INSTALLATION MANUAL

puraDYN Bypass Oil Filtration Systems

M03
(prev. MTS8)

M06W
(prev. MTS12)

M06
(prev. MTS 8X12)

M10
(prev. MTS24)

Puradyn Support: +1 561.547.9499 | info@puradyn.com

An electronic version of this document is available at www.puradyn.com/systems

Thank you for choosing puraDYN®

The information in this manual will assist you in the installation of the **pura**DYN® Oil Filtration System.

The **pura**DYN® System has no moving parts and is designed for years of trouble-free operation. Working in conjunction with the Original Equipment Manufacturer (OEM) full flow filter, it safely and effectively extends the life of lubrication oil, which reduces the need for oil changes and improves equipment performance with reduced component wear.

When you would otherwise typically change oil (as recommended by the OEM), complete an oil analysis and replace the **pura**DYN® filter element. If the oil analysis confirms the oil is still safe to use, there is no need to change it.

How does it work?

- Oil enters the **pura**DYN® filter through a metering jet located inside the base of the System's housing unit. The metering jet reduces the flow of oil going through the **pura**DYN® filter to 6-8 gallons per hour.

- Oil passes through our patented polymer, which absorbs water, a harmful liquid contaminant emulsified in the oil. The oil continues to flow through cotton media treated with our proprietary chemical grafting process, which naturally traps other solid contaminants down to below one micron.

- Certain **pura**DYN® filter elements also include time-released additives designed to replenish depleted base additives specific to equipment type, thereby maintaining the oil's chemical balance and viscosity.

- The clean oil then exits the System through a return line back to the oil pan or sump. This cycle continues as long as the equipment is operating.

If you have questions at any time during the installation, please contact us at: +1 561.547.9499 or info@puradyn.com.

Note: Use of anything other than a genuine puraDYN® **Filter Element voids the pura**DYN® **Product Warranty.**

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Required Tools and Items for puraDYN® System Installation

- Drill and assorted drill bits
- Teflon paste or equivalent thread sealant
- Open-end wrench assortment
- 3/8” or ½” drive ratchet with socket assortment
- Large, adjustable crescent wrench
- Hacksaw
- Utility knife
- Center punch
- Optional banjo fitting to make return hose connection to the engine
- 3/16” I.D. high-pressure hose
- 13/32” I.D. return hose
- Oil analysis kit(s)
- New OEM full-flow oil filter(s)
- New oil, as recommended by the engine manufacturer
- Oil pressure gauge (to verify oil pressure is below 110 psi)
- Compressed air to blow out pressure hose upon assembling fittings
- Safety eye protectors (shop type)
- Protective gloves to handle hot oil
- Allen wrenches (U.S. standard sizes)

Installation Overview

- Verify parts received. Contact Puradyn at +1 561 547 9499 or info@puradyn.com, if any parts are missing or damaged.
- Survey equipment or vehicle to determine the mounting location.
- Verify adequate physical housing unit clearance, accessibility of oil sample valve & room for oil sample bottle; also, check that there is enough clearance to change filter element.
- Inspect the new pre-assembled (Plug and Play) housing unit and other accessories.
- Use the mounting-hole template to locate the mounting holes onto the designated location.
- Drill out the holes; install the center hinge-pin bolt with about ½" slack.
- Hang the pre-assembled System onto this center hinge-pin bolt. Tighten up slightly and position other mounting holes to be lined up with the L-bracket plate. Fastened all the mounting bolts onto the firewall or structural frame wall.
- Attach oil supply line to **pura**DYN® System and engine or equipment supply port (ex. oil galley).
- Attach oil return line to **pura**DYN® System.
- Drain old oil completely from equipment, taking an oil sample of the drained oil to use as a reference to the current engine and oil condition.
- Install new OEM full flow filter per OEM instructions.
- Connect the other side of oil return line to engine or equipment's (non-pressurized) sump.
- Refill engine with new oil, taking another oil sample to establish a base line of the new oil that will be used.
- After System installation is completed, please go to System Start-Up section of this manual for a step-by-step start-up/operation test.

Important Continuous Maintenance Reminders

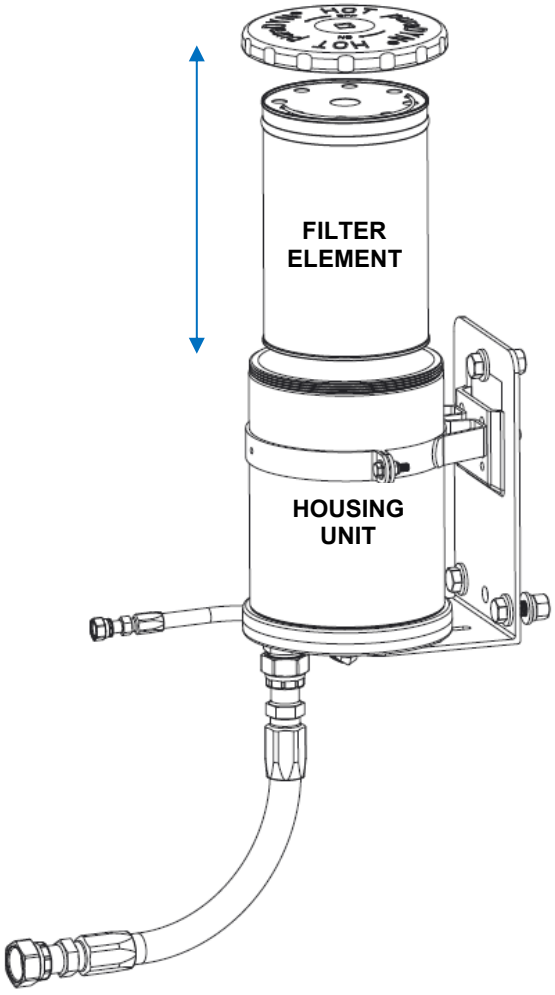
- Please review maintenance schedule for recommended filter change intervals –if you need help generating your oil service interval schedule with **pura**DYN® System, please call Puradyn's technical support team.
- Use oil analysis to confirm oil is good for continued use. Change oil according to oil analysis recommendation.
- Maintain a good preventive maintenance program on engine and equipment.
- Routinely check oil level using engine dipstick.
- Please reference System Startup page for adding required quantity of (make-up) oil and note, the added oil must be compatible with oil already in the system. Example. API–CJ-4 (API category and brand may have differences in the additive package)

