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**ABOUT US** 

Baxter Performance USA provides unique engine oil system solutions. Due to the use of cartridge style oil filters used in many vehicles and the inherent deficiencies associated with these oil systems, Baxter Performance has the answer to provide improvement in reducing <u>dry start</u> and providing rapid oil pressure.

Most engine wear occurs at startup and some cartridge oil filters as well as some spin-on oil filter systems simply do not employ an anti-drain back valve or other designs to keep the oil filter flooded or to retain more oil post filtration in the engine, this results in delayed oil delivery and pressure at startup. Baxter Performance patented and patent pending adapter designs directly address these oil system deficiencies.

Baxter Performance started in 2015 and offers exclusive adapters for Toyota, Lexus, Jeep, Dodge, Chrysler, RAM, Ford, Lincoln, and Subaru and will soon be offering adapters for Mercedes Benz and others. Their adapters are machined to exacting standards from billet aluminum and built in the USA. They have expanded their line to include a range of adapters and a unique to the Aftermarket Industry - Inverted Remote Oil Filter Mount that can be mounted on most cars, trucks, boats or ATVs.

We create adapters for oil filters to keep the system flooded, prevent wear on the engine and improve engine longevity. These adapters allow easy conversions from Cartridge oil filters to Spin-on oil filters.

Our company offers a line of Cartridge to Spin-on and Cartridge to Remote Adapters that work with additional cooling systems, accumulators or simply to relocate the filter to a more accessible location.

We are the only company in the world that can provide this type of solution to <u>Dry Starts</u> in your engine.

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**MISSION STATEMENT** 



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Our company continues to seek out innovative high quality systems and products for our consumers' benefit. We care about engine longevity and performance and strive for excellence in our products as well as our customer service.

"Do what you say, say what you do!"



#### **PRODUCTS & LICENSING OPPORTUNITIES**

#### **CURRENT SPIN-ON ADAPTERS**

- Ford Cartridge to Spin-on Adapter FS-101-BK
- Pentastar 3.2L & 3.6L Cartridge to Spin-on Adapter 2014+ MS-201-BK
- Toyota Cartridge To Spin-On Adapter TS-401-BK
- Toyota Cartridge to Spin-On Adapter (Universal) TS-501-BK
- Toyota Cartridge to Spin-On Adapter TS-601-BK
- Subaru Oil Filter Anti-Drain Adapter SS-101-BK

#### **CURRENT REMOTE ADAPTERS**

- Pentastar 3.2 & 3.6L Cartridge to Remote Adapter 2014+ MR-202-BK NEW
- Toyota Cartridge to Remote Adapter (Multi-Port) TR-502-BK
- Toyota Cartridge to Remote Adapter (Multi-Port) TR-602-bk
- Inverted Remote Oil Filter Mount RI-101-BK

#### **NEXT IN PRODUCTION - OUT OF TESTING!**

- Pentastar 3.2 & 3.6I Cartrdige to Spin-on Adapter 2011-2013
- Pentastar 3.2 & 3.6L Cartridge to Remote Adapter 2011-2013

#### CLICK HERE FOR <u>PRODUCT INFORMATION</u> CLICK HERE F OR FITMENT LIST FOR ALL APPLICABLE VEHICLES

#### LICENSING OPPORTUNITIES

- Threaded Cleat Locking mechanism used in our Pentastar adapter. Many application opportunities
- Linear Check Valve Unique full flow check valve design is utilized in our cartridge to spin-on filter adapters.

Many application opportunities

Contact Rick DeVleming V.P. & DOO 509-595-9413

#### **PATENTS & PATENT PENDING**

Two Patents in the USA and One Patent in Australia Two Pending USA Patents Patented parts are made in the USA Currently all manufacturing is in Spokane and Washington State

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#### Baxter Performance Introduces Exclusive Cartridge to Spin-On <u>Remote</u> Adapter for Stellantis V6 Pentastar Engines

Baxter Performance, the exclusive manufacturer of Cartridge to Spin-On Oil Filter Adapters and Cartridge to Spin-On Remote Oil Filter Adapters, is introducing a new remote adapter for all 2014 to present Stellantis 3.2L and 3.6L Pentastar engines. The new MR-202-BK Cartridge to Spin-On Remote Adapter stands out as the only practical way to add remote oil filter and additional oil cooler available for the Pentastar engine. In cases where the engine is subjected to high torque demands due to towing, engine modifications using supercharging or turbocharging, the resulting increased blow-by on the pistons result in higher oil temperatures than the stock oil system can typically tolerate.

