

INSTALLATION INSTRUCTIONS

DRAG SPECIALTIES OIL FILTER DRAIN TRAY P/N DS-310247/8/9

ATTENTION INSTALLER (if other than owner): Please forward this Instruction Sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user

INTRODUCTION: These instructions describe the procedure for properly draining and removing the oil filter.

Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations.

NOTE: A NOTE provides key information to make procedures easier or clearer.

CAUTION: A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle and/or accessories.

WARNING!: A WARNING indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.

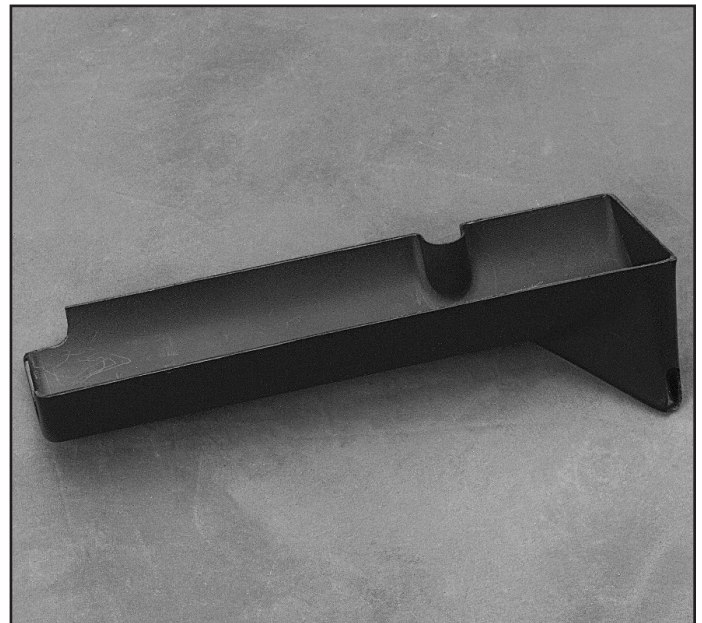
TOOLS REQUIRED:

Oil filter wrench
Hammer
Center punch
Oil pan & drain tray

PROCEDURE:

NOTE: These instructions will show you how to drain and remove your oil filter without having a big mess of drain oil run down the front of your motor and frame. You may have to trim the drain tray slightly if you have modified your bike, such as installing a Jagg oil cooler adapter.

1. Warm the engine and oil thoroughly first.
2. Place motorcycle on the side stand on a stable paved surface. The motorcycle must remain on the side stand while the oil filter is draining!



DS-310249 For Twin Cam Applications

3. Using your oil filter wrench, loosen the filter less than $1/8^{\text{th}}$ turn. You just want to make sure the filter will come loose before you proceed any further.
4. Place the drain tray under the filter, making sure that it is up tight against the filter mount.
5. Using a hammer and center punch, make a hole in the filter housing on the end at the top. Remove the center punch.



DRAG
Specialties

3501 Kennedy Rd, PO Box 5222, Janesville, WI 53547-5222
P/N DS310247/8/9

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6. Using the filter wrench, turn the filter $\frac{1}{2}$ turn so the hole you made in step five is at the bottom.



CAUTION: Do not unscrew the filter more than $\frac{1}{2}$ turn!

7. Allow the oil to drain from the filter. While it is draining, now would be a good time to also drain the oil tank.



8. Once the oil has stopped draining from the filter, remove the filter from the filter housing, making sure that the drain tray is up tightly against the filter housing.

NOTE: There is a small quantity of oil that will remain in the end of the old filter. By making sure that the drain tray is tightly against the filter housing when removing the old filter, this oil will remain in the tray and not run down the front of the motor.



9. Dispose of the used filter and oil in an environmentally acceptable manner.
10. Clean the mounting surface on the filter mount with a clean cloth.
11. Using fresh oil spread a light film on the rubber gasket on the new filter.
12. Again using fresh oil, pour oil into the filter until it is almost half full. Let filter sit for a few minutes to soak the oil into the new filter element.
13. Install new filter, taking care not to tip the mounting end of the filter down so the oil does not run out of the new filter.
14. Tighten filter by hand $\frac{1}{2}$ to $\frac{3}{4}$ turn past the point where the filter gasket contacts the housing. Do not use filter wrench to tighten filter!
15. Install the correct quantity and weight oil in the oil tank after reinstalling the drain plug.
16. Test run the motor for a few minutes and then check for any leaks at the filter and drain plug area.
17. Check oil level again and top off to correct level.

WARNING! Before operating motorcycle, be sure all hardware is tight and there are no leaks.

