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TCI® 513000 & 513100 SFI C-4 Bellhousing Instructions

513000 - Small Block Ford Pattern (See below for 513100)

This bellhousing is designed to fit all 1965 and later 289, 302, 351W, 351C engines and you may use a 164 or 157 tooth flexplate. TCI carries SFI flexplates that will work with this bellhousing. This bellhousing cannot be used with a 12-inch diameter torque converter, but can be used with a 7, 8, 9, 10 or 11-inch diameter torque converter.

Installation

This bellhousing is shipped with its own bellhousing bolts, C-4 spacer ring and special pump bolts. The spacer ring and pump bolts are used only if you are using a 164 tooth flexplate and torque converter. If you are using a 157 tooth flexplate and torque converter, do not use the spacer ring or pump bolts. See Figure 1 & Figure 2. Reuse the original C-4 pump bolts.

164 Tooth Flexplate

1. Match up the holes in the gold spacer ring to the front of your C-4 transmission. Place the ring on the pump. This ring will give the exact depth needed for the torque converter. 2. Place the bellhousing on the front of the C-4 and torque the supplied bolts to 45 ft.-lbs.

157 Tooth Flexplate

1. Place the bellhousing on the front of the C-4 and attach using the stock bolts. Torque to 45 ft.-lbs.

The transmission is now ready to be installed onto the engine. Use the supplied Allen bolts to secure the transmission to the engine. Tighten these bolts to 30-35 ft.-lbs.

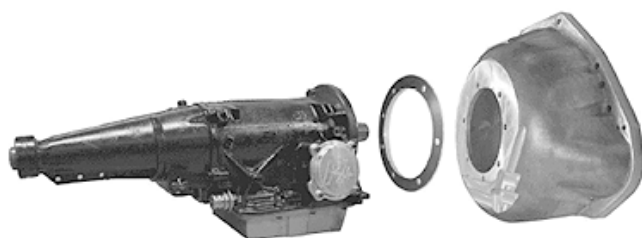


Figure 1 - 164 tooth flywheel

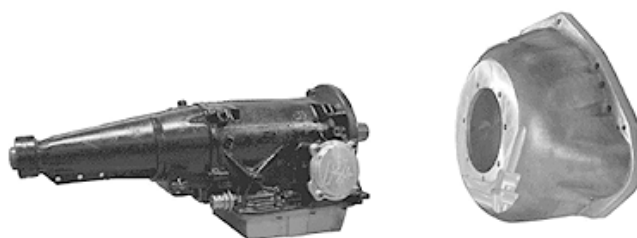


Figure 2 - 157 tooth flywheel

513100 - Modular Motor Pattern

This bellhousing is designed to fit all rear wheel drive 4.6, 5.4 & V10 engines. You must use a stock (OEM) style flexplate. TCI carries SFI flexplates that will work with this bellhousing. This bellhousing can only be used with 7, 8, 9, or 10-inch torque converters and all converters must have the 11 7/16-bolt circle.

This bellhousing is shipped with its own bellhousing bolts, C-4 spacer ring and special pump bolts.

1. Match up the holes in the gold spacer ring to the front of your C-4 transmission. Place the ring on the pump. See Figure 1. This ring will give the exact depth needed for the torque converter.

2. Place the bellhousing on the front of the C-4 and torque the supplied bolts to 45 ft.-lbs.

3. The transmission is now ready to be installed on the engine. The original bellhousing bolts can be reused although it's not recommended. The two allen bolts with washers are to be used on the dowel pin holes. See Figure 2. Re-use original block plate and starter bolts.

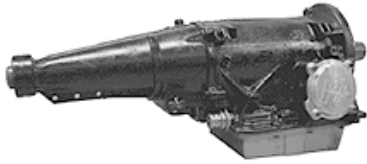


Figure 1

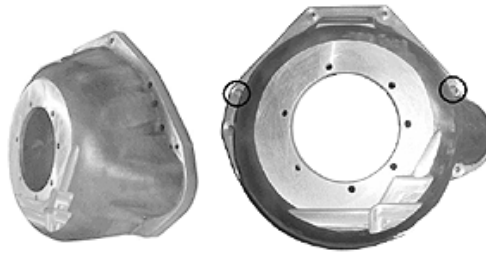


Figure 2 - Use the two 10 X 50 bolts supplied in the holes circled here.

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