

## Smart-Tech® Direct Clutch Drum & Shaft Kit

### Part No.

## 76656-02K

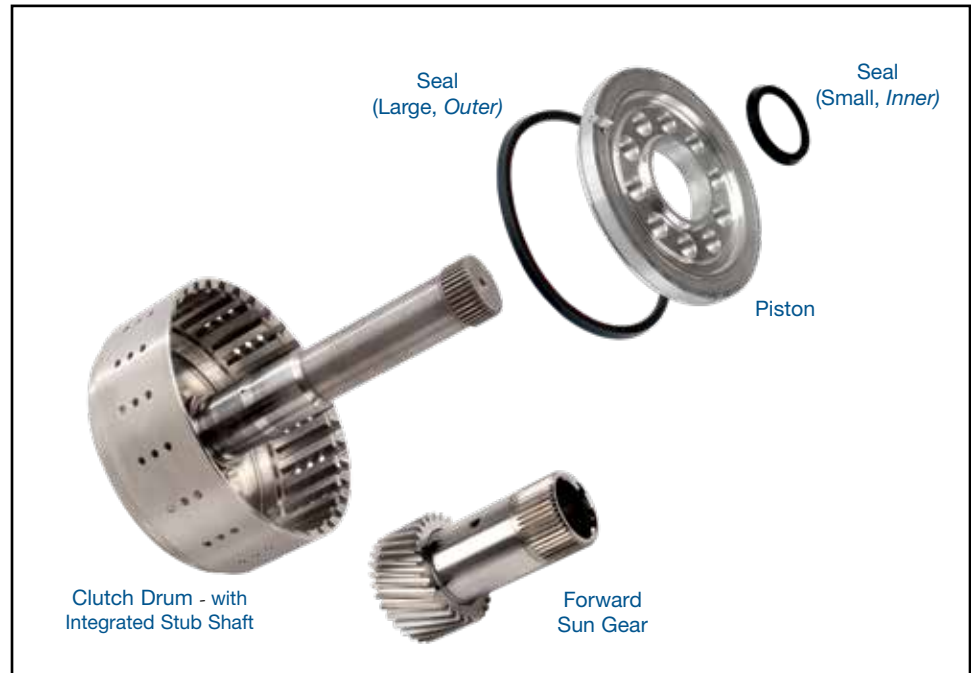
- Forward Sun Gear 30-Tooth
- Clutch Drum with Integrated Stub Shaft
- Piston
- Seal Large, Outer
- Seal Small, Inner

Patent Pending



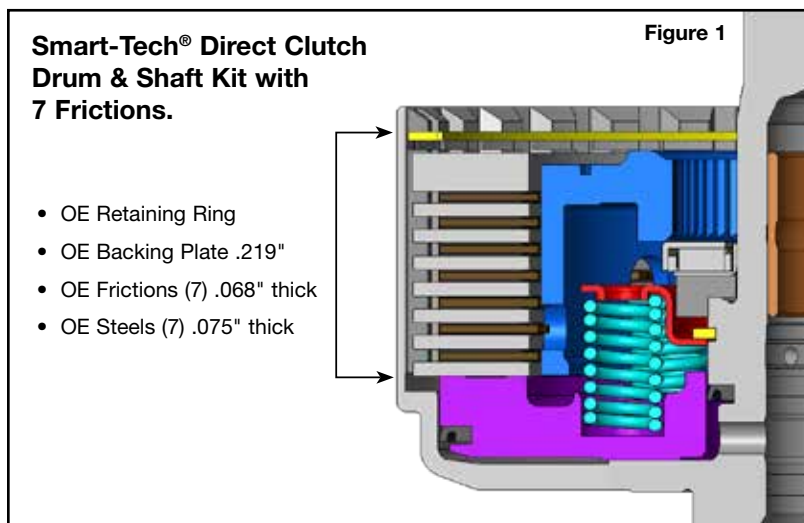
**NOTE:** Fits all 2.40/1.46 gear sets.

## Ford AODE



### 1. Clutch Assembly Information

This Smart-Tech® direct clutch drum and shaft kit is set up to accommodate one additional AODE OE thickness .068" friction plate and .075" steel plate for a total (7) .068" frictions and (7) .075" steels with OE .219" thick backing plate. Other clutch/steel combinations are possible. OE recommended clutch clearance is .010–.014" per friction. See list of selective retaining rings for adjusting clutch clearance (**Figure 2**).



- Assemble inner lip seal onto shaft portion of drum (**Figure 1**).
- Assemble outer lip seal onto piston.
- Install piston into Sonnax direct drum. Special lip seal protector installation tools are available to help with piston installation. Reference OE tool T80L-77254-A.
- Install return spring and retainer.
- Install clutches, steels, backing plate and retaining ring (**Figure 1**).
- Check clutch clearance by maintaining downward pressure on backing plate, and measuring clearance between backing plate and retaining ring.
- Adjust clearance as necessary with selective retaining rings (**Figure 2**) or different thickness steels.

## 2. Unit Assembly

- a. Follow published assembly procedures for AODE transmissions.
- b. Assemble transmission with Sonnax clutch drum with integrated stub shaft into transmission in place of OE direct drum and stub shaft.
- c. Install Sonnax 30-tooth Forward sun gear in place of OE Forward sun gear.

Figure 2

Retaining Rings	OE Part Numbers	Thickness
	F3AZ-7D483-A	.052"
	F3AZ-7D483-B	.066"
	F3AZ-7D483-C	.080"
F3AZ-7D483-D	.094"	