Vertical Clearance Requirement

In order to change the filter element after installation, the following vertical clearance minimum **above** the housing unit must be maintained:

Vertical Clearance Minimum:

M03	*8 in / 21 cm*
M06W	*8 in / 21 cm*
M06	*12 in / 31 cm*
M10	*12 in / 31 cm*



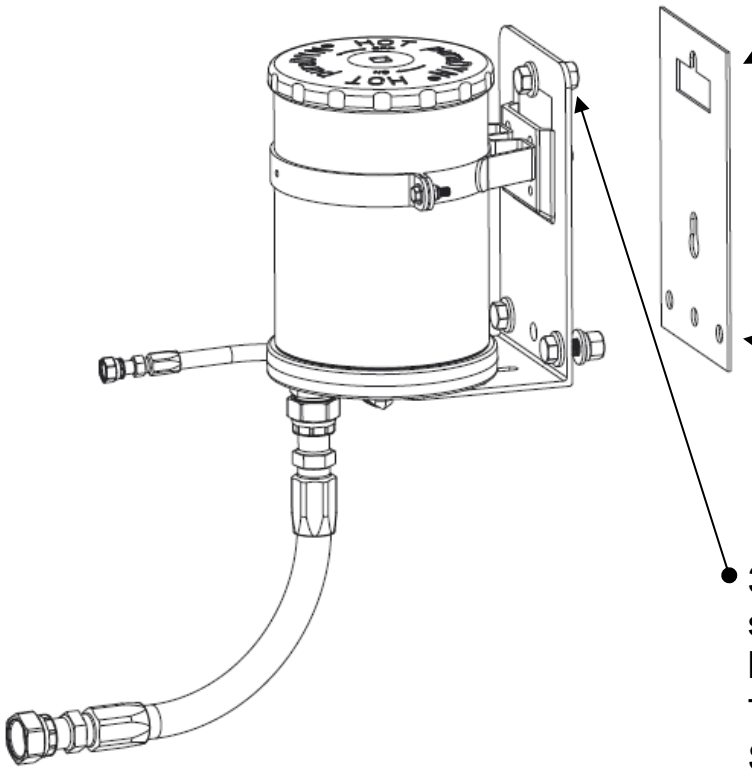
Choose a secure mounting location on the fender well, firewall, frame rail, vertical post, beam or cowl that meets these requirements:

- Install the System near oil return port (sump) and keep the return hose as short as possible. Do not mount the System directly onto the engine.
- Maintain enough space in both the horizontal and vertical direction so the System (including mounting hardware) will not interfere with engine parts, suspension components, steering linkage, brake lines, electrical system, or engine control hardware. Check for moving component clearance: i.e., tire clearance, right full turn, left full turn, while suspension is unloaded and fully loaded.
- Select thick gauge mounting frame location, so the weight of the System doesn't cause metal fatigue or damage.
- Keep a safe distance from hot exhaust system components.

CAUTION! Avoid high-vibration mounting locations, which can cause the bolts to loosen during operation.

Mounting Instructions

Mount the **pura**DYN® housing unit vertically and level.



1. Use the hole-template (included) to locate and prepare the hinge holes needed on the engine firewall, beam, structural frame or rail. These holes should be vertically & horizontally aligned.

2. Use this hole-template to locate and prepare the positional holes for L-bracket for final tighten down.

3. This hinge bolt, lock-washer & nut shall be installed first, on the selected location (but not tightened-down yet). Then the pre-assembled **pura**DYN® System can be hanged on this hinge bolt, so that other bolts and hardware can be secured more easily.

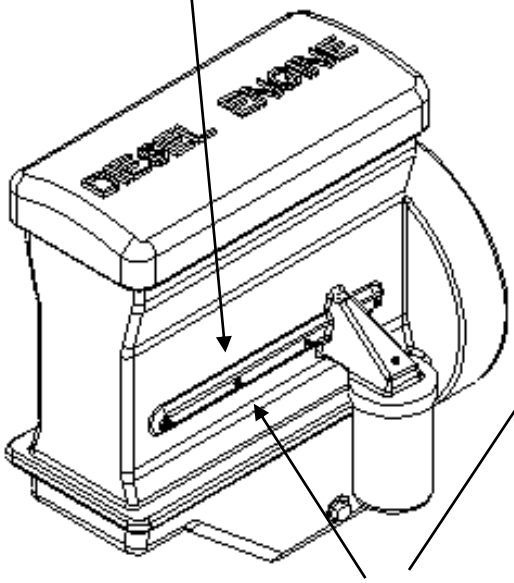
CAUTION: Always check/consult with the Original Equipment Manufacturer for approval before drilling any new holes (or welding) into equipment frame rails, firewall, beam, post, etc.

