

## FORD SMALL BLOCK 302 TO CHEVY AUTOMATIC TRANSMISSIONS

### KIT NO. 712588-A CONSISTS OF:

No.	Qty.	Part No.	Description
1.	1	712588-PLT	ADAPTER PLATE - <i>(Pre-assembled)</i>
2.	1	712588-D	PLASTIC DUST COVER
3.	1	712588-R	TORQUE CONVERTER ADAPTER RING
4.	1	712588-EFLEXPLATE, <b>YRS. 1968-1980</b>	
5.	2	716123	GM DOWEL PINS <i>(Installed)</i>
6.	3	720015	WASHER FOR 3/8" TORQUE CONVERTER BOLTS
7.	7	720049	TORQUE CONVERTER BOLTS
8.	3	723758	3/8 TORQUE CONVERTER BOLTS
9.	5	723764	STUD BOLTS, 3/8"-24 x 1.656" <i>(Pre-assembled)</i>
10.	6	724322	F.H.C.S. 7/16"-14 x 1-1/4"
11.	5	302071	FLANGED NUT 3/8"-24



**CAUTION:** When assembling this kit and have it completely bolted together, you must be able to pull the torque converter assembly forward towards the engine at least 1/16" to 1/8". This prevents any possible damage to the transmission pump. If this cannot be obtained, please call our technical department for help. The bolts in the kits for the torque converter are both metric and standard, please identify and use the proper bolts for your torque converter.

### KIT NO. 712588-B CONSISTS OF:

No.	Qty.	Part No.	Description
1.	1	712588-PLT	ADAPTER PLATE - <i>(Pre-assembled)</i>
2.	1	712588-D	PLASTIC DUST COVER
3.	1	712588-R	TORQUE CONVERTER ADAPTER RING
4.	1	712588-F FLEXPLATE, <b>YRS. 1982-1997</b>	
5.	2	716123	GM DOWEL PINS <i>(Installed)</i>
6.	3	720015	WASHER FOR 3/8" TORQUE CONVERTER BOLTS
7.	7	720049	TORQUE CONVERTER BOLTS
8.	3	723758	3/8 TORQUE CONVERTER BOLTS
9.	5	723764	STUD BOLTS, 3/8"-24 x 1.656" <i>(Pre-assembled)</i>
10.	6	724322	F.H.C.S. 7/16"-14 x 1-1/4"
11.	5	302071	FLANGED NUT 3/8"-24

### KIT NO. 712588-C CONSISTS OF:

No.	Qty.	Part No.	Description
1.	1	712588-PLT	ADAPTER PLATE - <i>(Pre-assembled)</i>
2.	1	712588-D	PLASTIC DUST COVER
3.	1	712588-R	TORQUE CONVERTER ADAPTER RING
4.	2	716123	GM DOWEL PINS <i>(Installed)</i>
5.	3	720015	WASHER FOR 3/8" TORQUE CONVERTER BOLTS
6.	7	720049	TORQUE CONVERTER BOLTS
7.	3	723758	3/8 TORQUE CONVERTER BOLTS
8.	5	723764	STUD BOLTS, 3/8"-24 x 1.656" <i>(Pre-assembled)</i>
9.	6	724322	F.H.C.S. 7/16"-14 x 1-1/4"
10.	5	302071	FLANGED NUT 3/8"-24

THIS KIT DOES NOT INCLUDE A FLEXPLATE

**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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These kits are designed to fit Ford small block 302 to GM automatics **ONLY**. Please read the following instructions before you begin to assemble.

### INSTALLATION INSTRUCTIONS:

1. Remove the stock Ford dowel pins and shorten approximately 1/8". The stock dowel pins need to be flush with the new adapter plate.

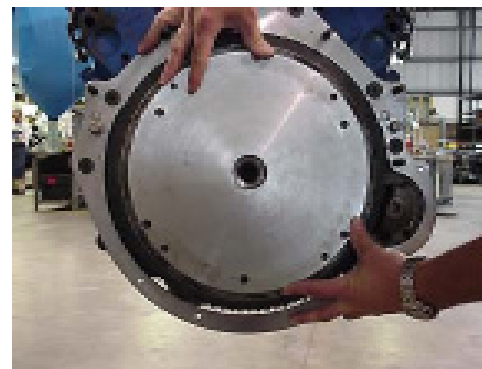


Dowel pin after shortened approximately 1/8".