The new remote adapter also incorporates a Schrader valve for the unique option to use compressed air to evacuate oil from all oil system components back to the sump for an efficient oil change and servicing.

We produce high quality machined adapters that help retain oil in the filter and post filtration in the engine for faster oil delivery and pressure at start-up. This means no more prolonged <u>dry starts</u> <u>and less wear on the engine</u>.

Baxter produces exclusive oil filter adapters to fit a range of vehicles that traditionally require cartridge oil filters, including models manufactured by Toyota, Jeep, Chrysler, Ram, Dodge, Ford, and Subaru.

Our adapters allow for mounting of spin-on oil filters that contain an anti-drain back valve, top mounted adapters also contain a patent pending full flow output side check valve to prevent air from migrating into the system from the out-flow side. All Baxter Performance adapters work with standard spin-on oil filters, are easily installed, and make changing your oil filter quick, clean and simple as well.

In the past year Baxter Performance products have been featured on Truck U, Two Guys Garage, Motor Head Garage and All Girls Garage and have been celebrated for their products.

"Thank you for making such a well-made product, works perfectly!" Jim H. from Tampa, FL, wrote in to say. "Their adapters are made with precision and care, ensuring a perfect fit every time." Receiving positive feedback has allowed the company to continually provide excellent service and products to their customers.

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## Why An Adapter for the Subaru?

Our SS-101-BK Anti-Drain Oil Filter Adapter is for the Subaru FA20 and FB20 Series Engines



2012 Subaru Impreza

Subaru engines that have inverted oil filters mounted on the top of the engine, suffer from a prolonged <u>dry start</u> due to oil draining from the feed and output side of the oil filter at engine shutdown.

The oil feed galley from the pump and oil supply galley from the oil filter are separated by a metal plate inside of the front engine cover, this metal plate has no gasket separating the two galleys and allows air to migrate into the pump supply side and completely drains back through the pump, defeating the purpose of the anti-drain back valve in the oil filter.

Our patent pending oil filter adapter contains an out-flow check valve that prevents air from migrating into the oil feed galley from the filter, this results in the oil feed from the pump, oil filter and oil feed from the oil filter remain flooded.

No more prolonged <u>dry starts</u>! Longer engine Life! Quiet Starts!





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#### FACTS AND ADVANTAGES OF BAXTER PERFORMANCE SPIN-ON CARTRIDGE OIL FILTER ADAPTERS

- Fact Most engine wear occurs at start-up due to lack of oil pressure.
- Fact Anti-drain back valves prevents oil from draining back from the engine into the oil pan following engine shut-down
- Fact anti-drain back valves are found in Spin-on oil filters.
- Fact Most Cartridge oil filters <u>DO NOT</u> have anti-drain back valves.

Advantages of converting back to spin-on oil filters with anti-drain back valves -

- 1. Decreased engine wear
- 2. Maintains more oil post filtration in the engine
- 3. Faster oil delivery and pressure
- 4. Increased oil capacity

Now, It's no secret that most engine wear occurs at cold start-up. And, the most critical element to mitigate this wear condition is the engine oil. The quicker it can get to where it needs to be, the longer your engine is going last.



This may be happening to your Cam Shaft

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#### DEFICIENCIES & SOLUTIONS FOR CARTRIDGE TO SPIN-ON OIL FILTER SYSTEMS

Baxter Performance patented cartridge to spin-on oil filter adapter designs offer a unique and viable business opportunity.

<u>Fact:</u> Most engine wear occurs at cold startup, having oil delivered immediately to moving components mitigates this wear condition.

<u>Fact:</u> Automotive engine manufacturers are transitioning from Spin-on filters to Cartridge filters.

<u>Identified Problem</u>: Most Cartridge filters do not incorporate an anti-drain back valve or check valve to prevent oil from draining out of or back through the filter after the engine is shut down, resulting in a prolonged dry start condition at start up.

<u>Proof:</u> Videos taken from inside Cartridge filter housing, showing the oil draining out in a short period of time after the engine is shut down.

