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Issued: 10/01

PurePowerPlus™

FUEL & EMISSION SYSTEMS TUNE-UP

REAL NEEDS.

Deposit build-up in today's precision fuel and emission systems can lead to many performance problems. These deposit-related problems can include:

- * surging
- *power loss
- *hard starting
- *rough idling
- *decreased mileage
- *failed emission
- *hesitation
- * "rotten egg" smell

These "drivability" problems are a constant source of irritation and expense to your customers. They can translate into inconvenience, increased operating costs, decreased engine life, and even safety concerns.

REAL SOLUTIONS.™

PurePowerPlus™, the fuel & emission systems clean-up from Heartland Manufacturing contains a superior package of detergents and solvents. This comprehensive application will remove the source of your customer's irritation; carbon, gum, and varnish deposits. The first step is Heartland's Fuel System Cleaner, applied in the fuel tank that, soaks, dissolves and removes harmful deposits over the next tank of fuel. The second step is a solvent package, our Intake System Cleaner, applied through an acceptable positive vacuum source, which attacks deposits directly. This is the step that gives immediate benefits. A third step is a business-building free booster treatment. This optimal program provides you with a certificate to present your customer. This certificate promises a complementary application of the Fuel System Cleaner at their next oil change.

Note: Do not use on diesel or rotary engines. Not recommended for use on Dodge Neons.

Directions: Please refer to the Application Procedure guide.

Car Care Tip: Offer Fresh Start Super Service

Point-Of-Purchase materials: Consumer fliers, 17"x22" poster, bay banner

PRICE/PRODUCT DATA	Part Number	Case Size
	61003	12 Kits



PurePowerPlus™

FUEL & EMISSION SYSTEMS TUNE-UP

FAQ (Frequently Asked Questions) Sheet

- **Can a customer use premium gasoline or buy a pour-in gas additive and do the job themselves?**

Our 2-Step process includes a superior combination of chemistries. The fuel treatment is a powerful solution of detergents and dispersants. The Intake System Cleaner gains a direct access to the harmful deposits in the intake system through a unique, professional application technique. This comprehensive method gives guaranteed satisfaction, in a timely manner.

- **Will it harm injectors?**

No. It contains no ingredients harmful to these sensitive systems.

- **How does it match up with the aerosol methods available?**

All methods on the market come down to chemistry and application. The Heartland formula uses safe and effective solvents and detergents applied in the most beneficial manner. Detergents are added in the gas tank, where they can ‘cleanse’ the deposits over a longer period of time. Solvents are applied, undiluted, to the home of many performance-robbing deposits.

- **Can I use it on diesel or rotary engines?**

No.

- **How does the bonus treatment program work?**

Since fuel and emission systems will get dirty again, and you want to build long-term customer relationships, you can provide a free bonus treatment at their next oil change. This will keep their systems in top shape, and give them another reason to come back. Simply purchase a case of #61012 “Fuel System Cleaner”. and use the coupons provided.



Issued: 10/01

Fuel System Cleaner

REAL NEEDS.

Today’s precision fuel systems are designed to deliver exact amounts of fuel and air to the combustion chamber of an engine. When deposits build up, as they are prone to do, “drivability” problems occur. These problems are a source of increased cost to your customers. They include; increased emissions, rough idling, hard starting, hesitation, surging, stalling and poor fuel economy, among other symptoms.

REAL SOLUTIONS.™

The Fuel System Cleaner from Heartland Manufacturing contains a petroleum-based formula designed to remove these deposits safely. It contains no alcohol and is safe for oxygen sensors and catalytic converters. It does contain an ashless, non-phosphorous polymeric dispersant for deposit control and a corrosion inhibitor. It safely removes moisture and treats up to 21 gallons of gas. It is also safe and effective for both diesel and carbureted vehicles.

Directions: Add to at least 1/4 tank of gas or diesel fuel. Instruct customer to drive at least 150 miles to give the chemistry a chance to do its best job. Recommended every oil change.

Car care tip: Offer Fresh Start Super Service. Use every oil change for that “new car” feeling.

PRICE/PRODUCT DATA	Part Number	Case Size
	61012	12/12 oz.



