



24324 Sorrentino Court, Clinton Township, MI 48035 Tel: 586-791-4120 Fax: 586-791-0802

Katech Website: www.katechengines.com

KAT-7797

Gen 5 LT Distributor Drive Front Cover Kit Instructions

*This kit was designed to be used in conjunction
with a Small Block Ford Distributor and
Katech Distributor Drive Plug Wires*





I. Included in the Kit:

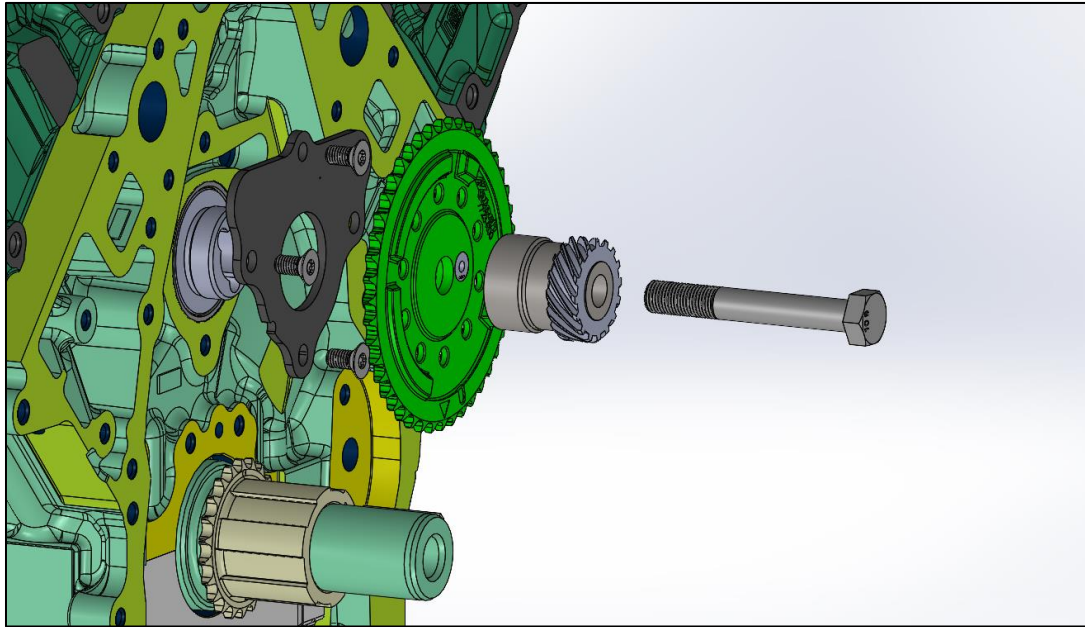
- a. KAT-7719 Distributor Drive Front Cover
- b. KAT-7723 Adjustable Cam Sprocket
- c. KAT-7724 LT Distributor Cam Adapter
- d. KAT-7738 Cam Sprocket Offset Bushings (0 deg, 2 deg, 4 deg)
- e. KAT-M7739 Katech Camshaft Thrust Plate
- f. Katech Distributor Drive Camshaft Bolt
- g. Katech Front Cover Bolts
- h. Front Cover Locating Dowels (2)
- i. Front Crank Seal

II. Required for Installation:

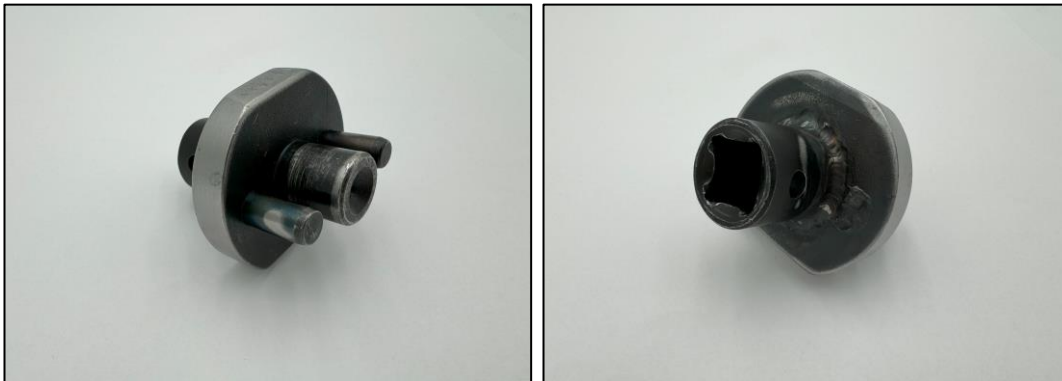
- a. Metric Socket Set
- b. T40 Torx Socket
- c. Torque Wrench
- d. Front Seal Install Tool
- e. LT Cam Torque Tool
- f. Loctite Retaining Compound
- g. RTV Sealant

III. Procedure:

- a. This procedure is intended to be followed at the point of the engine assembly process where the camshaft, lifters, and timing chain tensioner have already been installed per OE manufacturer's specifications
- b. Install the Katech Camshaft Thrust Plate with OEM flat head bolts and torque to **11 ft-lbs** using T40 torx socket
- c. Install the Katech adjustable cam sprocket and timing chain of choice
 - i. Link to the recommended Katech C5-R Timing Chain:
<https://katechengines.com/i-30497638-katech-c5-r-timing-chain.html>
- d. Insert the desired Katech offset bushing based on desired cam advance or retard
- e. Install the Katech distributor drive adapter



- f. Install the Katech cam sprocket bolt and torque to **105 ft-lbs**
 - i. Katech recommends torquing the cam bolt by holding the rear of the cam using an LT cam torque tool, seen below



- g. Pull the pin on the timing chain tensioner
- h. Install the oil pump of choice per manufacturer's specifications, ensuring correct alignment
- i. Prior to installing the cover, apply RTV sealant to the perimeter of the crank seal and install the crank seal into the cover using the proper seal install tool. Wipe off excess RTV following install
- j. Install the supplied cover dowels in the holes seen below using a small dab of Loctite retaining compound (green)



- k. Apply RTV sealant to the back of the cover
- l. Install the cover on to the engine and torque the M8 bolts to **18 ft-lbs**, making sure the two longer bolts go in the bottom two bolt holes
- m. Proceed with engine assembly and drop in small block Ford distributor and hold down of choice



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