



**MOPAR OIL PUMP PICKUP
P/N 24770
INSTALLATION INSTRUCTIONS**

PARTS LIST

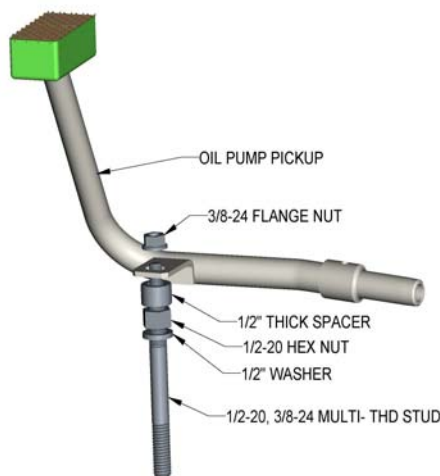
| <u>QTY</u> | <u>P/N</u> | <u>DESCRIPTION</u> | <u>QTY</u> | <u>P/N</u> | <u>DESCRIPTION</u> |
|------------|------------|-------------------------------------|------------|------------|---|
| (1) | 24770 | OIL PUMP PICKUP | (1) | 0706019 | 3/8-24 SERRATED FACE NUT |
| (1) | 3819201 | STUD, 1/2-20 & 3/8-24 MULTI-THD | (1) | 24770300 | SPACER, .87" OD X .50" LONG X .19" WALL |
| (1) | 38310100 | WASHER FM .509 ID X .87 OD X .120 T | (1) | 0708014 | 1/2-20 NUT GR 8 |

Drain the oil and remove the oil pan and old pan gaskets. Remove the oil pump from the rear main and unthread the existing pickup from the pump. Clean out and remove any oil residue or sealant from the oil pump threads. Use caution to avoid getting any contamination inside the pump.

Pickup Installation to Pump

- 1) We recommend using a pipe sealant on the new oil pump pickup threads and a small amount on the start of the first two threads in the oil pump. Avoid using Teflon tape because it could unravel and clog the oiling system. Thread the new pickup into the oil pump tightly and orientate the pickup box parallel with the oil pump cover.
- 2) Remove the third main cap screw that will be utilized to fasten the pick up bracket too. Loosen the opposite main cap screw.
- 3) Install the supplied stud through the main cap and into the engine block and secure. Install the supplied washer and the 1/2-20 nut.
- 4) Torque the main cap newly installed 1/2-20 nut and the opposite side to factory recommended specifications.
- 5) Install the supplied spacer over the new stud.
- 6) Install the oil pump and place the pickup bracket on the newly installed stud. Secure the 3/8-24 nut on the stud hand tight.
- 7) Re-install the original two fasteners to the oil pump and torque them to the factory specifications.
- 8) Go back and torque the 3/8-24 nut on the stud to 33 ft-lbs.

Important: Check the clearance between the oil pump pickup and the oil pan. Place a small amount of clay or putty at the (4) corners of the pickup box, protruding outward of 1/2". Without any gaskets in place, install the oil pan in place and push the pan onto the engine. Remove the oil pan and check the height of the clay or putty. This height should be 1/4" to 3/8". Reinstall the gaskets and oil pan and tighten all fasteners to manufacturers' specifications. Refill the oil pan with oil. We recommend priming the engine to build oil pressure and lube the rotating components before starting. Thank you for using MOROSO PERFORMANCE PRODUCTS.



**For Technical Assistance, Call Moroso's Tech Line at
(203) 458-0542, 458-0546 8:30am – 5:00pm Eastern Time**

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