

Index Ring Install:

1. Drain fluid from transfer case. Remove six retaining nuts that hold transmission to transfer case. Remove speedometer wire from rear of transfer case. Remove any vacuum lines, vent hoses, etc from top of transfer case. Remove transfer case shift linkage from transfer case bracket (if equipped). Transfer case can now be removed with use of a transmission jack.
2. With transfer case out of vehicle, remove the 6 retaining studs on the front of transfer case using stud remover. **IMPORTANT NOTE:** Now would be a good time to check the condition of your transfer case input seal and extension housing seal and replace if necessary.
3. Clean outside edge of transfer case with bristle disc being sure to remove all silicone. This surface should be clean and free of residue. (See Photo #1)
4. Install 3/8" x 1 5/8" stud into index ring. Studs will install into counter sunk holes. Studs should be pointing in same direction of inside lip of ring. (See Photo #2). Teeth on the head of stud will prevent spinning. To ensure that stud is pulled down flush, thread on nuts and tighten down. Then remove nuts for future installation.
5. Line index ring up on transfer case. The ring will only install one way. Once holes are lined up, mark the position with a marker so that it can easily be lined up once silicone is installed. (See Photo #3)
6. At this time, apply a bead of silicone to outside of transfer case mounting surface. (See Photo #4). Install index ring using the six 3/8" x 1" Allen head bolts that are supplied. Be sure to also use supplied washers and thread lock compound.
7. Tighten each bolt across from each other so that the ring pulls up tight. Torque to 35 ft. lbs. (See Photo #5)
8. Photo #6 shows the new transmission seal adapter that is to be installed.



Photo #1



Photo #2



Photo #3



Photo #4

Seal Adapter

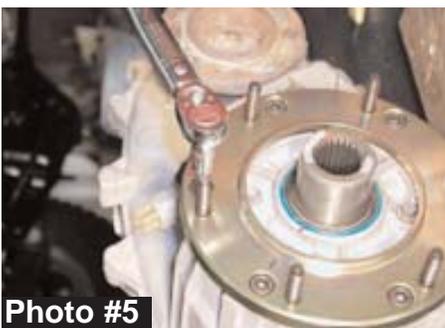


Photo #5

I-IXR10/IXR20



Photo #6

If not installing seal adapter, skip to step #8.

9. Remove the inner transmission output seal located at the rear of the transmission. Install the supplied seal adapter into the rear of the transmission. It is recommended to apply a thin layer of silicone on the outside of the adapter so that it can slide in without binding. To install, tap seal in until it seats flush. It is recommended to use a 2x4 or other flat surface when tapping the adapter in. This will ensure that the adapter is installed straight. Once adapter is installed, install the seal using the same process. Now install the supplied seal Part# TCS2675 into the new seal adapter. Photo #7 shows the new seal installed with the new seal adapter. Arrow #1 shows the seal adapter. Arrow #2 shows the seal.
10. Clean backside of transmission mounting surface using Bristol disc. Then, run a bead of silicone around rear outside edge of transmission mounting surface. (See Photo #8)
11. Install transfer case using transmission jack. Transfer case will be installed using flange nuts and washers. (See Photo #9)
12. At this time reconnect all vent hoses and shift linkage. Also reconnect vacuum lines. Be sure to connect same as factory.
13. Refill transfer case fluid. Reinstall front drive shaft.