Issued: 10/01

Engine Sealer

REAL NEEDS.

The oil is kept where it is supposed to be, in the engine, by seals and gaskets. These seals can harden and shrink through normal exposure to hot oil. With temperature, wear and age they become less pliable, allowing the engine's protection to start seeping and leaking out. This can be more than just messy; it can lead to more expensive replacement of these worn seals.

REAL SOLUTIONS.™

The Engine Sealer from Heartland contains a synthetic seal conditioner. This special formula restores elasticity, eliminating or reducing the oil leaks. This keeps your customers' oil where it's supposed to be... on the job. This rejuvenating chemistry contains no solids to clog passageways, and is compatible with all motor oils. Before an expensive replacement, try a treatment.

Directions: Add to crankcase (do not overfill). Most leaks stop within 100 miles of application.

PRICE/PRODUCT DATA	Part Number	Case Size
	61015	24/12oz.



Issued: 10/01

Oil System Cleaner

REAL NEEDS.

Today's motor oils are formulated to handle your engine's number one enemy... sludge! Sludge is created by many factors; acids, water, fuel, coolant, dirt, and heat are the main culprits. Unfortunately, motor oil and the additives in it only have a certain lifespan. This timeframe is approximately 3 months or 3,000 miles for most vehicles. That's why frequent oil changes are critical for your engine's performance and long life. That's also why Heartland offers *the original* Oil System Cleaner.

REAL SOLUTIONS.™

The Oil System Cleaner from Heartland Manufacturing contains a special combination of oil with a safe solvent. This unique formula gently dissolves formations of soft sludge into old oil. ***This gives your fresh oil a fresh start***, so it can do the job it was designed to do. The Heartland Oil System Cleaner does not thin the oil to clean, it will not clog ports or passageways, and it won't affect seals and gaskets. Heartland Oil System Cleaner contains no **kerosene, mineral spirits, or alcohol**. It will not affect your waste oil either.

Directions: Add to crankcase prior to oil change. Idle to circulate (usually 3-5 minutes).

Drain the old oil and change the filter.

Car care tip: Give the car a *Fresh Start*, by using the Oil System Cleaner Super Service

Point-Of-Purchase materials: Consumer fliers, 17x22" posters, bay banners, OSC Fun Cards.

PRICE/PRODUCT DATA	Part Number	Case Size
	61016	24/16oz.

Oil System Cleaner

FAQ (Frequently Asked Questions) Sheet

● **Isn't this just a 'motor flush'?**

Far from it, most 'flushes' use either kerosene or mineral spirits as both their carrier and cleaner. The unique oil-based formula of our Oil System Cleaner safely dissolves the soft sludge with a non-chlorinated solvent without thinning the oil.

● **Will it remove the protection of engine treatments, such as PTFE?**

No. It will have no interaction with these types of 'metal' treatments. In fact, it is probably a good idea to use our cleaner prior to applying these treatments. This will give them the cleanest environment in which to 'bond'.

● **Do auto manufacturers recommend this service?**

The auto manufacturers suggest 3-month / 3000-mile oil changes for the majority of your customers. However, if a customer exceeds this interval in the 'real world,' some dealerships offer a cleaner of their own in their service departments.

● **How often is it recommended?**

For those customers who exceed the proper service schedule, every 9,000 miles is a good benchmark.

● **Will it 'cure' the sludge bucket?**

There are no miracle cures for these badly neglected engines, but the mild and effective formula will gradually remove what contaminants it can. This is better described as a vitamin vs. penicillin.

● **Is it safe for a diesel engine?**

Yes. The results may not be as dramatic as a gasoline powered engine, but it is both safe and effective. Keep in mind one 16 oz. bottle will treat up to 5 ½ quarts. So two bottles may be necessary.

Oil System Cleaner

The Formula

◆ Petroleum Oil...85%

A light paraffin oil is used for the carrier. Regardless of what weight oil you currently use there will be no thinning oil out of its specified range or impact of seal and gasket material. And, an environmental plus, it will not adversely affect waste oil.