2. Install the stock Ford 302 dust cover shield. This shield provides the proper index and location for the Ford starter.



3. Install the new flexplate to the block. The recommended torque specification is 75-85 ft./lbs.
4. Install the new adapter plate to the block. Fasten the block using the F.H.C.S.
5. "Check fit" the torque converter adapter ring on the motor for the proper crank index. It should be a "slip-fit". **DO NOT FORCE THE TWO TOGETHER**. Some older crank shafts may need to be deburred as necessary.



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6. "Check fit" the torque converter adapter ring on the GM torque converter for full engagement. The flat surface of the ring must lay flat against the bolt surfaces of the torque converter. Some older torque converters may need to be deburred on the index hub.
7. Bolt the torque converter adapter ring to the torque converter with the three (3) bolts supplied. The recommended torque specification is 35 ft./lbs.

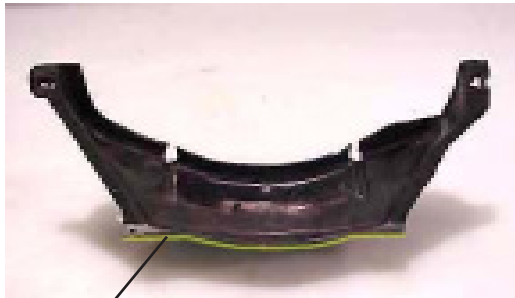


8. Install the starter, making sure that the proper index is accomplished. The starter must be for a Ford small block automatic transmission application **ONLY!** If a starter for a manual transmission is used, the Bendix will not achieve proper contact on the flexplate. Ford starters from small blocks and these transmission C4, C6, AOD, AODE, 4R70W are all the same.

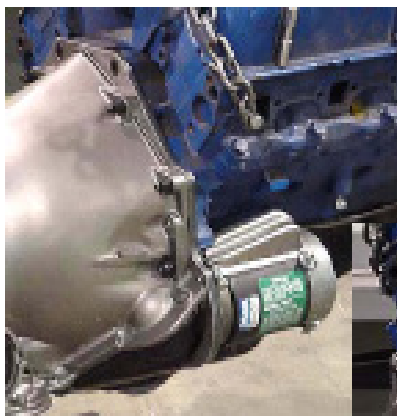
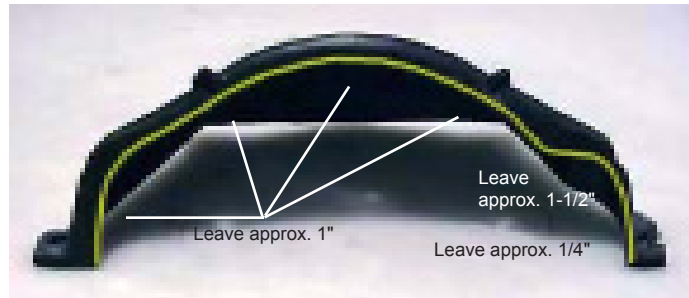
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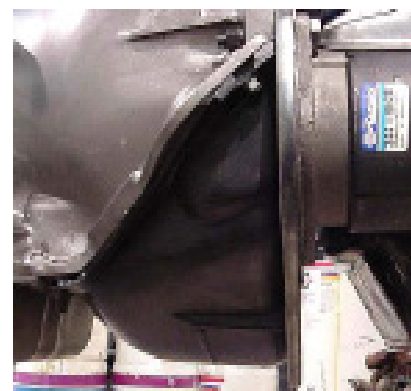
9. Slide the new torque converter assembly into the transmission, making sure that it is fully engaged with the cogs on the pump. The transmission should now be prepped for final installation.
10. It's now time to install the transmission assembly to the back of the block. **DO NOT FORCE**. Once the GM transmission is connected to the Ford block, the bolt torque specification of 35 ft./lbs. is recommended. The torque converter assembly should have at least a 1/16" to 1/8" gap between the torque converter ring and the Ford flexplate. The torque converter must be slid forward to meet the flexplate. This will allow proper clearance on the GM transmission to prevent pump damage. If the torque converter is not able to move forward or it is preventing the transmission to be bolted flush to the adapter plate, check the engagement between the torque converter and the transmission. This area is often overlooked (Refer to Page 5 for measurements). If the torque converter is able to move 1/16" to 1/8", install the bolts to couple the torque ring to the flexplate.
11. Make the necessary modifications to the new plastic dust cover and install.



