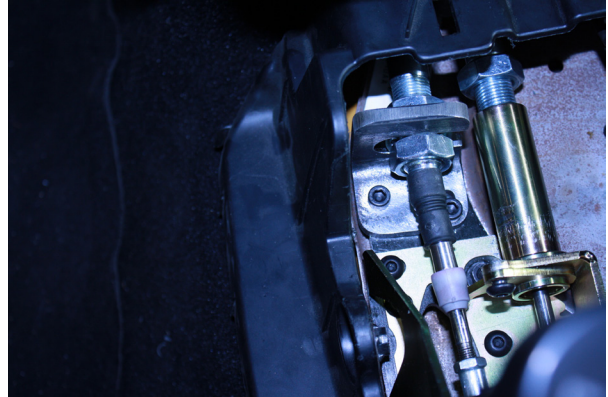
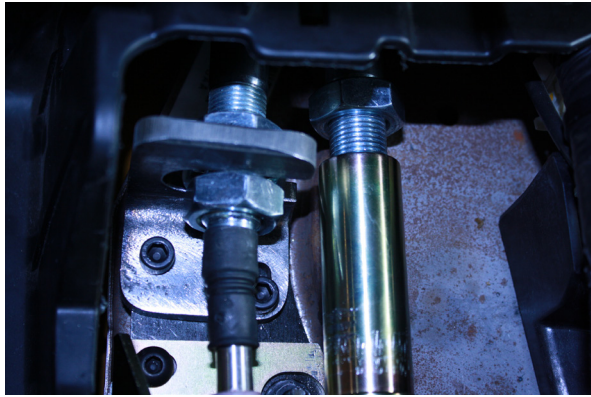


3C. You should verify that the cable on the right (passengers side) is connected to the rear shift rod of the Atlas and the left cable is connected to the front shift rail of the Atlas.

We use two different cable connections at the box, The front cable control uses the two jam nuts on the cable, these can be installed onto the cable support bracket. The rod end should be installed onto the cable end until they bottom out and tighten the jam nuts and then fastened to the shifter handle base. The rear cable uses one of our cable barrels. Remove one of the 5/8" nuts and the star washer from the cable. Install the barrel and then the rod end on to the cable fastening it to the shifter handle. The barrel is retained with a retaining clip and a 1/4" bolt. Leave these finger tight as they will need to be adjusted once this assembly is bolted to the new shifter base plate.

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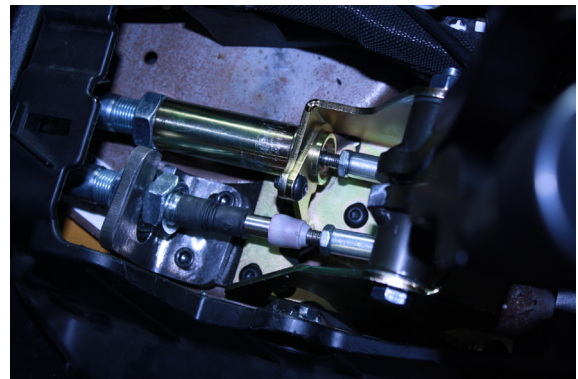
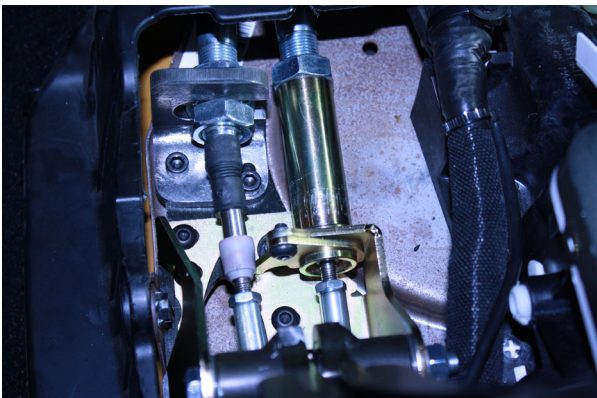


Mount the cable support bracket and the shifter housing to the base plate using the 1/4" screws. The cables will now need to be adjusted to allow the Atlas to shift properly. The adjustments on the rear cable are done by spinning the cable barrel. Back off the 5/8" jam nut and make sure the retaining clip is finger tight. Spinning the barrel by hand or with a pair of pliers, you should see the handle move forward or backward. The ideal location is straight up out of the console or a 90 degree angle from the cables. Once that handle is set lock down the jam nut and retainer clip.

The front cable gets adjusted by moving the jam nuts on the support bracket, adjust these to line the handle along side the rear that you just finished.

Bolt on the upper handles and knobs to test shift the unit and to make sure all gear options are obtainable. The rear handle should be shifted first and pushed forward which would be 2WD high, the front can be shifted next pushing forward to obtain 4WD high. (Note the Atlas is a Synchronized unit and it may require you to spin a tire if on a lift or move the vehicle slightly to align the synchronizers in the case). Once in 4WD high, the front handle **MUST** be pulled back into neutral first and then the rear can be shifted to neutral and continued through into low. Once the rear is in low then the front should be test shifted into low. If you want to double check the gear engagement on your shifting, make sure you have the Atlas fully installed with oil and driveshaft ready to go and do a short test drive to make sure you are getting full engagement when shifting.

Pull the upper handles and knobs off and install the console back on the JK. Install the upper handles and shift knobs.



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