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POINT ONE
HIGH-PRECISION FASTENERS

INSTALLATION METHOD

FOR MAIN STUD KITS

Kit Number: **K062-M01E**

Application: **FORD COYOTE 5.0L**

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MADE WITH PRIDE IN THE UNITED STATES

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Kit: K062-M01E Alloy: E190 Sockets Required: 1/2", 10MM

KIT CONTENTS

(10) SJ7E Stud, MJ9x1.25 x MJ9x1.0, 4.06" OAL, E190, Black Oxide Finish

(9) SJ5E Stud, MJ11x1.5 x 7/16-20 threads, 4.53" OAL, E190, Black Oxide Finish

(1) SJ6S Stud, MJ11x1.5 x 7/16-20 x MJ8x1.25, 5.23" OAL, S220, Black Oxide Finish

(10) BE7E 12PT Flange Bolt, MJ9x1.25 threads, 34.3mm UHL, 10mm wrench, E190, black oxide finish

(1) BE9E 12PT Flange Bolt, MJ8x1.25 threads, 16mm UHL, 10mm wrench, E190, black oxide finish

(10) NG8F 12pt Flange Nut, MJ9x1.0 threads, ½" wrenching, black oxide finish

(10) NB4F 12pt Flange Nut, 7/16-20 threads, ½" wrenching, black oxide finish

(1) WA2T Chamfered Washer, M8 nominal, hardened and ground, black oxide finish

(10) WC8T Chamfered Washer, 3/8" nominal, hardened and ground, black oxide finish

(10) WA4T Chamfered Washer, 7/16" nominal, hardened and ground, black oxide finish

LB01 TORQUEPOINT Fastener Assembly Lube, 1oz packet

LBBR Lube application brush

FASTENER INSTALLATION

(NOTE: THIS PROCESS IS IDENTICAL TO WHAT WE DO DURING TORQUE-TENSION TESTING AT P1 HQ)

1. Inspect kit contents for damage and confirm quantities.
2. Thoroughly clean all debris from engine block holes and threads, and main cap holes and threads.
3. Ensure all mating surfaces and fastener bearing surfaces are flat, free of debris and dry of any cleaning related products.
4. Remove fasteners from packaging and place on clean shop rag, clean threads as required, (do not unnecessarily remove rust preventative).
5. WITHOUT LUBE, thread studs into their intended holes BY HAND ONLY until the stud bottoms or thread run-out occurs (DO NOT USE TOOLS). Achieving smooth installation without tools is necessary. Remove fasteners and clean or repair threads if needed.
6. WITHOUT LUBE, thread side bolts into their holes into the main cap holes BY HAND ONLY until thread run out occurs (DO NOT USE TOOLS). Achieving smooth installation without tools is necessary. Remove fasteners and clean or repair threads if needed.
7. Remove fasteners from their holes and liberally apply TorquePoint assembly lube to entire length of block end threads of the studs using included brush. Work lube into threads all the way around threaded sections so lube is nearly flush with outer diameter of thread face.
8. Install studs into block by hand or using hex key with light force only.
9. Thoroughly clean any visible fastener lube from fasteners and mating surfaces and fit caps into block.
10. Install washers on main studs (DO NOT APPLY LUBE TO THE WASHERS)
11. Apply TorquePoint assembly lube to entire length of nut end threads of the fastener using included brush. Work lube into threads all the way around the threaded sections so lube is nearly flush with outer diameter of thread face. Lube should be evenly distributed and not excessive.
12. Apply TorquePoint to each nut's bearing surface only.
13. Install main cap nuts hand tight (firmly). Washers should not rotate during torque procedure.
14. Appy TorquePoint assembly lube to side bolt threads and under bolt head. Do not apply lube to washers. Observe the chamfered side of washer and be sure the chamfered side is facing the under head of the bolt. Install side bolts with washers BY HAND. Washers should not rotate during torque procedure.
15. NOTE: Modifications will be necessary to the OEM oil pickup pedestal nut to create a counterbore on the pedestal nut which will allow it to fully seat on top of the host stud and nut. You may also need to shorten the OAL of the pedestal nut to provide proper spacing between the pan and pickup. Failure to do this work correctly may result in the loss of oil to your engine. Use extreme care.

TORQUE RECOMMENDATIONS

Follow applicable OEM and/or aftermarket manufacturers suggested torque sequence & number of tightening steps.
Point One fasteners, paired with TorquePoint assembly lube, can sustain the following nominal torques and clamp loads while remaining below their minimum proof load rating.

DO NOT EXCEED THESE TORQUE INPUT VALUES

THESE VALUES WILL NOT BE APPLICABLE WHEN USING OTHER LUBRICANTS

SJ7E Stud w/NG8F Nut
MJ9x1.0 threads

Torque: **45 ft-lbs**
Typical Clamp Load: **8,500 lbs-force**

SJ5E, SJ6S Stud w/NB4F Nut
7/16-20 threads

Torque: **80 ft-lbs**
Typical Clamp Load: **12,700 lbs-force**

BE7E Side Bolt
MJ9x1.25 threads

Torque: **45 ft-lbs**
Typical Clamp Load: **8,500 lbs-force**

BE9E Bolt MJ8x1.25 threads
(oil pickup stand)

Torque: **20 ft-lbs**
Typical Clamp Load: **5,000 lbs-force**

Note: The number of aftermarket replacement parts and OEM combinations of components is numerous. **Use caution as the clamp loads listed above may damage your assembly** - use lower installation torques such as those provided by the manufacturer of your components if applicable.