◆ Ethylene glycol monobutyl ether...15%

The "active" ingredient is known by many chemical and brand names: butyl cello solve; butyl oxitol; butoxy-ethanol, among others. It is a non-chlorinated solvent that does not adversely affect internal working parts or waste oil. Its purpose is to safely dissolve the *soft* sludge deposits throughout the crankcase. The safety and effectiveness has made it a popular cleanser in many industries.

◆ Together

This combination is recommended by many oil refiners and manufacturers as an effective and safe method to accomplish this sludge-removal-mission. Some of these include Shell, Citgo, Union Carbide and Phillips 66. It won't remove PTFE or other engine treatments additives, and is helpful prior to those applications. No additional lubricants are necessary since it does not lower the oil's viscosity out of its acceptable ranges. It is not a 'miracle cure' for a badly neglected vehicle, but used as directed it will prevent the tardy vehicle from building up a harmful level of contamination. This service does not 'break away' chunks; it will only dissolve what it can which is then drained away with the old oil.

Oil System Cleaner

The Application

A minimum of 3 minutes is needed to deliver value. It will continue to dissolve sludge up to 8 minutes. After that, the solvent is used up and gone.

More time will not harm or help.

This service is extremely helpful and also convenient while those customer's are simply waiting in line for their turn at the full service.

Since the majority of the formula is oil, after a treatment is drained no further flushing is required with fresh oil. There is no harmful residue.



Revised: 06/24/2010

Xtreme Clean™

REAL NEEDS.

No matter how frequently oil is changed, as much as 20% of your contaminated oil is left behind after a normal oil change. This means in addition to heat, dirt, acids, soot and other factors, contamination can build up in the engine. This harmful sludge or gelling can decrease new oil performance and engine life.

REAL SOLUTIONS.™

Heartland's Xtreme Clean™ Engine Cleaner safely removes old oil and harmful deposits from the metal surface of the engine. It prepares engines for fresh oil, allowing oil to do its best job by increasing performance and engine life. Heartland's Xtreme Clean™ removes most of the worn-out oil for a greater oil change. Xtreme Clean™ contains no kerosene or mineral spirits to thin oil or damage the system! Clean oil works best in a clean engine!

Directions: Drain oil from the engine. Replace drain plug. Replace old oil filter with a new oil filter. Add Xtreme Clean™ (see **Note** below). Run engine at idle for 5 minutes. Turn off engine. Drain Xtreme Clean™ Engine Cleaner from the engine carefully. Replace drain plug and change oil filter and add engine oil to the engine's sump following manufacturer's requirements!

Note: Fill the engine's crankcase with Xtreme Clean™ to a minimum of 80% of the crankcase capacity specification.

Point-Of-Purchase materials: Bay banners, consumer fliers

PRICE/PRODUCT DATA	Part Number	Case Size
	61216	4/Gallon bottles



Issued: 10/01

Enhanced Honda/Universal Power Steering Fluid

REAL NEEDS.

It is costly and frustrating to keep several different bottles of power steering fluid in your inventory, because different OEM's have different specifications and they shouldn't be mixed. Wouldn't you like to end the expense and waste?

REAL SOLUTIONS.™

Well Heartland now has the solution. Stock just one, and still serve your customer's needs. Heartland's Honda/Universal Power Steering Fluid is a new formula which meets OEM requirements for all domestic and imported vehicles.

Directions: Add to system, being careful not to overfill. Use as a top-off fluid, or as a complete replacement of existing fluid.

Car Care Tip: Why not offer a complete Power Steering service. Simply evacuate the old, weakened fluid and replace with our Heartland Honda/Universal Power Steering Fluid for optimum performance.

PRICE/PRODUCT DATA	Part Number	Case Size
	61020	12/12 oz.

Engine Treatment with PTFE

REAL NEEDS.

Today's high-performance, precisely designed engines are protected by a thin film of quality motor oil. This oil is formulated to lubricate the metal surfaces; allowing moving parts to move freely. This also keeps metal from wearing away metal due to increased friction.

However, during start-up most of this precious fluid is in the pan, not the engine. Naturally, this can lead to increased friction and wear.

REAL SOLUTIONS.™

Heartland's comprehensive chemistry, using PTFE, actually treats these critical metal components to prevent excessive wear. During start-up and through thousands of miles of punishing driving, our rich, concentrated formula will provide superior protection. Additionally, volatility burn off (engine smoking) and knocking will quit.... guaranteed!