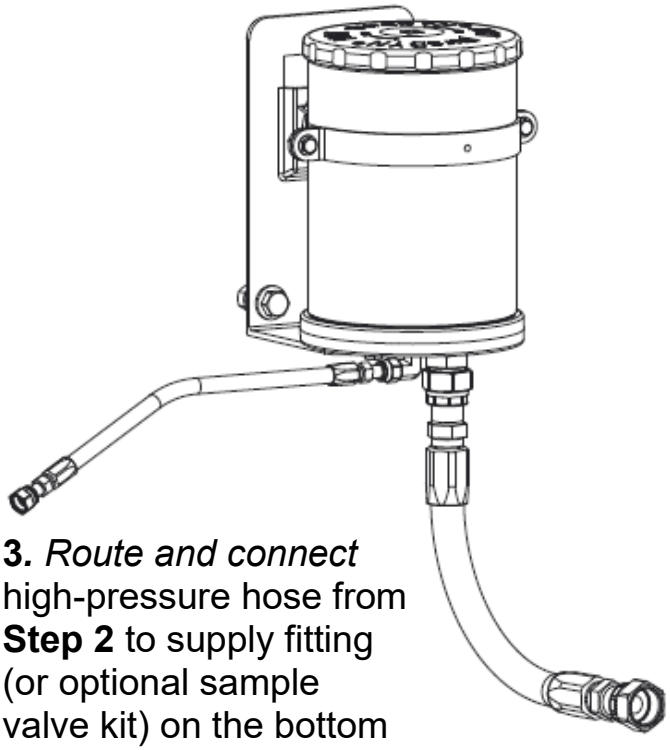
Puradyn recommends utilizing existing holes, where possible, in the frame rail, firewall, beam, or structural frame to mount the L-bracket.

Note: Mounting clamps/brackets, pads, and hardware may vary from above illustration.

Install Oil Supply (Pressure) Line

1. Locate oil galley plug, oil pressure sending unit or other pressurized oil port or galley.

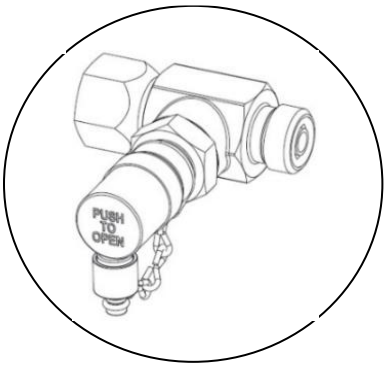




3. *Route and connect* high-pressure hose from **Step 2** to supply fitting (or optional sample valve kit) on the bottom of the housing unit.

2. Install shutoff valve fitting to oil supply port. Connect high-pressure hose (prepared earlier) to this installed shutoff valve fitting.

Sample Valve kit
Option: **15-00245**



Install pressure port fittings

Step 1. Find the oil pressure sending unit or port plug along oil galley on the engine. The oil pressure sending unit normally has a wire or cable running to the engine control unit (ECU). If you are unable to connect to the oil pressure sending unit, find another pressurized oil port (usually near the factory full-flow oil filter) that you can connect to for oil supply. **Note: It is recommended to put a gauge on the selected port and run the engine at high idle to verify the oil pressure under operation. As long as the oil pressure is under 65 psi, you can install the standard metering jet. If the pressure is above 65 psi, please contact Puradyn technical staff for recommendation.**

Step 2. After locating the oil port that you will be connecting to, install the shutoff valve supplied from the kits bag, and install the fitting to the oil port (also, a 1/8” street tee and 1/4” NPT bushing have been supplied for different adaptation).

Step 3. Route the high-pressure hose from **Step 2** to the bottom of the housing unit and connect it to the supply fitting. **Note: After the System installation is complete, remember to open the Shutoff valve, so the oil can travel from the engine to the pura**DYN® **System.**

Proper installation of Reusable Fittings to Hose(s)

The **pura**DYN® System operates with a pressurized oil supply from the engine oil pump. The return and supply hoses are not included in the standard model but can be supplied by Puradyn, your dealer, or most auto or hydraulic parts stores – these are sometimes custom-made for specific kits where length of hose has been pre-determined.

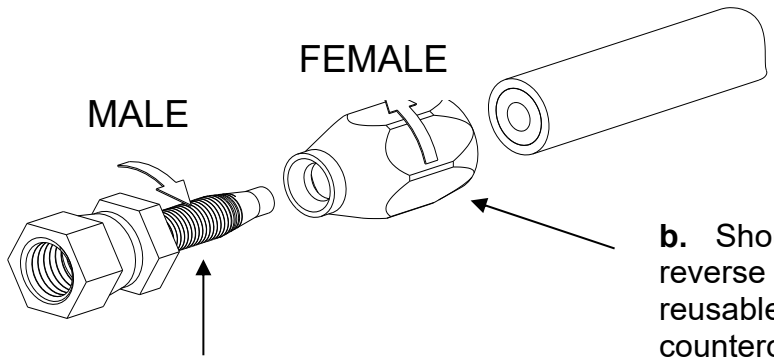
- Use 3/16" I.D., 3000 psi fully braided hose rated for hydraulic oil (Puradyn p/n 08-00003, Weatherhead p/n H06904, or Aeroquip p/n FC350-4 or equivalent).
- Use proper sealants for the installation of all fittings.

