



Dynamic Axle Tube Pinning Kit

Dynamic Racing Transmissions has designed this kit to prevent the pressed in axle tubes on your rear housing from twisting within the center section.

From the factory the steel axle tubes are pressed into the cast center housing and tack welded in place. This is fine for production vehicles with unmodified power levels.

The problem begins when better traction is found, causing the axle tubes to rotate in the casting. The old school fix was to weld the mild steel tubes to the cast iron housing. The only problem with this is that it is difficult to weld these two materials successfully without cracking and failure.

The Dynamic solution is to mechanically pin the tubes to the housing using strategically placed Grade 8 bolts to effectively lock the tubes in place.

Kit Contents

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|-----------------------|-------------------------|
| 1) 1/2"-20 Tap | 1) High Speed Drill Bit |
| 8) Grade 8 1/2" Bolts | 8) Grade 8 Lockwashers |

Installation

1. Installation requires that the axle housing be completely disassembled for proper installation.

It is also recommended that any welding or bracket installation on the tubes be done prior to installation of this kit.

Use proper safety gear during installation.

Read the instructions completely before starting and take your time.

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2. Prepare the axle casting by cleaning an area 2 inches inboard of the intersection of the axle tube and the center housing. Do this all the way around the housing.



3. Determine the locations for your pins by spacing them equally around the cleaned casting. Some housings will use three per side, others can use the full four. Mark the locations for drilling using a Sharpie or paint pen.

4. Centerpunch the marks and begin to drill your holes. It is best to start with a smaller bit and work up to the supplied bit for final sizing.



Drill completely through the housing and the axle tube assembly.

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5. Next, using the supplied tap and some lubricant, tap the holes drilled previously.



6. Once tapping has been completed, thoroughly clean the housing and tubes of metal chips.

7. Place a Grade 8 lockwasher over the supplied Grade 8 bolts and install in the tapped holes. You can use a drop of blue threadlocker if you wish. Torque the bolts to 25 ft-lbs.



Once all bolts have been installed and torqued you can proceed with the rest of the axle housing assembly.

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