13603 JOHNSON STREET NE HAM LAKE, MN 55304 763-767-4480

Ford FE to Ford AOD Transmission Adapter Kit.

We assume that the person installing this kit has a certain amount of mechanical aptitude and ability. It is not for the beginner. Make sure you clean all surfaces when mating these parts together. Always check bolt clearances. We try to make everything as simple as possible to help you, but the ultimate responsibility as to the assembly of the kit is up to the installer. Check and recheck as you go. We can't foresee every change or modification that could possibly occur in the building of a custom vehicle. Especially when we are dealing with 50-year-old motors.

A few common sense installation tips.

1. Install all bolts before tightening in any sequence.
2. Use loctite and torque bolts where applicable.
3. Don't over tighten bolts into aluminum. There is NO warranty on stripped threads.
4. AOD's have extremely sensitive detent cable adjustments. Be careful and don't assume. Check everything and be sure.

Most of the kit has been assembled so you can see how it goes together. The adapter plate and starter should be left together.

There are oil galley plugs in the back of the block that need to be below the height of where the adapter bolts onto the block. Either tighten or grind these plugs below the block surface. Bolt the adapter plate onto the block using the 6 -7/16x14 x1 3/4 socket head cap screws. The adapter plate goes onto the block with the starter bolted to it.

After cleaning the crankshaft flange, bolt the crank adapter onto the crank making sure you line up the boltholes first. Check to make sure the bolts don't go through the crank flange too far and bind the crank. You will sometimes have to grind a little off the bolts. The crank adapter only bolts on one way. There is an offset bolthole.

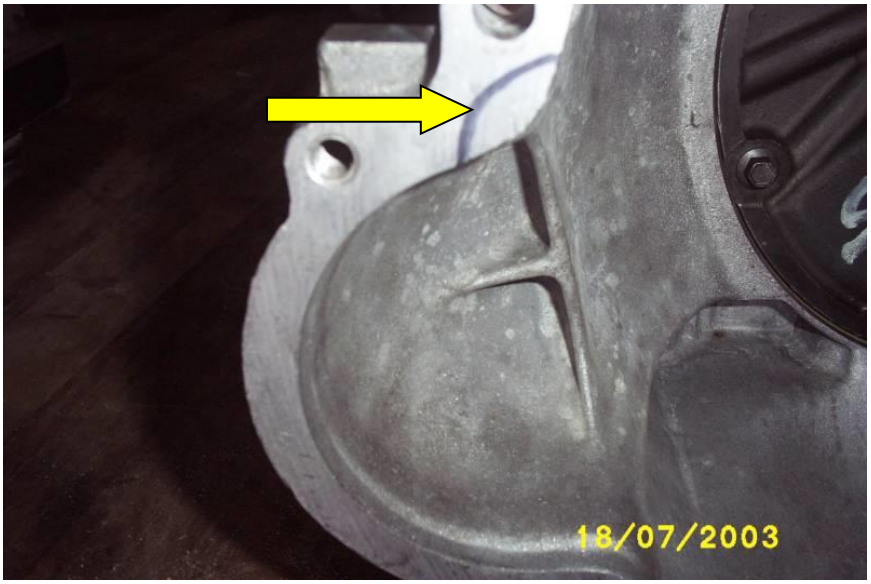
Then bolt the flywheel up to the crank adapter, also making sure you line up the offset boltholes. Make sure the starter drive clears the flywheel. The flywheel that comes with the kit is for the AOD transmission only! It will

Now bolt on the supplied flexplate. This flexplate only fits the AOD and C5 transmissions. If you want to install a C4, C6, FMX or E4OD transmission, you will need a different flexplate. The back spacing is different between these transmissions. If you wish to install a manual transmission, we have a custom flywheel that will allow you to do this that utilizes the stock Ford clutch assemblies. The crank adapter will accept all Ford pilot bearing assemblies.

Note for owners of 410 and 428 engines only. Your motors are externally balanced. The flexplate we send you will be balanced correctly for your motor unless you tell us different. The supplied flexplate and crank adapter are match balanced as an assembly.