Example: Stellantis Pentastar 3.6 Engine (2011 to present) This engine is utilized in most Stellantis production variants, including Jeep, Dodge, Chrysler, and Ram vehicles.

The oil filter system completely drains out in 35 minutes following engine shutdown, this includes the oil filter and oil cooler resulting in a 3.5 second delay in oil pressure at startup. <u>VIDEO</u>

<u>Example:</u> Ford 2.7 Ecoboost Engine (2015 to present) This engine is utilized in many Ford production variants, including Ford Explorer (including new Ford Bronco) and Lincoln.

The oil filter system completely drains out in 18 minutes following engine shutdown, this includes the oil filter and oil cooler resulting in a 3.0 second delay in oil pressure at startup. <u>VIDEO</u>

<u>Solution:</u> Baxter Performance Patented adapters that easily convert from a Cartridge oil filter to a Spin-on oil filter (available in both direct spin-on and remote adapter designs), maintains more oil, post filtration rather than allowing it to flow back thru the filter and into the oil pan following engine shutdown.

#### **Product expansion:**

In addition to the current line of Cartridge Oil Filter Adapters, Baxter Performance will be introducing patented cartridge adapters for Stellantis, GM, Mercedes Benz, BMW and Porsche. These adapters will be available in both gas and diesel variants.

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# About Oil Filters

#### **TOYOTA CARTRIDGE OIL FILTERS -**

This is the basic Toyota cartridge oil filter media. You can see that it's an open pleat design and can accomplish the basic task of filtering oil. It installs over a perforated tube attached to the filter cap. At the base of the tube is a by-pass valve. If the filter gets clogged, the by-pass valve opens and provides unfiltered oil to enter the engine in order to prevent oil starvation. However, this valve can also open at other times, such as cold start-up when engine oil is cold and can't flow through the filter media at a rate required by the engine or during hard acceleration when the differential pressure across the filter media is too great, even when the oil is hot. The by-pass valve, when open, being mounted at the end also allows for oil to wash over the filter and potentially reintroduce contaminants into the engine. Last but certainly not least, there is no anti-drain back valve in the Toyota cartridge oil filter system. At engine shutdown, the oil slowly drains back to a level of equilibrium at the base of the engine. When the engine is restarted, it takes time for the oil to be pumped and fill all the engine oil galleys in order to provide adequate lubrication and pressure.



#### SPIN-ON OIL FILTERS

Now, spin-on oil filters contain additional devices and configurations not typically found in cartridge oil filters.

1st is the anti-drain back valve found in most spin-on oil filters. Why is this important? Some believe that the anti-drain back valve exists only to keep the filter from draining when the engine is turned off and the oil is at static pressure and if the oil filter is mounted on the bottom of the engine, that it doesn't require an anti-drain back valve. That's incorrect.......This valve not only keeps the oil filter full, regardless of its mounting location, but also reserves more oil in the engine, post filtration, for faster oil delivery and pressure to critical wear components as well as other mechanisms contained in the engine, such as cam chain tensioners and variable valve timing assemblies that rely on oil pressure to function properly.

2nd is the ability to use a frontal or base mounted by-pass valve. By-passing the oil filter up front avoids the washing effect over the filter as when the by-pass valve is located at the end of the oil filter.

While we can certainly appreciate the efforts of automobile manufacturers to minimize waste on a global scale, this does come at a compromise and cost not being able to utilize these various and important advancements in oil filter design.

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#### **PRODUCT ADVANTAGES**

#### Spin-On Adapter

- Simple installation
- Easy to change oil filter
- Increased oil capacity
- Ability to utilize larger than stock oil filters (in most cases)
- Meets of exceeds factory oil flow specifications
- Greater filtration options

#### Remote Oil Filter Adapter (Multi-port)

- Simple installation
- · Allows relocation of oil filter to more accessible area of vehicle
- Allows the ability to add additional oil system components (bypass filters, oil coolers, accumulators)
- · Allows the ability to utilize larger oil filters with larger filter media area.
- Does not exceed stock filter cap length
- Can be configured ports side or ports end
- -10AN male fittings and plugs provided

#### **Inverted Remote Filter Mount**

- Universal mounting
- Built-in oil spillage containment well
- Can be configured ports right, ports left or ports down
- -10AN male fittings and plugs provided

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#### **ABOUT THE OWNERS**



We refer to Kevin as our "Mad Scientist". His innovative brain can't stop and HE won't stop. His vision and ideas are limitless!

