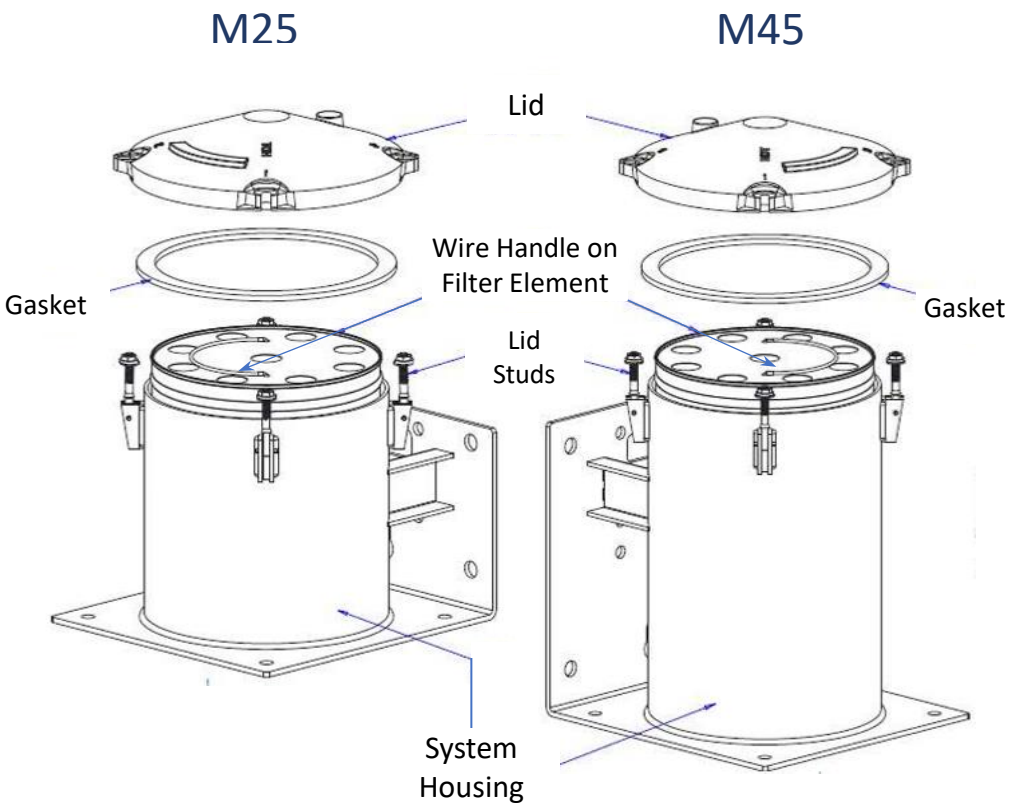
PURADYN OIL FILTER REPLACEMENT INSTRUCTIONS
M25 (MTS40) and M45 (MTS60)

System Number	Filter Types & Part Numbers			Filter Dimensions (Diameter x Height)
	No Additive Hydraulics, Transmissions, or Natural Gas Vehicles	XD Heavy-duty engine lube oil (e.g. diesel and gas engines)	SNG Hydraulics, Transmissions, or Natural Gas Vehicles	
M25 or MTS 40	02-M25N (was 02-00406)	02-M25X (was 02-00407)	02-M25S (was 02-00408)	7.6 in. x 7.2 in.
M45 or MTS 60	02-M45N (was 02-00606)	02-M45X (was 02-00607)	02-M45S (was 02-00608)	7.6 in. x 11.2 in.