Directions: Simply replace one pint (16oz.) of oil with our engine treatment after the oil change. Do not use during break-in of new or rebuilt engine. 1 bottle treats 3 to 6 quarts. Safe for use in diesels.

Car Care Tip: Use our Oil System Cleaner prior to application to thoroughly clean metal surfaces for optimum effectiveness.

Point-Of-Purchase materials: Polysleeve

PRICE/PRODUCT DATA	Part Number	Case Size
	61032	12/16oz.

4X™

REAL NEEDS.



Some of your customers are very aware that they definitely drive in “Severe Service Conditions”. They’ve read the owner’s manual, they know the problems, and they want all of the extra protection they can get to combat their severe driving conditions. So what do you do then? Your customer is saying, “No I don’t want just that plain old bottle of protection, I want it extra strength!”

REAL SOLUTIONS.™

Heartland's 4X™ comes to the rescue! 4X™ is the “every oil change engine treatment”. The Pinnacle of Protection™. Comprehensive chemistry, using genuine DuPont Teflon® actually treats critical metal components to prevent excessive wear encounters during “Severe Service Conditions.” Frequent applications keep application at its highest level. Today’s SUV’s, trucks and Off-Roaders deserve 4X™ with Teflon® (PTFE).

Directions: Simply replace 12 ounces of oil with 12 ounces of 4X™ after the oil change. Do not use during break-in of new or rebuilt engine

Car Care Tip: Offer the Fresh Start Super Service. 4X™ is the perfect supplement for offering an "every-visit" type service packages.

PRICE/PRODUCT DATA	Part Number	Case Size
	61034	12/12oz.

Gearbox Treatment with PTFE

REAL NEEDS.

Have you ever thought about how hostile it is where the gearbox gear teeth mesh together? The interaction is so powerful they could be continuous running nutcrackers, saw blades or wood shears. Because the close gear tolerances keep the transmission running smoothly, not sloppy, the oil which is the thin barrier of lubrication between the gears is also subject to this cutting and shearing.

REAL SOLUTIONS.™

Adding the uniquely comprehensive chemistry formula of Heartland's Gearbox Treatment with PTFE to the gearbox improves shifting, increases performance, maximizes horsepower, reduces friction, plus it stops and prevents leaks. With PTFE enhancing the formula, friction is kept to a minimum and gear chatter or noise is prevented.

NOTE: Not for use with limited slip gear boxes or automatic transmissions.

Directions: Add to a gearbox as you would in a top-off situation, by checking to be sure there is ample space for the addition of this product, before adding. Be careful not to overfill.

PRICE/PRODUCT DATA	Part Number	Case Size
	61035	12/12 oz.

Cooling System Cleaner & Treatment

REAL NEEDS.

The cooling system is an essential part of the engine that needs to remain clean and free of contamination. After awhile deposits build up and become clogged in the system, forcing the vehicle to lose performance and can also cause serious damage. Wouldn't it be nice if the cooling system could be cleaned in one easy and effective step and then be treated to prevent rust, corrosion and cavitation in the future?

REAL SOLUTIONS.™

Heartland's Cooling Cleaner & Treatment kit is a two part process that provides the cooling system with a Fresh Start™. This service safely removes contamination and harmful deposits that are trapped throughout the system. Then the treatment prevents rust and corrosion from developing while protecting against cavitation. Both the cleaner and treatment are gentle and safe for the system. Regular maintenance to the cooling system will help extend the life of the vehicle. This service is compatible with DexCool.

Directions:

Cleaner: *With Flush & Recycling Equipment Flush Services:* Follow directions from manufacturer. Add entire contents to radiator coolant. Run engine for 5 minutes before executing coolant flush process. *Without Equipment:* Pour the entire content into a cold radiator. Idle engine for 15 minutes and then turn it off and allow to cool. Flush out fluid until clear. Fluid must be disposed in accordance with local, state and federal laws. Refill system to manufacturer specifications.

Treatment: **DO NOT REMOVE RADIATOR CAP WHILE COOLING SYSTEM IS HOT.** Shake bottle well. While engine is off and cool, add entire bottle to radiator. Replace radiator cap and idle engine to thoroughly mix.

