Weiand® Oil Pan Kits
Installation Instructions

NOTE: Read all instructions carefully before attempting the installation.

Thank you for making WEIAND your choice for a high-performance fabricated oil pan. Proper installation and maintenance will ensure long life and maximum performance from your WEIAND oil pan.

PARTS INCLUDED:

- Application specific Oil Pan
- Oil Pump Pickup
- Oil Pan gasket
- Hex Head Pan mounting bolt kit (1/4-20, Head Size 5/16" or 5/16" -18, Head Size 3/8" **depending on application**)

RECOMMENDED TOOLS:

Gasket Scraper	1/4" or 3/8" Sockets	1/4" or 1/2" Ratchets
3/8" or 1/2" x 6" Extension	Jack Stands	Floor Jack
Box Cutter or Small Knife	Gasket Cement or Sealer	Brake Cleaner or equivalent
Thread Cleaner Tool	Torque Wrench	

Please call tech service at **1-270-781-9741** or **1-866-464-6553** for additional information regarding this or any other WEIAND products.

BEFORE STARTING:

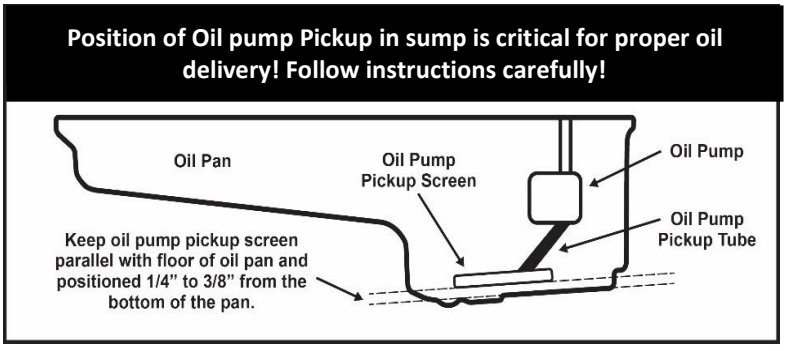
Place the vehicle in an adequately lit and ventilated location where the floor is solid and flat. DO NOT work on a hot engine. Heat causes metal to expand and makes the removal of fasteners more difficult. Please be sure to wear the proper safety equipment; eye goggles and gloves are recommended to ensure a safe installation. (**Read Instructions prior to installation**).

1. If you are installing a WEIAND oil pan kit on a currently operating engine, remove old gasket material from the engine blocks side rails, making sure no residue, grime, dirt, etc. remain in the tapped bolt-holes in the block. For best installation results, use a bottoming tap or thread cleaner tool and clean out with compressed air. Also be sure to remove the main bearing pan seal and pan seal located in the timing gear cover. Clean away ant residual gasket material or seal.

2. If installing a WEIAND oil pan kit on an engine being built, make sure all appropriate gasket surfaces (as mentioned above) have been properly cleaned and prepared for new gaskets and seals.

3. Carefully remove dipstick holder (if applicable), dipstick, temperature sending units, and any other components necessary to gain clear access to oil pan and oil pan hardware.

4. Install the WEIAND oil pump pickup in the oil pump housing. Trial-fit the pump into the engine to confirm that the base of the pump is parallel to the lowest level of the oil pan (sump) (reference illustration). In some cases, it may be necessary to adjust the pickup position to correct alignment with the lowest level of the oil pan (sump).



NOTE: It is strongly recommended that you tack-weld the oil pump pickup tube to the pump housing, this will provide a solid connection between the pump and pickup tube to prevent separation during severe use or vibration.

5. With the oil pump temporarily installed and without gaskets or seals in place, trial-fit the oil pan and rotate engine by hand to ensure there is clearance for the rotating assembly as well as all components (oil pump pickup tube, pan baffles, etc.). If no adjustments are necessary, remove the oil pan and permanently install the oil pump. Measure the distance between the oil pump pickup screen and the lowest point of the pan (sump). There must be between 1/4"-3/8" spacing with the oil pan gasket installed.

6. If no adjustments are required, proceed with preparation of gasket and oil pan for installation.

7. Using some form of gasket cement or sealer, position and glue side rail gaskets to the cylinder block. Make certain all appropriate bolts holes between the block and the gaskets are properly aligned. **NOTE**: Please use supplied gasket or OE equivalent, the use of extra thick gaskets may cause engine damage due to oil pressure loss caused by the increased distance between pickup and sump. Pan warping and oil leaks may also occur. NOTE: we recommend the use of an RTV or "room temperature vulcanizing" gasket sealer between the end seals and grooves into which the seals are seated.

8. Position pan onto the side rails and over the end seals. Install all oil pan bolts, making sure bolts thread in easily before starting the bolt tightening process. Tighten fasteners to 12-ft. lbs. by starting with the center of the pan rails and work toward the end seals. **DO NOT OVERTIGHTEN THE PAN BOLTS!**

9. Re-Install any accessories from STEP 3 previously removed during the oil pan installation. Make sure all connections are secure.

10. Fill engine with oil and check proper fill level via dipstick.

11. Start the engine and bring up to operating temperature. Check for leaks. Turn engine off and allow to cool. Re-Torque all bolts to compensate for gasket compression and initial heat cycle. **DO NOT OVERTIGHTEN THE PAN BOLTS!** Overtightening of oil pan bolts produces excessive gasket compression in the area of the fastener which will lead to future leaks.

12. Give vehicle a test drive checking carefully for any new noises or leaks.

13. After several days of driving, check connections and re-tighten all bolts.

Weiand Oil Pan Part #	Pan Capacity (Quarts)	Weiand Oil Pan Part #	Pan Capacity (Quarts)	Weiand Oil Pan Part #	Pan Capacity (Quarts)	Weiand Oil Pan Part #	Pan Capacity (Quarts)
5000WND	7.0	**5011WND**	6.0	**5022WND**	6.0	**5033WND**	6.0
5001WND	7.0	**5012WND**	4.0	**5023WND**	6.0	**5034WND**	8.0
5002WND	7.0	**5013WND**	4.0	**5024WND**	7.0	**5035WND**	8.0
5003WND	7.0	**5014WND**	8.0	**5025WND**	7.0	**5036WND**	7.0
5004WND	7.0	**5015WND**	8.0	**5026WND**	7.0	**5037WND**	7.0
5005WND	7.0	**5016WND**	7.0	**5027WND**	7.0	**5038WND**	7.0
5006WND	7.0	**5017WND**	7.0	**5028WND**	7.0	**5039WND**	7.0
5007WND	7.0	**5018WND**	6.0	**5029WND**	7.0	**5040WND**	7.0
5008WND	6.0	**5019WND**	6.0	**5030WND**	7.0	**5041WND**	7.0
5009WND	6.0	**5020WND**	6.0	**5031WND**	7.0		
5010WND	6.0	**5021WND**	6.0	**5032WND**	6.0		

Technical Support: **1-866-464-6553** or **1-270-781-9741**. For online help, please go to **www.holley.com**.

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