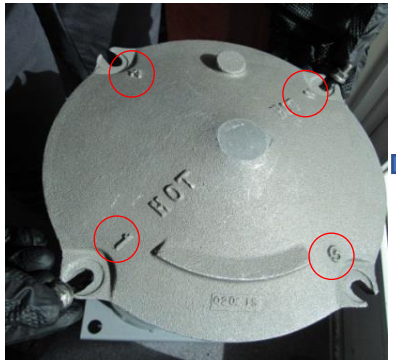
1. Before changing the filter, take an oil sample using instructions found on next page.
2. Either shut off engine or close shut-off valve to stop oil flow to the Puradyn unit. Wait a few minutes to allow oil to drain from unit before changing the filter element.
3. Loosen the four nuts on lid retaining studs enough to allow the studs to swing clear of head.
   ⚠ **The lid may be HOT.**
4. Remove the lid from unit canister and set it down gasket side up. Check flat gasket inside lid for excessive wear or splitting. If needed, replacement flat lid gasket sold in a set of four. (p/n 18-40014)
5. To reduce spillage, you may use the Oil Drain Plug found under the system housing to drain all standing oil before removing the filter.
6. ⚠ **Filter element may be HOT, and top cut-outs may have sharp edges.** Using the wire handle, firmly twist filter less than a one-quarter turn to disconnect and pull up to remove. Remove new filter element from plastic bag and place old filter into bag to help prevent oil spills. Close bag with supplied tie wrap and dispose.
7. Insert the new filter element in the unit, making sure the rubber grommet at the bottom fits securely over the nipple at the bottom of the unit canister.
8. Place the lid on unit and swing the four studs into position to tighten.
9. Following the 1-2-3-4 numbering pattern on top of lid, tighten the nuts securely (5-8 ft-lbs torque). For more information or if torque wrench is not available, see next page.
10. **Add replacement oil to the sump – 1.0g (3.8L) for M25, 1.5g (5.7L) for M45**
11. Check oil level after 30 minutes running time to determine if more makeup oil is needed.



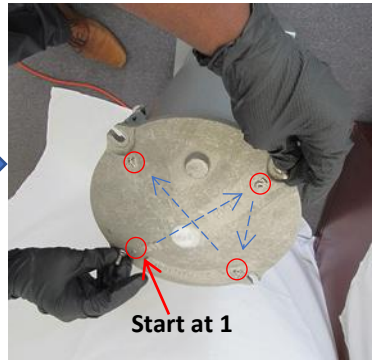
Procedures For Correct Closing and Sealing Of System After Filter Replacement



1. Line up torque bolts with slots on lid, and place lid centered on top of canister rim to get a proper seal.

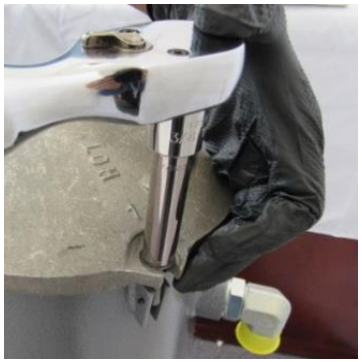


2. Flip bolts to the upright position, look for numbers **1, 2, 3, 4** on top of lid



3. Following the 1-2-3-4 numbering pattern on top of lid, tighten the nuts securely with a torque wrench set to 5-8 ft-lbs torque.

If torque wrench is not available, hand-tighten each bolt and go to Steps 4-6 (below)



4. Starting with corresponding number **1**, tighten lid bolt with **12** no. of ¼ (90-degree) wrench turns



5. On corresponding number **2**, tighten lid bolt with **8** no. of ¼ (90-degree) wrench turns *(do not exceed 8 no. of ¼ wrench turns)*



6. On corresponding numbers **3 and 4**, tighten lid bolt with **6-7** no. of ¼ (90-degree) wrench turns *(do not exceed 8 no. of ¼ wrench turns)*



Completely Closed Puradyn System

INSTRUCTIONS FOR TAKING AN OIL SAMPLE

1. Engine must be running at normal operating temperature for sample to be taken accurately.
2. Open sample valve and flush about 1-2 ounces of oil to remove debris from valve.
3. Take sample of oil (2-3 ounces) using supplied bottle
4. Close sample valve and tighten securely.
5. Secure the lid on oil sample bottle and place inside the oil sample container.
6. Fill in all information requested on the oil sample form and mail the pre-labeled & pre-paid container to the lab.