Take the two supplied high-pressure flared reusable fittings and install them in the following manner:

a. The shoulder nut has a reverse thread and must be screwed on in a counterclockwise direction. As soon as the nut starts to thread, insert the flared insert portion into the shoulder nut about three turns.

b. First, tighten the shoulder nut, with a 5/8" wrench. Next, tighten the flared insert with a 9/16" wrench. Do these steps on both fittings.

c. Remove both flared inserts, as during the threading process, the inserts pick up a small piece of rubber, which must be completely removed from the hose. Reinstall both flared inserts and blow out with high-pressure air to clear out all the debris.

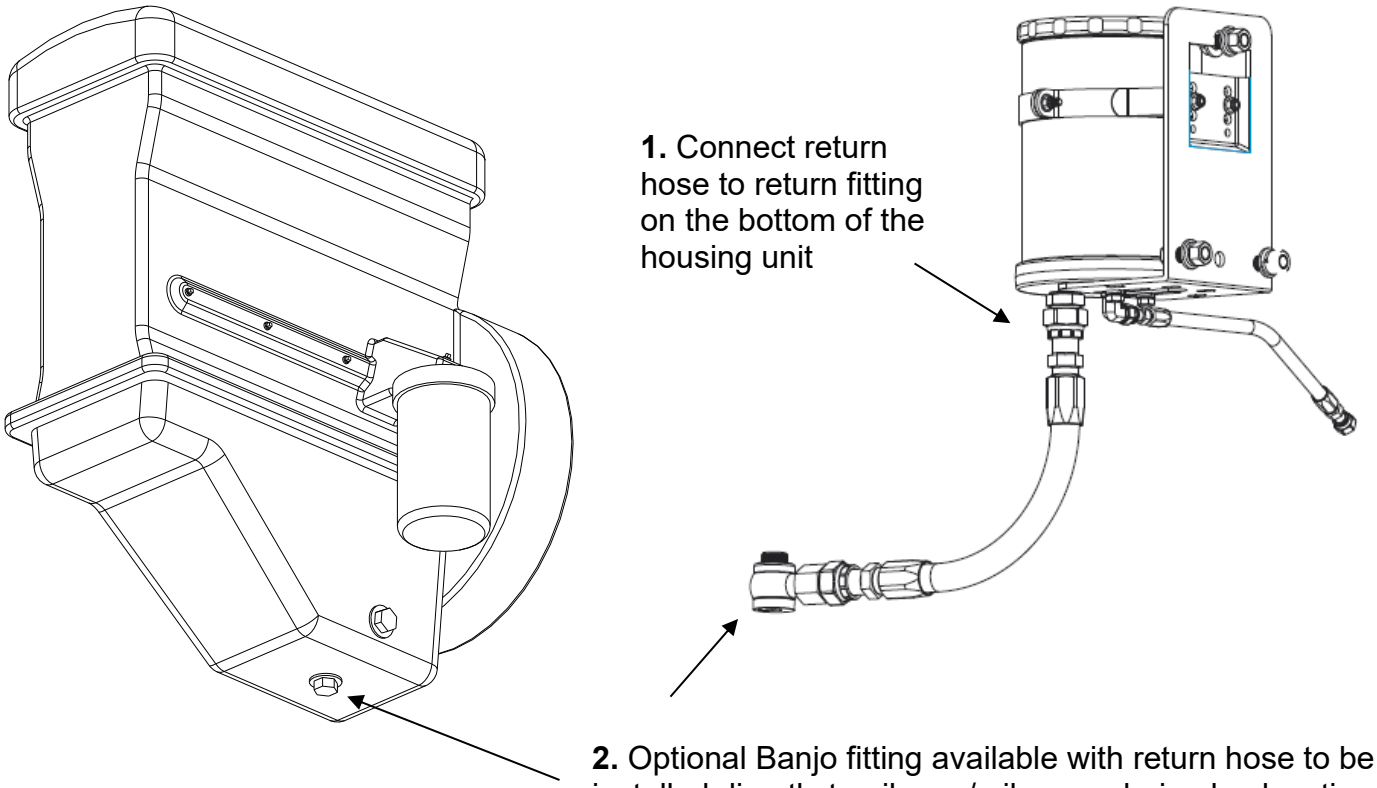


a. Cut high-pressure hose to desired length

b. Shoulder Nut: Install the reverse thread piece of the reusable hose fitting by turning counterclockwise on to the hose

c. Apply drops of oil on the flared end, so it is easier to push into the hose. Secure this hose fitting by turning clockwise into the first fitting.

Install Oil Return Line



Step 1. Locate and install the return fitting into the oil drain plug port. You may use a 90° elbow fitting or an optional banjo fitting to simplify hose attachment.

Step 2. Route the return hose to the bottom of the housing unit and connect to the O-Ring Face Seal (ORFS) return fitting.

Note:

- Banjo fittings are optional. They are NOT supplied with the **pura**DYN® housing unit.
- The return and supply hoses are not included in the standard model but can be supplied by Puradyn, your dealer, or a local hydraulic parts store that offers DOT-rated hose. These hoses are sometimes custom-made for specific applications where the length of hose has been predetermined.
    - **Specification:** Use 13/32" I.D., 2000 psi, oil-rated hose, (Puradyn part# 08-00024, Parker 201-8 or equivalent).
    - A full braided steel hose should be used with the **pura**DYN® System's optional Off-Road Kit whenever the return hose is exposed to external debris or rubbing. Please contact Puradyn for consultation if equipment requires this option.