Point-Of-Purchase materials: Fresh Start Laminate

PRICE/PRODUCT DATA	Part Number	Case Size
	61043	12 kits



Issued: 01/02/2009

High Mileage Oil Changer™

REAL NEEDS.

The average age of vehicles on the road today is nine years. Up to 60% of today's vehicles have accumulated 75,000 miles or more. When an engine ages, it loses performance and power. The oil may even begin to break down faster. Over time seals can deteriorate, oil consumption increases and gaskets become brittle. This can all lead to a decrease in engine performance.

REAL SOLUTIONS.™

The High Mileage Oil Changer™ from QMI Heartland, when added to your regular oil change will help older engines perform younger. It stops leaks, stops smoking and prevents against damaging build up extending the life of your engine. This one product allows you to control inventory by eliminating the need to stock multiple weights and brands of oils while still meeting the needs of your customers! Save money, space and time with The High Mileage Oil Changer™!!

Directions: Add to warm crankcase at oil change. Treats 3 to 6 quarts. Use two bottles with diesel and badly worn engines. Do NOT overfill!

Compatible with synthetic and semi-synthetic motor oils.

Point-Of-Purchase materials: Banner, Brochures

PRICE/PRODUCT DATA	Part Number	Case Size
	61060	12/14.5oz.



HEARTLAND T3™ TOTAL TRANS TREATMENT™

- Enhances Dexron® III / Mercon® or equivalent fluid to perform as Highly Friction Modified or Mercon V® fluid

Description

- **Enhances** Dexron® III / Mercon® ATF or equivalent fluid to perform as a Highly Friction Modified / Mercon V® fluid.
- **Protects** against heat, oxidation, wear and friction, protecting the life of the vehicle. Eliminates chatter and shudder.
- **Stops leaks!** Plus conditions seals and gaskets to prevent future leaks.
- The only one that does all three! Saves time, money and space!

Applications

Vehicle	ATF (Only apply Heartland T3 Total Trans Treatment if ATF in transmission is listed below)
Chevrolet/Geo/Pontiac	T-IV ATF
Chrysler, Dodge & Plymouth	Mopar ATF+3 (7176), ATF+4 (9602)
Dodge Trucks	Mopar ATF+3 (7176) or ATF+4 (9602)
Ford/Lincoln/Mercury Cars	Mercon & Mercon V ATF
Ford/Lincoln Trucks	Mercon & Mercon V ATF
Honda/Acura/Sterling/Isuzu.....	Honda Premium Formula ATF, Honda ATF-Z1, Sterling ATF
Hyundai.....	SP-III & ATF+3 (7176)
Infiniti	Nissan Matic D, J, K & SLF ATF
Jeep	Mopar ATF+3 (7176) or ATF+4 (9602)
Kia.....	SP-III & ATF+3 (7176)
Lexus	T-IV ATF
Mazda	Mercon & Mercon V ATF
Mazda/Mercury Trucks	Mercon & Mercon V ATF
Mitsubishi/Eagle	SP-III & ATF+3 (7176)
Nissan.....	Nissan Matic D, J, K & SLF ATF
Saturn Ion & Vue	T-IV ATF
Scion.....	T-IV ATF
Toyota.....	T-IV ATF

Directions

Add one ounce per quart to your Dexron® III / Mercon® ATF or equivalent fluid and you will have a Highly Friction Modified / Mercon V® fluid. Add with motor idling in park.

Check dipstick or owner's manual for proper fluid type. Do not overfill.

Note: Do not apply to CVTs (Constantly Variable Transmissions).

Package: Twelve 10 oz. bottles per case

Part Number: 61083



Issued: 10/01

Premium ATF Treatment

REAL NEEDS.

Some of the difficulties, which arise over time in automatic transmissions, are that they attract condensation moisture, and the fluid doesn't get changed when it should. When these wear and neglect situations occur, operating friction increases, then transmissions start running hotter and lose their smoothness of shifting. The oxidation and acid build-up also attacks the seals in a transmission.

