



Rear Sump Oil Pan Kit

77072450AB

5.7L & 6.4L Crate HEMI

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Item	Description	Part Number	Quantity
	Rear Sump Oil Pan Kit	77072450AB	
1	Gasket, Engine Oil Pan 6.4	04893353AA	1
2	Gasket, Engine Oil Pan 5.7	53021568AE	1
3	Seal, Oil Pick Up Tube (Blue)	53020861	1
4	Tube, Oil Pick Up	04893416AA	1
5	Oil Pan	04893207AA	1
6	Indicator, Engine Oil Level	53021321AK	1
7	Tube, Engine Oil Indicator	53021322AG	1
8	Plug, Oil Indicator Tube	06036458AA	1
9	Bolt - Oil Pan to Block	06508065AA	22
10	Bolt - Oil Pick Up to Block	06102046AA	1
11	Nut - Oil Pick Up Tube to Block	06502756	1
12	Main Cap to Oil Pick Up Stud	06513100AA	1
13	Seal, Oil Indicator Tube (Red)	53021144AA	1

NOTE: Revision level (suffix) of part numbers are subject to change.

PLEASE READ ALL INSTRUCTION PRIOR TO INSTALLATION.

CALL MOPAR FOR ASSISTANCE OR FOR FRENCH/SPANISH INSTRUCTIONS 1-888-528-HEMI (4364)

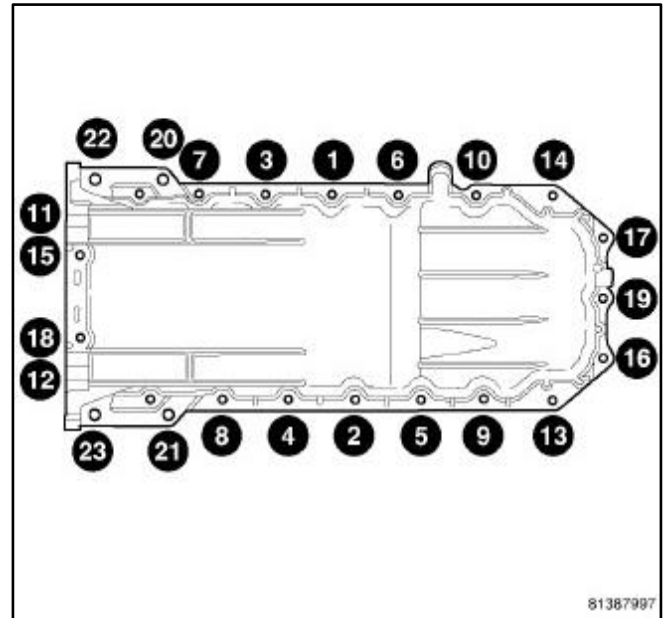
REMOVAL OF FRONT SUMP OIL PAN

Unbolt and remove the oil indicator tube from oil pan, located between retaining bolts 6 and 10. Once unbolted; pull up firmly to remove oil indicator tube.

NOTE: Do not pry on the oil pan or oil pan gasket. The oil pan gasket is integral to the engine windage tray and does not come out with the oil pan

Remove the M10 retaining bolts (horizontal 11, 12, 15, 18 and vertical 20, 21, 22, 23) from the rear of the oil pan to the transmission.

Remove the M6 retaining bolts and remove the oil pan.