Determining Oil Return Location & Hose Routing

Locate and determine the best locations to attach the oil return fitting.

- The oil pan
- The oil drain port
- An inspection port on the side of the oil pan or sump.

Use the following criteria to select an oil return port on the engine:

- The oil return port should be a condition of a very low-pressure or non-pressurized port on the engine. There shall not be high backpressure on return flow.
- A low-pressure or non-pressurized oil port location should be selected for connection of the oil return line fitting, engine location, such as the drain plug on oil sump, an alternate oil fill cover, or any other low-pressure or non-pressurized port location on engine.

Determine optional banjo fitting size:

Once a return location is selected, make sure that you have the correct banjo fitting to attach to the oil return port. If you are unsure of the banjo fitting size you need, please contact Technical Support at +1 561-547-9499 or info@puradyn.com.

Return Fitting Connection and Hose Routing

Remove the oil pan drain plug and drain the old oil from the oil sump. Take an oil sample to be analyzed and compared with future oil analyses.

After replacing the drain plug with a **pura**DYN® banjo fitting, install one reusable ORFS hose fitting to the return hose, and connect to the installed banjo fitting. Route the return hose to the bottom of the **pura**DYN® housing unit. Pre-measure and pre-cut the return hose to the proper length and install the other side with the reusable ORFS hose fitting. Before connecting, make sure the hose is clean and no debris is stuck in the line (use pressurized air to blow out the debris, etc.).

When routing the oil return hose from the puraDYN® System to the engine, make sure the hose does not come in contact with abrasive or moving parts or hot exhaust components. Secure the hose using supplied tie wraps.

puraDYN® System Start-Up

After installation is completed, please perform the following System Start-up to ensure the **pura**DYN® **System** is working properly:

1. Fill equipment with oil type and quantity specified by OEM, and open shut-off valve.
2. Start the engine, check for leaks. If no other issues arise, let engine run for 15 to 30 minutes then check all connections between the equipment & **pura**DYN® System again.
3. Shut the equipment down and let rest for 5 minutes.
4. Open lid and check for oil flow through the filter element. Close lid when finished. Alternately, the sample valve may be briefly opened to check for oil flow into the housing unit.
5. Add make-up oil as indicated below (make sure to use the same OEM specified oil).

System Model	Make-Up Oil Added
M03	0.75 Qt / 0.70 L
M06	1.50 Qt / 1.4 L
M06W	1.50 Qt / 1.4 L
M10	2.75 Qt / 2.6 L

Depending on size and orientation, OEM full flow filters can hold an additional quantity of oil not shown in the oil makeup table above. Please add oil as recommended by OEM.

- ✓ Use the equipment's oil level dipstick to adjust or determine the proper oil level when installing or replacing oil filters or performing routine preventive maintenance**.**

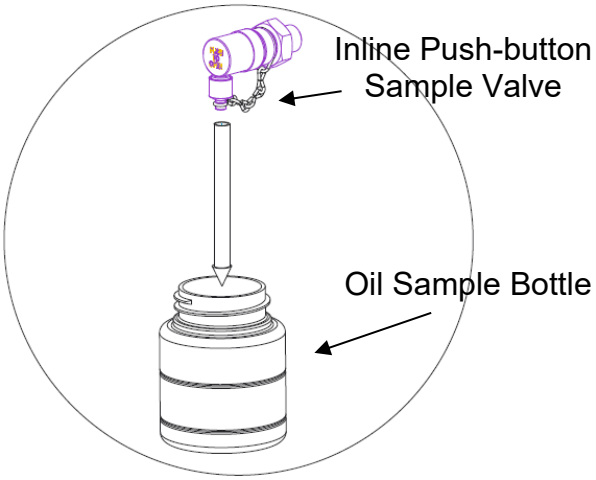
- ✓ When using a new filter element (new install or filter element replacement) remember to allow time for the new element to charge (completely fill with oil) and run for a few minutes after it is charged (filtered oil returning to oil pan) before making final adjustments to the oil level using the OEM oil level dipstick.

6. System Start-Up validated, **pura**DYN® System is ready to work.

Oil Sampling Procedures

Sampling Steps on models with a sampling valve:

- Start the engine and bring oil to operating temperature
- Open oil sample valve
- Draw off 1 cup of oil to purge sediment from oil sample valve
- Open oil sample bottle and draw off oil to fill until 3/4 full
- Close lid on bottle
- Fill out oil sample form completely and mail Oil Analysis kit to lab for analysis.



Oil analysis is the key to achieving the benefits of optimizing oil life and extending drain intervals. Typical oil analysis reports conducted by an independent laboratory will contain the following parameters and provide a recommendation to continue usage of oil OR change oil:

- Additive Metals
- Total Base Number (TBN) ability to neutralize acid
- Wear metals
- Liquid and Solid Contaminants

Note:
Oil analysis is required to maintain Puradyn's warranty and ensure your **pura**DYN® System filtered oil meets engine manufacturer's oil specifications.