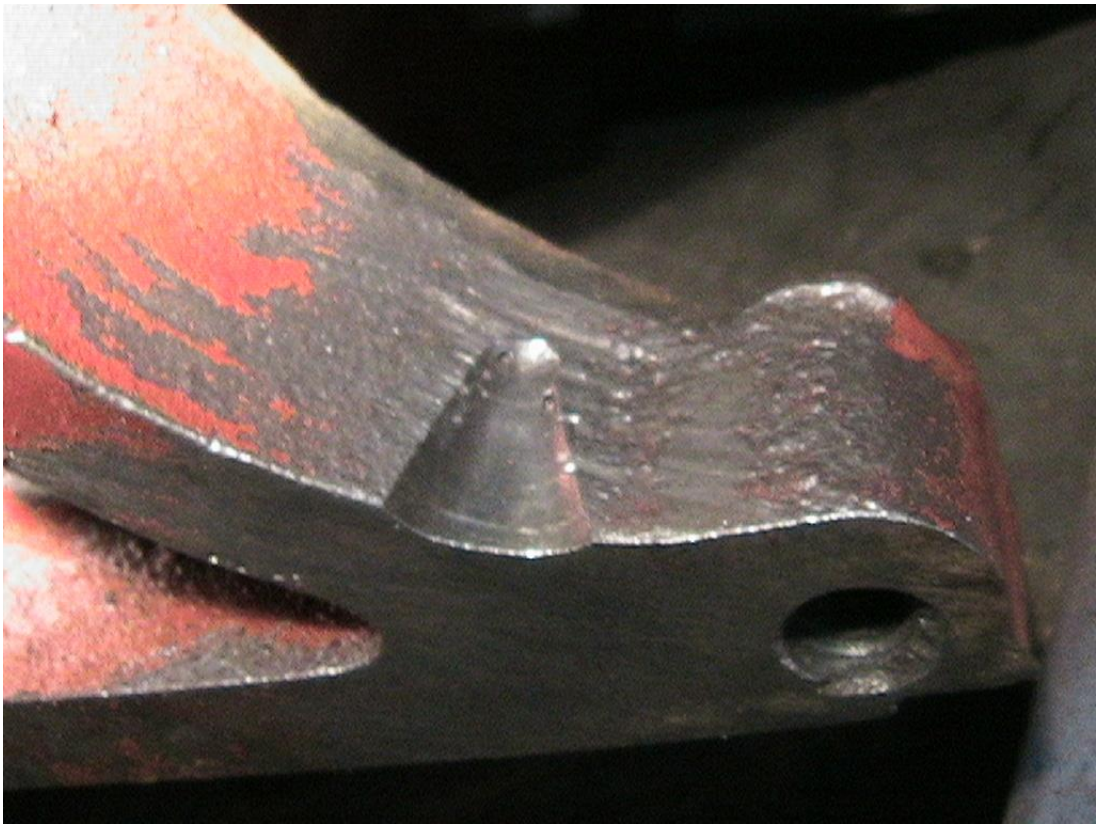
NOTE: DO THIS FIRST!!!!!!! IT WILL SAVE YOU TIME LATER!!

Bolt the adapter plate onto the AOD transmission first. Then you can see through the starter hole where you will have to grind a small piece off the transmission case. This is to clear the starter drive only. See the line drawn on the transmission case in the picture. Grind the area away until the starter drive clears the case. This area is not present on all AOD's. Some AOD's only have a rib at this location. Grinding this area doesn't hurt the transmission in any way. Remember that the starter drive extends out while operating, so keep this in mind while deciding how deep to grind.



You should now be able to bolt on your AOD trans

It has come to my attention that some of the FE blocks need to have some material removed below the starter for clearance. I've enclosed a picture of a block that has had this done so you can use this as a guide. You don't need to have any exact measurement because the blocks were different (apparently) depending on how the workers felt that particular day.
The bottom line is, trial fit the starter and adapter plate before installation. Grind it as needed, similar to the picture. You can grind a little off the starter boss as well. The part that hits (not on all motors) is the lower starter bolt boss.



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