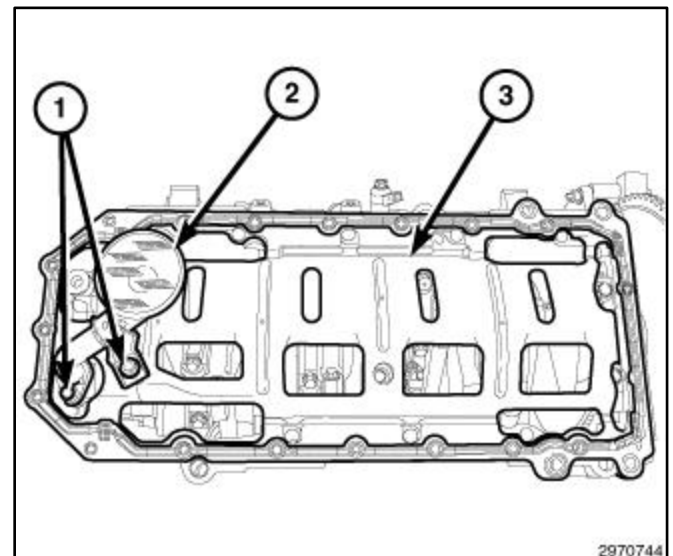


Remove the oil pump pickup tube retaining bolt and nut (1). Nut will only be on the 6.4L engine.

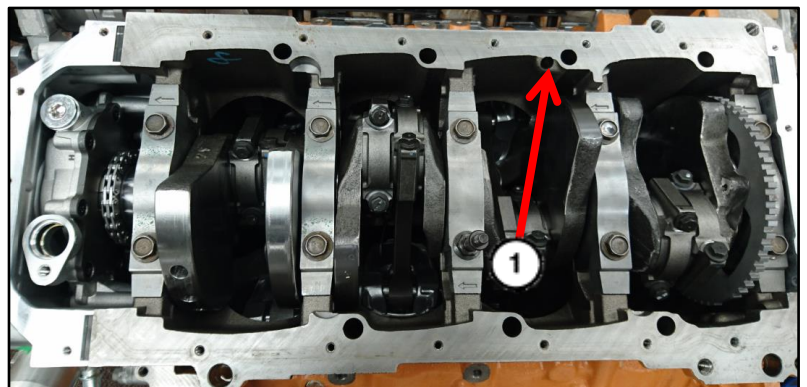
Remove the oil pump pickup tube (2).

Remove and discard the oil pan gasket/windage tray (3).

Clean the oil pan gasket mating surface of the block and oil pan.



Remove the oil indicator tube plug (1) from the engine block using a punch. A spare plug is included in the kit should you choose to reinstall the front sump oil pan.

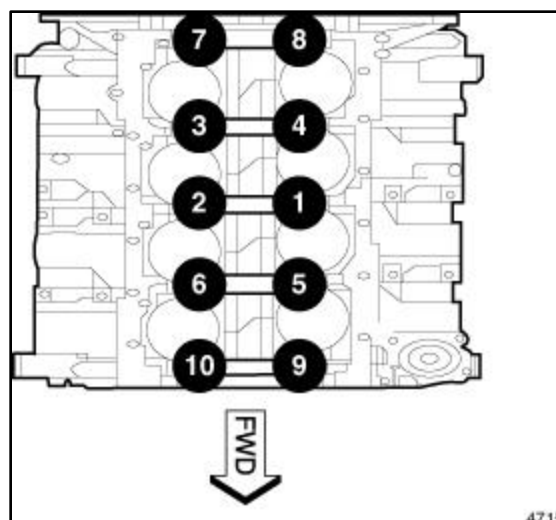


6.4L:

Remove the main cap double ended stud (9) and the middle main cap bolt (1).

5.7L:

Remove the middle main cap bolt (1).