#### Rick DeVleming, VP & COO

- 33 years in sales
- Corporate Sales
- Business Development Management
- Regional & District Sales Management
- Construction Sales & Project
  Management

Contact for Public Relations, Marketing, Sales & Licensing: rick@baxterperformanceusa.com 509-595-9413

#### Kevin Baxter, President & CEO

- Kevin started the company in 2015 trying to find a solution for his wife's 2010 RAV4.
- 40 years experience in aviation maintenance
- FAA authorized inspector
- 23 years production automation experience
- lifetime of innovative ideas and products and multiple patents

Contact for all Product Development, Manufacturing &Technical issues: kevin@baxterperformanceusa.com 509-869-5163



Rick doesn't know the meaning of slow down. His vision of the company matches Kevin's limitless invention ideas. Skies the limit!

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#### **SUPPORT**



#### **Work History**

- Bookkeeping
- Administrative
- Sales
- Customer Service
- Marketing & Research

Contact for Purchasing and CEO Support nancy@baxterperformanceusa.com 509-868-6511

#### **Work History**

- Controller
- Office Management
- Bookkeeping
- Sales
- Marketing & Research

Contact for Accounting, Admin. COO Support: lucy@baxterperformanceusa.com 509-701-3404 Lucy DeVleming, Finance & Admin. Management Assist. to the COO

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# **TESTIMONIALS**



#### Testimonials - See What Our Customers Are Saying

At Baxter Performance, we care about...

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Jim Mill of Aftermarket West Sales & Marketing says, "As a manufacturer's representative I don't often take on a product line that is new to the market. When I do it's because I see a quality product that fills a void in the marketplace. The BP Adapters product line is just such a product line. As an enthusiast I work on my own vehicles. It's important for me as a sales representative to see the value, quality, and usefulness of a product line to be able to fully endorse and support it".

- · Great product and well made! What was Toyota thinking? Robert H. Boston, MA
- After breaking two cartridge oil filter caps I was glad I found your product, way to go! Phillip G.
  Portland, OR
- Received TS-501-BK for my 2017 Tacoma, easy install, and no clearance issues. Thanks. Frank B. Ogden, UT
- Thank you for making such a well made product, works perfectly! Jim H. Tampa, FL
- Ordered an adapter for my 2015 4Runner, install was simple and straight forward. Thanks for being so responsive to my questions and providing great customer service. Jake K. Kansas City, KS
- I thought your adapter was expensive but after receiving it, the build quality is superb. Great product! Jamie L. Long Beach, CA
- I ordered a remote adapter and remote mount for my 2019 4Runner, installation went well and now I can use a much larger filter and don't have to remove the skid plate! Doug M. Denver, CO
- I was surprised that Toyota didn't include an anti-drain back valve in their cartridge oil filters, a basic need. Nice you guys have the answer, just ordered a TS-301-BK for my Tundra 5.7L. Greg C. Pheonix, AZ
- I purchased an adapter for my Daughters Prius, it's a lot easier to service and I like the idea of using a larger filter. Mike D. Seattle, WA
- After receiving your adapter for my 2014 RAV4 I was surprised how easy it was to install, great product! T. Jacobs Butte, MT
- Thanks for making my life easier! I hate the cartridge filter. Thomas A. San Antonio, TX
- I installed your TS-501-BK on my 2020 Tacoma and liked it so much I just ordered on for my wife's 2016 RX 350 Lexus. Patrick F. Sioux Falls, SD
- I used to have valve clatter for 2 seconds at startup on my 2012 Corolla, rarely hear anything at all anymore. Thank you for a great solution. Tim G. Redding, CA
- I installed mine on my 2015 Wrangler last weekend. It's completely eliminated my morning startup lifter noise that lasted a few seconds on cold starts. I couldn't be happier! Thanks! R. Smith -Facebook



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## **DEALERS AND INSTALLERS**

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Frisco, CO Dealer & Installer Colorado



Dealer Florida & Puerto Rico



UAE









#### GALLERY

#### **AWARDS**

Winner of Global Media Award at SEMA (Specialty Equipment Marketing Association). the biggest aftermarket vehicle product show in the world. We were recognized for global marketability.













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