Oil Analysis and Service Schedules

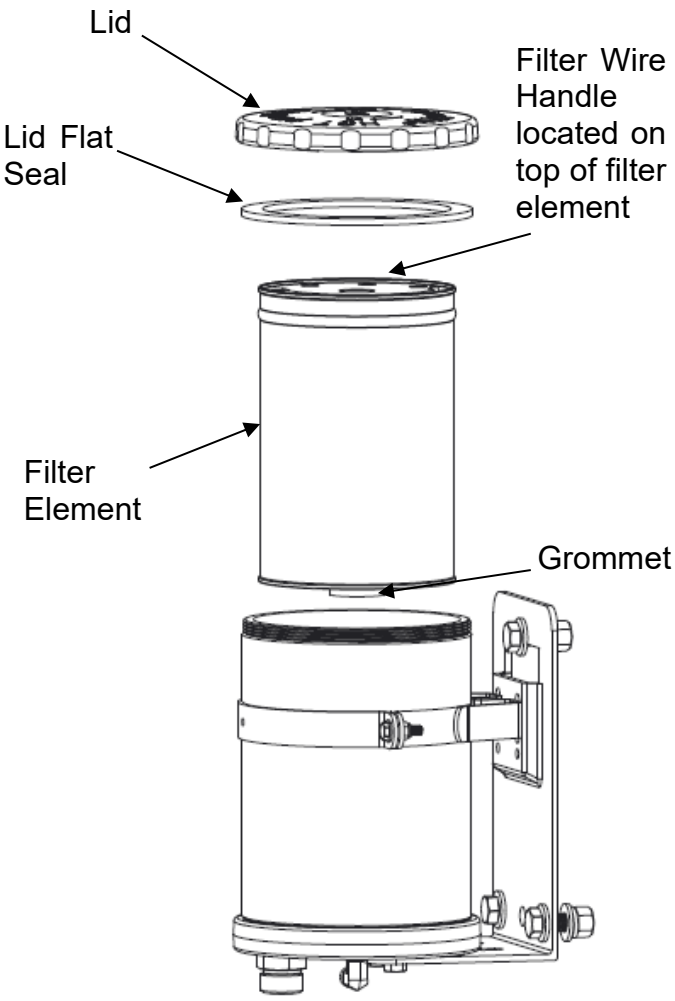
Replace the **pura**DYN® filter element and perform oil analysis at the oil change intervals recommended by your equipment's Original Equipment Manufacturer (OEM).

As long as the oil analysis confirms the oil is suitable for continued use, it does not need to be changed.

	Before puraDYN Installation	Midpoint of First OEM Interval	Each OEM interval
Take Oil Analysis Sample	✓	✓	✓
Change the **pura**DYN filter and change / clean full flow filter		✓	✓
Change Oil	✓	Only if analysis requires	Only if analysis requires

Replacing The Filter Element

WARNING:
HOUSING UNIT MAY BE HOT
USE CAUTION



Lid Removal, Filter Element Replacement and Lid Reinstall

- Using 24” –long flex handle with ½” drive, turn lid counterclockwise and remove.
- Reuse (new filter packing plastic bag) disposable bag, remove spent filter gently by pulling up on wire handle/s and drop into the plastic bag for disposal.
- Install new filter by pushing it gently down into the filter housing; make sure the rubber grommet fits securely over the nipple.
- Thoroughly clean lid and gasket surface.
- Lightly lubricate gasket with clean oil.
- Hand-install and spin lid on clockwise until contact with gasket (hand tight).
- Tighten Model M06W / M10 (prev. MTS-12 / MTS-24) lid to 55 to 65 ft-lb) torque or approximately additional half turn (after hand-tight) using the 24”-long flex handle.
- Tighten Model M03 / M06 (prev. MTS-8 / MTS-8x12) lid to (30 - 40 ft-lb) torques or approximately additional quarter turn (after hand-tight) using the 24”-long flex handle.

Troubleshooting

If your **pura**DYN® System is not functioning properly, check the following conditions, and correct as indicated:

Restricted oil flow		Remedy
• Shutoff valve closed	→	Open valve
• Filter dirty and clogged	→	Replace with new filter
• Clogged metering jet screen	→	Clean screen thoroughly
• Clogged metering jet	→	Clean assembly thoroughly