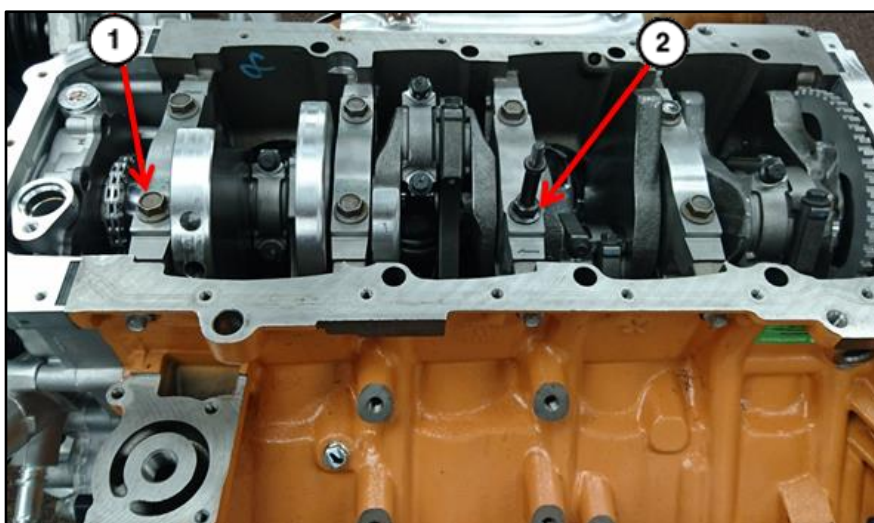
INSTALLATION OF REAR SUMP OIL PAN

6.4L:

Reinstall the main cap bolt removed from the middle to the first location (1). Install the new main cap double ended stud to the middle location (2). Torque to 28 N·m (21 ft. lbs.) then rotate the main cap bolt and double ended stud an additional 90° turn.

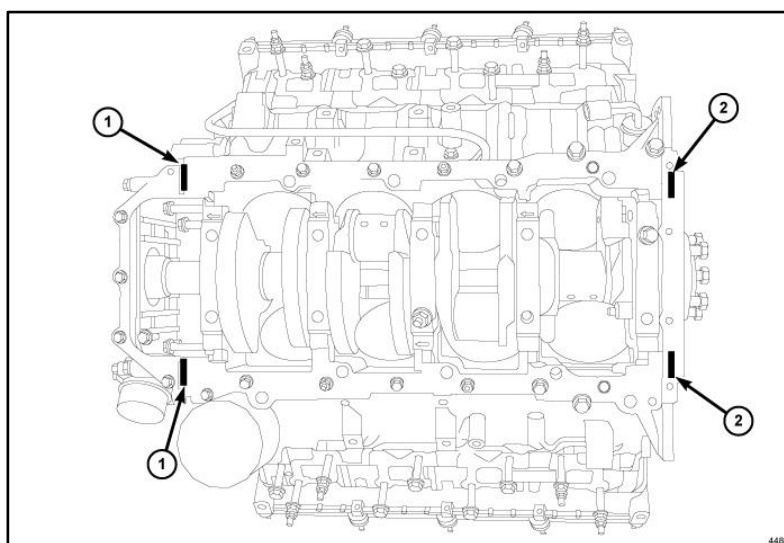
5.7L:

Install the new main cap double ended stud to the middle location (2). Torque to 28 N·m (21 ft. lbs.) then rotate the main cap double ended stud an additional 90° turn.



NOTE: Mopar® Engine RTV must be applied to the four T-joints (1,2). The bead of RTV should cover the bottom of the gasket. This area is approximately 4.5 mm x 25 mm in each of the four T-joint locations.

Apply Mopar® Engine RTV at the T- joints (1,2)



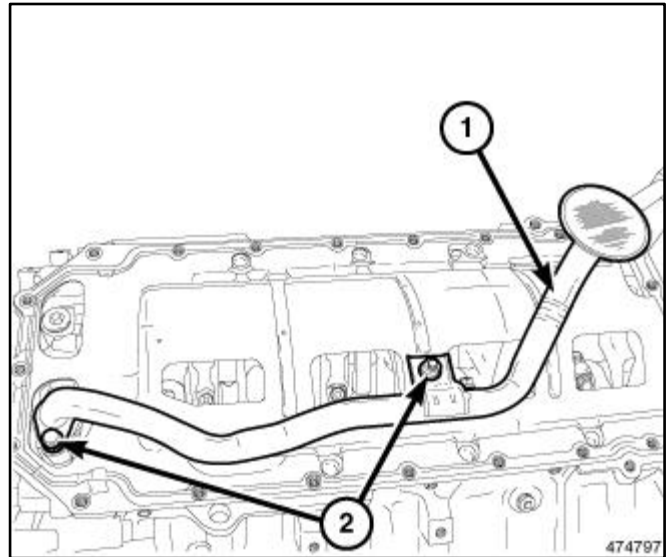
NOTE: When the oil pan is removed, a new integral windage tray and gasket assembly must be installed. The old gasket cannot be reused.