Trim off approximately 1/4" to 1/2".



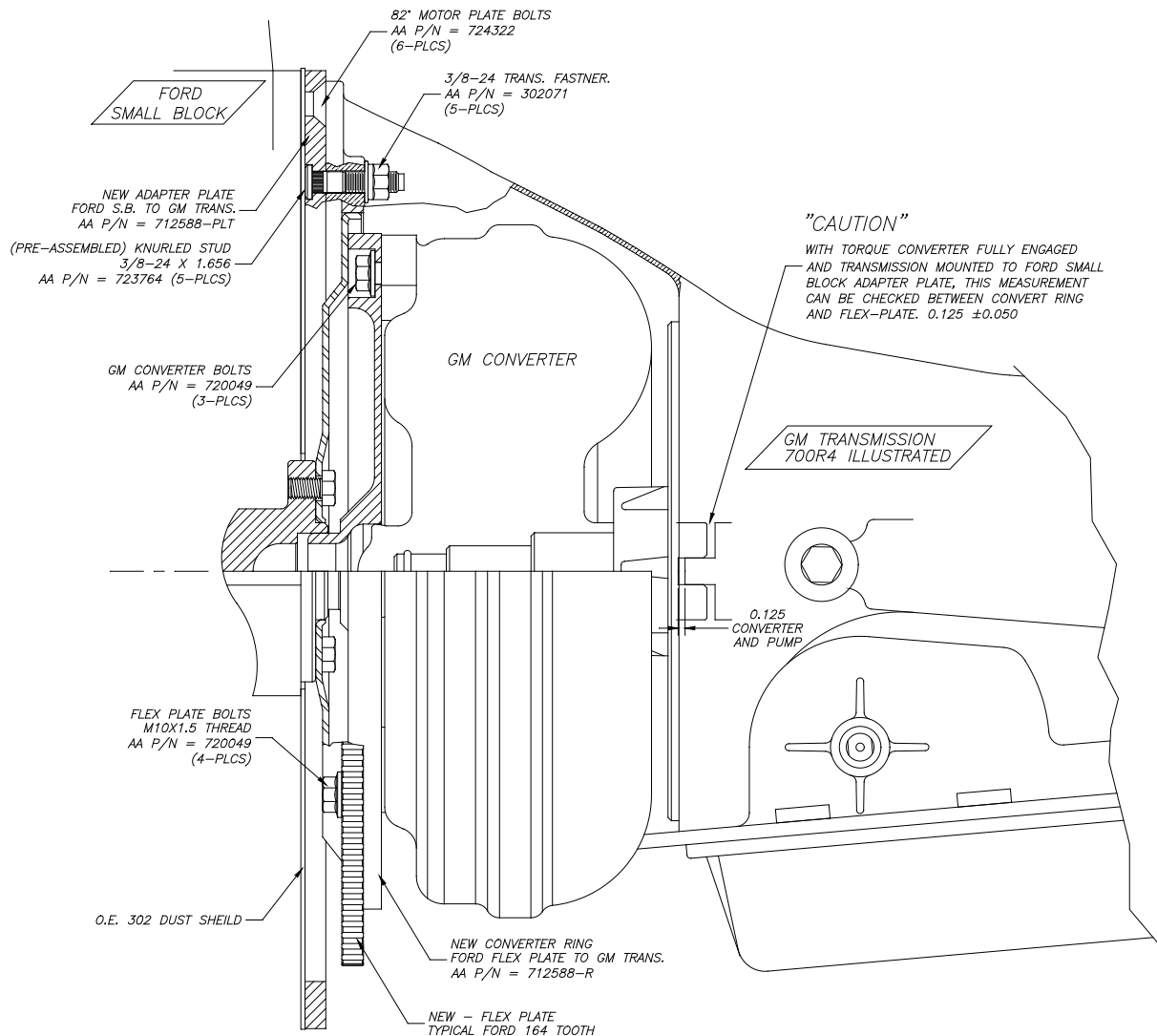
P/N 712588 installed.



Dust cover after modifications.

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