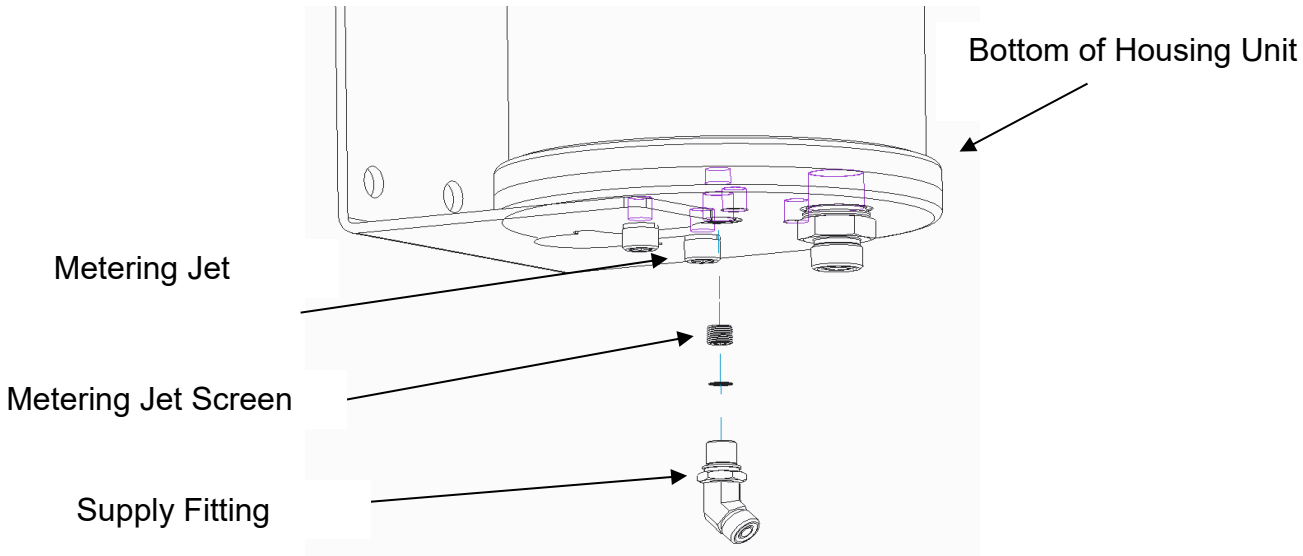
Cleaning the Metering Jet and Screen

Rarely does the metering jet itself get plugged. However, the protective mesh screen may build up debris or large particles that could impede oil flow over time.

IMPORTANT: When the equipment is turned off, carefully remove the supply hose from each supply fitting (residual oil may still be present in fittings, bypass System or hose). Blow out the oil supply hose with high air pressure before refastening supply hose. Failure to do so will result in hose, screen or metering jet becoming clogged again.

Canister and Metering Jet Disassembly

1. Loosen and remove supply fitting on the bottom of the housing unit.
2. Carefully remove metering jet screen from the supply port (use caution to avoid damaging port threads).
3. Using a Hex Drive remove the metering jet.
4. Reinstall in reverse order from Step 3.



Questions & Answers

Q. What type of oil should be used with the puraDYN® **System?**

A. Any high-quality oil with a high total base number (TBN) or additive package that meets or exceeds the specifications established or recommended by the OEM.

Q. Will the puraDYN® **System work with the new extended change interval synthetic oils?**

A. Yes. The **pura**DYN® System is completely compatible with synthetic oils. Although these oils have a superior lubrication value over mineral oils, they are still susceptible to solid contamination buildup and liquid contaminants, such as water and fuel dilution.

Q. Can the puraDYN® **System be used on any engine?**

A. The **pura**DYN® System can be installed on almost any engine, such as automobiles, trucks, buses, boats, generators, or any other types of industrial equipment with an engine or pressurized lubricating system.

Q. Will the installation of the puraDYN® **System on my engine or other type of equipment affects the manufacturer's warranty?**

A. No. The **pura**DYN® System is a bypass filter that cleans the oil at a rate of 6 gallons (24 liters) per hour and is used in addition to the OEM full flow filter. It enhances the OEM full flow filter's performance, greatly extending its life. We have opinion letters from most major engine manufacturers, such as Detroit Diesel, Caterpillar, Cummins, Ford Motor Co., and many others (copies available upon request), which state that the installation and use of a non-factory accessory, such as the **pura**DYN® System, does not, in itself, void the manufacturer's warranty.

Q. Can the puraDYN® **System be used on other equipment besides engines?**

A. Yes. The **pura**DYN® System can be used on many types of hydraulic equipment, compressors, as well as most engines that do not use a pressurized sump.

Q. How difficult is it to install the puraDYN® **System?**

A. The **pura**DYN® System can be easily installed on almost any engine (this includes engines with metric fittings) in usually 2 hours or less. Detailed instructions for do-it-yourself installations are provided, or any qualified mechanic can easily perform the installation.

Q. Will the puraDYN® **System cause a drop in oil pressure?**

A. No. The oil will build up a head of pressure against the metering jet at the bottom of the **pura**DYN® System and will not change the oil pressure of the engine or affect the normal operation of the engine or the OEM full-flow filter.

Q. At what rate does the puraDYN® **System clean the oil?**

R. The **pura**DYN® System cleans the oil at approximately 6 gallons per hour at 65 psi.

Q. What is the puraDYN® **System warranty?**

A. The **pura**DYN® System carries a 5-year unlimited miles or hours warranty against defects in materials and workmanship, with a six-month money-back performance guarantee. Consumables not covered include O-rings, gaskets, and filter elements from normal wear. Please call Puradyn for more details.

Q. Should I change my existing oil when fitting a puraDYN® **System to my truck, car, or other equipment?**

A. Yes. It is best to start out with new oil where the viscosity and additive levels are a known factor. In addition, we recommend taking a sample of the new oil and a sample of the drained oil to establish a baseline for later comparisons.

Puradyn Filter Technologies Incorporated

PRODUCT LIMITED WARRANTY

puraDYN® **Bypass Oil Filtration System**

The **pura**DYN bypass oil filtration system is warranted to be free from defects in material and workmanship for five (5) years from the date of purchase. All optional, off-the-shelf, third-party parts are not warranted.

The **pura**DYN System, including any defective part therein, must be returned to an authorized sales representative, dealer, distributor, or Puradyn within the material and workmanship warranty period. The sales representative, dealer, distributor, or Puradyn will then execute the warranty procedures on the owner's behalf. Puradyn's responsibility for warranty claims is limited to providing the required repairs or replacements to the product itself, and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any Puradyn products.

