

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

Thank you for purchasing a Coan Racing performance product. Since 1976, 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.

Warranty

Coan Engineering offers a limited warranty covering all new products for ninety days and all repair service for thirty days from the original date of purchase to be free from flaws in material and craftsmanship. The warranty is non-transferable. Under no circumstances will Coan Engineering extend its warranty to products, new or repaired, which have been abused, misused, or incorrectly installed. Disassembly of any product by means other than a Coan Engineering technician will void any potential warranty. All warranty claims must be accompanied by the original invoice and are subject to the approval of Coan Engineering.

The above stated warranty **does not include** any shipping charges or labor charges for installation or removal of any Coan Racing product.

Liability

In no manner, neither written nor implied, does Coan Engineering accept liability for consequential or incidental damages to person or property resulting from the use or misuse of its products. Product failure occurring within the stipulations of the warranty policy will be dealt with explicitly under those particular guidelines.