

## ND TRANSMISSION REMOVAL TOOL 35-72000



Thanks for purchasing our ND transmission removal tool. If you have any questions during installation or suggestions for improvement to the product or the instructions - please don't hesitate to call or email.

**WARNING: Not everyone can perform every installation. It is critical that you be honest with yourself in regards to your ability. We're more than happy to help, but there are only so many things we can do from the other end of a phone / computer. If in doubt, discuss the install with us before you dive in. Improper installation could cause injury and / or death!**

### Required tools:

- Telescopic transmission jack
- 6mm Allen tool

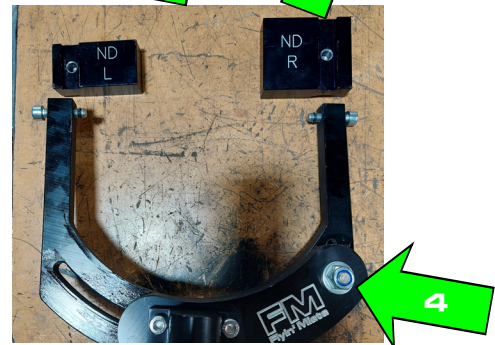
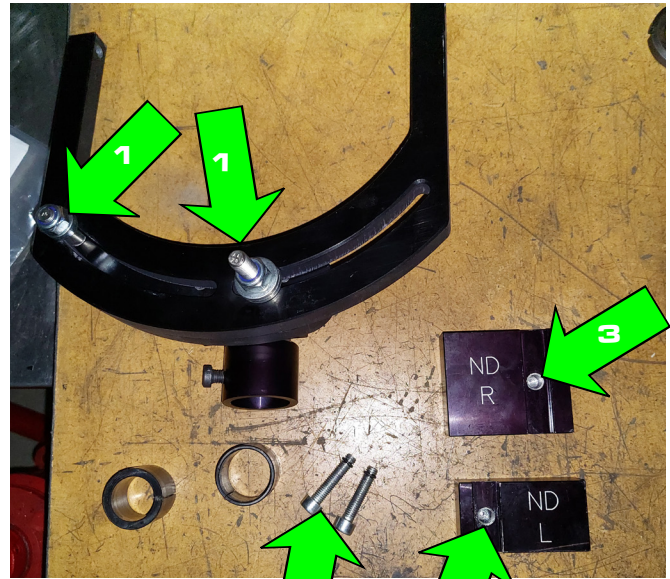
- 17mm wrench
- Grease

### Initial tool setup

1. Remove the rotation locking hardware from the side shown using a 17mm wrench (1). Pay attention to the orientation of the hardware. Separate the two main bodies of the tool and apply a light coating grease to the mutual contact areas, then reassemble the tool. Leave the 17mm hardware loose enough to allow the tool to slide within its slots.

2. Locate the two M8 socket head bolts (2) and install one into the tool at the end of each prong, then reinstall an O-ring into the groove on each bolt. The O-rings are there to retain the clamping pads. Spare O-rings are included in case they wear out. If you need more, you can source them locally using these specifications: Width 1/16", ID 7/32", OD 11/32".

3. Add grease into the holes of the pads (3). Then install the pads onto the ends of the bolts following the L & R indicators, the right side having the FM logo as shown (4).



### Tool mounting

1. The transmission tool is designed to mount to the top threaded post of a telescopic transmission jack. Remove the existing transmission cradle currently installed on the top of the jack. Since the threaded posts can vary in size from jack to jack, a couple of Delrin adapter sleeves are included - (25.4mm (1") & 30.2mm (1.189")). The adapter can also be used without a sleeve and measures 34.9mm (1.374"). If none of those options fit your jack, you will be required to source a new or modify the supplied adapters accordingly.





2. Install the tool onto the threaded post and tighten the retaining bolt with a 6mm Allen tool (5 - previous page). Do not overtighten as the bolt could begin to split through the Delrin, damaging the jack's threads.

### Tool utilization

1. Perform what steps are necessary to prepare the transmission for removal that come before putting the transmission jack into place (removing the shifter, unplugging the transmission wiring, etc.).

2. Position the jack to have the tool's clamping pads located relative to the transmission case as shown. Be sure the step on the face of the each pad lines up with the step in the forward end of the transmission case (6).

3. Evenly snug down each clamping pad's bolts until the pads have a snug grip on the transmission. Do not overtighten - damage to the transmission case could result!

4. You can now proceed with removing the remaining components retaining the transmission (PPF, driveshaft, bellhousing hardware, etc.)

5. Now remove the transmission as you would with a traditional transmission jack. But unlike your typical transmission jack, this tool allows for easy rotation of the transmission as needed to have the starter hump clear the chassis. As needed, you can tighten down the 17mm hardware to limit the ability of the tool to rotate while removing the transmission, though typically, leaving the hardware slightly loose allows for the ability to make rotational adjustments throughout the transmission removal or installation process.

6. If you need to move the transmission to a workbench, you can lift it straight up off the jack, no need to remove the tool from the transmission. The tool can slip on and off the jack adapter collar as needed (7).