For warranty questions or issues, please contact: Puradyn Filter Technologies Incorporated, Attention: Warranty Department, 3020 High Ridge Road, Suite 600, Boynton Beach, FL 33426 USA (T) +1 561 547 9499. If the product is not free from defects in materials and workmanship during the warranty period, Puradyn, at its option and expense will (i) repair the subject product by your return of the product to Puradyn, (ii) replace the subject product by having the replacement sent to your location, or (iii) refund the purchase price for the product as identified in your proof of purchase. If repair work or any other change to the damage is executed without prior consultation with Puradyn, the right to warranty is invalidated, and Puradyn is not bound to pay any compensation for damage. For other claims, including bodily injury based on the deficiency of the **pura**DYN System, the legal stipulations apply (see below).

This warranty does not cover any economic loss, including without limitation, communication expenses, towing mechanic's travel time and/or mileage, meals, lodging, loss of use of the engine or equipment, loss of time, revenue, inconvenience, cargo damage, premium charged for overtime labor requested by the purchaser, and for any service and/or maintenance, or any other cost or expense resulting from a **defect** covered by this warranty. Repairs or replacements due to an accident, failure to follow operating instructions, misuse, alteration, misapplication, storage damage, negligence, modification exceeding **pura**DYN System specifications, or improper installation are not covered by this warranty. The above-mentioned warranty and Puradyn's liability will never extend beyond (the consequence of) defects in the actual **pura**DYN Systems. Damage caused by other means or by third parties, such as errors during installation or incorrect mounting of pieces of hoses, is not covered by either this warranty or by product liability.

This Warranty expires if and when:

a. The **pura**DYN Systems are handled without due care or in contradiction with the instructions for use, or if used for purposes other than their appropriate purpose.

b. Cartridges other than the original **pura**DYN filter elements have been applied.

c. The defect and/or damage is a result of a natural disaster, act of God, act of terrorism or military action, improper storage, embargoes, accident, misuse, incorrect use, or any other outside cause or condition beyond Puradyn's control.

Puradyn reserves the right to change or improve the design of any Puradyn product without assuming any obligation to modify any Puradyn product previously manufactured. The product may contain certain components that have been remanufactured or refurbished following limited prior use.

EXCEPT AS STATED ABOVE, PURADYN SHALL NOT BE LIABLE IN CONTRACT, TORT, STRICT LIABILITY OR NEGLIGENCE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY. PURADYN NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR PURADYN ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. EXCEPT FOR THE EXPRESS WARRANTY STATED ABOVE, THERE ARE *NO WARRANTIES EXPRESSED OR IMPLIED. THIS WARRANTY SHALL BE GOVERNED BY AND CONSTRUED, INTERPRETED, AND ENFORCED IN ACCORDANCE WITH THE LAWS OF THE STATE OF FLORIDA, USA. EXCLUSIVE VENUE AND JURISDICTION SHALL BE IN PALM BEACH COUNTY, FLORIDA, USA.*

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Puradyn Filter Technologies Incorporated

PRODUCT LIMITED LIABILITY GUARANTEE

puraDYN® **Bypass Oil Filtration System**

Our Guarantee

Puradyn carries a $1,000,000 (per occurrence) domestic and international Commercial Liability Policy to protect your investment while saving you money. All optional, off-shelf, third-party parts are not covered under our limited liability guarantee.

Puradyn shall repair the damage to any engine caused directly and solely by the **pura**DYN System provided that **1)** the **pura**DYN System is properly installed and maintained in accordance with the prescribed installation guidelines and service intervals contained in the Puradyn installation manual; **2)** the **pura**DYN System is installed and maintained on an engine which is in normal running and mechanical condition at the time of installation and which continues to be properly maintained in accordance with the engine manufacturer's recommended service intervals (other than recommended oil changes); **3)** the **pura**DYN System is installed on an engine in which the replacement engine oil meets or exceeds the engine manufacturer's recommended grade of engine oil; **4)** the proper **pura**DYN filter elements and the engine's standard full-flow filter elements are installed, used and replaced in accordance with the Puradyn installation manual; and **5)** the oil analyses are performed by a qualified laboratory at the same intervals you change the **pura**DYN filter element, but at least once a year.

Additionally, within five calendar days following the discovery of such damage, the customer must give written notice to Puradyn Filter Technologies Incorporated, 3020 High Ridge Road, Suite 600, Boynton Beach, Florida 33426, and allow a service representative of Puradyn to **(a)** examine the damaged engine on which the **pura**DYN is installed; **(b)** examine the oil inside said damaged engine at the time such damage is discovered; **(c)** examine the required periodic oil analysis reports; and **(d)** examine the installation of the **pura**DYN System at the time damage is discovered to permit Puradyn to determine the extent of damage and whether it was caused solely and directly by the **pura**DYN System.

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OIL ANALYSIS AND SERVICE SCHEDULE RECORDING TEMPLATE

Interval	Old Oil Baseline	New puraDYN®	One Half Interval	OEM Interval	OEM Interval	OEM Interval
Engine Hours Hrs or Miles	**Log**	**0 hrs**	**Log**	**Log**	**Log**	**Log**
Oil Analysis Sample	Sample Date	Sample Date		Sample Date	Sample Date	Sample Date
puraDYN® Filter	Change Date		Change Date	Change Date	Change Date	Change Date
Full Flow Filter	Change Date			Change Date	Change Date	Change Date
Lab Results will indicate recommendation	Oil Change No Change	**New Oil**		Oil Change No Change	Oil Change No Change	Oil Change No Change

NOTES