

INSTALLATION INSTRUCTIONS FOR TORQUEFLITE 727 DRUM & PISTON (# COA-42816)

Thank you for purchasing a Coan Racing performance product. For over 25 years Coan Engineering has been the leader in hi-performance race transmissions and converters. Our ongoing research and development assures that you have purchased the best products available.

*** COMMITMENT * PERFORMANCE * RELIABILITY *
* A WINNING COMBINATION ***

The scope of these instructions will be aimed at the installation of this drum and it is assumed that the transmission will be rebuilt properly to work with this drum. If necessary refer to a transmission manual for detailed instructions on disassembly and reassembly of the Torqueflite 727 transmission.

1. We recommend that you set the final clutch endplay clearances to approx. .010 per clutch (.050 for 5 clutches, .060 for 6 clutches). Final clearance may be altered by using selective steel plates and/or snap ring.
2. We recommend using an aftermarket replacement Flex Bands e.g. Red, Tan, or Brown. These bands will work better against the Aluminum Drum surface. You should **NOT** use a Solid Wrap Band or a band that uses a Kevlar material.

IMPORTANT

When installing the Drum, you must insure that the outer edge of the Aluminum Drum does not come into contact with the outer edge of the Forward Drum. This cautionary note is a result of there being two different OEM designs from Chrysler for the Forward Clutch Drum. **If this drum is used with a Forward Drum that does not have a large enough chamfer on it, the Direct Drum will not seat correctly on the thrust washer and drum failure will occur.**

For correct Forward Drum selection refer to Figure 1 & 2.

CHECKING CLEARANCE

1. Assemble the empty Direct Drum over the Forward Drum, ensuring that the selective washer is in place.
2. Looking down at the center of the Aluminum Direct Drum, ensure that the Drum is contacting and supported by the Fiber Washer. The Forward Drum should rotate Freely and should not wobble.
3. If the Drum contacts the Forward Drum and is not supported by the Fiber Washer you must either;
 - A. Have the edge on the Forward Drum machined with a larger chamfer (see Figure 2) to allow proper clearance or,
 - B. Use a later model Forward Drum. (See Figure 2)

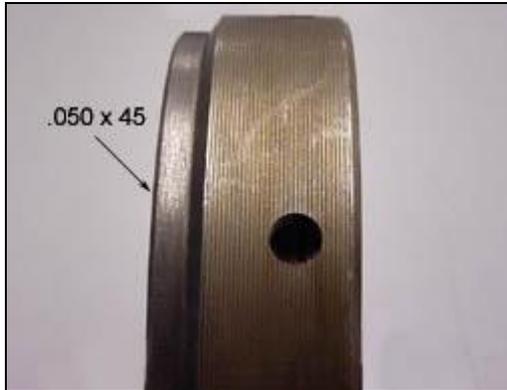


FIGURE 1: FORWARD DRUM DESIGN

NOTE: If drum chamfer is .050" x 45 deg., this is not enough clearance! Either machine the chamfer per Figure 2 or, locate another drum with the correct clearance.



FIGURE 2: FORWARD DRUM DESIGN

Correct chamfer on the Forward Drum (.100" x 45 deg).

Components included:

1. Drum
2. Piston
3. Pressure Plate
4. Race Rings

If you have any questions regarding the proper installation and/or operation of a Coan Racing product, please call (765) 456-3957. You may also fax us at (765) 456-3960, or e-mail at coan@coanracing.com.

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