Install the correct integral windage tray and gasket.

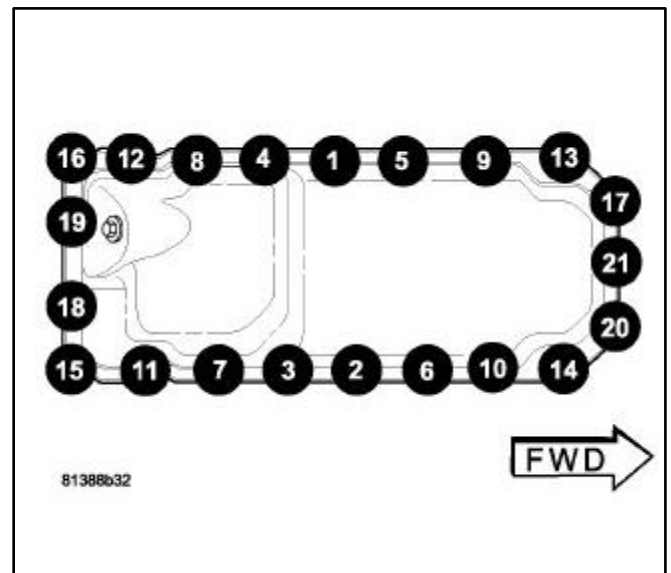
6.4L - 04893353AA

5.7L - 53021568AE

Install the oil pump pickup tube (1) with new O-ring (blue).
Install the oil pump pickup tube retaining bolt and nut (2).
Tighten fasteners to 28 N·m (21 ft.lbs.).



Position the oil pan and install the mounting bolts. Tighten the mounting bolts to 12 N·m (105 in.lbs.) in the order shown (1-21).



Install new O-ring (1) (red) to indicator tube and firmly insert indicator tube into position on the engine block. To ensure the indicator tube is fully seated, align lower bracket to the bolt hole on the engine block and install a bolt (06508065AA).

Fill engine with oil using correct oil listed below. Verify correct oil fill level using the dipstick provided in kit.

Start engine and check for leaks.



Engine Oil

For best performance and maximum protection under all types of operating conditions, the manufacturer only recommends full synthetic engine oils that meet the American Petroleum Institute (API) categories of SN.

The engine oil filler cap also shows the recommended engine oil viscosity for the engine. Use synthetic engine oils provided the recommended oil quality requirements are met, and the recommended maintenance intervals for oil and filter changes are followed. Synthetic engine oils which do not have both the engine oil certification mark and the correct SAE viscosity grade number should not be used. The manufacturer strongly recommends against the addition of any additives (other than leak detection dyes) to the engine oil. Engine oil is an engineered product and its performance may be impaired by supplemental additives.

5.7L	SAE 5W-20, Synthetic API Certified	FCA Material Standard MS-6395	6.6 Liters	7 Quarts
6.4L	SAE 0W-40, Synthetic API Certified	FCA Material Standard MS-12633	6.6 Liters	7 Quarts

To assure proper engine lubrication, the engine oil must be maintained at the correct level. Check the oil level at regular intervals, such as once a month. The best time to check the engine oil level is about five minutes after a fully warmed engine is shut off. Checking the oil while the vehicle is on level ground will improve the accuracy of the oil level readings. Maintain the oil level in the "SAFE" range. Adding 1.0 quart (.95 liters) of oil when the reading is at the bottom of the "SAFE" range will result in an oil level at the top of the "SAFE" range on these engines.

NOTICE

- Overfilling or underfilling will cause oil aeration or loss of oil pressure. This could damage your engine.
- Under no circumstances should oil change intervals exceed 6,000 miles (10,000 km) or six months, whichever occurs first.
- Do not use chemical flushes in your engine oil as the chemicals can damage your engine