REAL SOLUTIONS.™

Heartland's Premium ATF Treatment is the protection against friction, corrosion, wear and neglect. An 8 oz. bottle of Premium ATF Treatment added during a routine transmission service helps the transmission "Run Cooler, Longer and Smoother™". It will help reduce friction and wear, it will improve shifting, prevent oxidation, while protecting and preserving the internal seals. Can be used with either pan service or fluid exchange machine!

Directions: ⇒ *if you are adding to an already-full automatic transmission*, you must remember that most automatic transmissions are checked when at operating temperature, not cold. If it is full, you will need to remove enough ATF to add one 8 oz. bottle of Premium ATF Treatment do not overfill.

⇒ *if you are performing a full service flush and fill* to the automatic transmission, just add the 8 oz. bottle of Premium ATF Treatment right along with the normal replacement ATF.

Car Care Tip: Offer the Fresh Start Super Service
Ask about our stop leak formula!

PRICE/PRODUCT DATA	Part Number	Case Size
	61085	12/8 oz.



Issued: 10/01

Transmission System Cleaner

REAL NEEDS.

Today's automatic transmission fluids (ATF) are formulated to handle your transmission's enemies... **deposits and contamination**. Lacquer is best described as a resin-like surface coating that can usually be dissolved, but which builds up as continuous layers are dried over each other, from a slow baking process. **Residue deposits of lacquer** are created by a combination of factors; 1-moisture is attracted to the inside of an automatic transmission, forming various acidic oxides; 2- the additive package of the ATF eventually breaks down and becomes a contaminant; 3- particles of worn metal casing and old seals or gasket & filter material become simple dirt contamination; and 4 -there is high heat as typical operating condition inside an automatic transmission. These four combined are the main culprits of the formation of **residue deposits of lacquer** in an automatic transmission. Unfortunately your vehicle's ATF has a limited lifespan (check the owner's manual of the Chek-Chart for the individual manufacturer's time and mileage recommendations). That's why preventative maintenance is critical for an automatic transmission's performance and long life. If you exceed the recommended interval between changes, *with no Transmission System Cleaner*, the fresh ATF would have to deal with these leftover residue deposits of lacquer, from the old fluid, - Just like a bathtub....

REAL SOLUTIONS.™

Transmission System Cleaner from Heartland is a safe solvent in a light carrier oil. This unique formula gently dissolves all formations of **residue deposits of lacquer** so it can all be drained away with the old ATF. **This gives your fresh ATF a fresh start**, so it can do the job it was designed to do. Heartland Transmission System Cleaner does not thin oil to clean, it will not clog transmission ports or passageways, and it won't affect seals and gaskets. It contains no kerosene, mineral spirits, or alcohol. It will not affect your waste oil either

Directions: Add to Transmission sump prior to an ATF drain and fill service. Idle to circulate (usually 3-5 minutes).

Drain the old ATF.

Car Care Tip: Offer the Fresh Start Transmission Super Service.

PRICE/PRODUCT DATA	Part Number	Case Size
	61086	12/8 oz.



Issued: 10/01

Transmission Sealer & Conditioner

REAL NEEDS.

Does your customer's vehicle exhibit red, oily spots underneath the engine, or on the pan around the gaskets?

Do you hear about complaints of fluid drops on the driveway?

These are indications of a transmission fluid leak.

Do you use an ATF exchange machine, but don't change the pan gasket?

REAL SOLUTIONS.™

As part of your transmission service, or by itself ... the special ingredients in Transmission Sealer & Conditioner from Heartland Manufacturing helps your customer's transmission fluid do its best job by:

- * Producing smoother, quieter shifting
- * retarding oxidation
- * stopping transmission leaks
- * Reducing gum and varnish formation
- * protecting from corrosion
- * extending transmission life

Directions: Add entire contents to transmission, be careful to not overfill. If used to stop a leak, most should stop in 100 miles. **Heartland Transmission Sealer and Conditioner is compatible with all automatic transmission fluids.**

Car Care Tip: Offer the Fresh Start Super Service

PRICE/PRODUCT DATA	Part Number	Case Size
	61088	24/12oz.

HEARTLAND LIMITED SLIP DIFFERENTIAL SUPPLEMENT

— Synthetic for quiet, efficient operation for your limited slip differential

The Problem

When making a turn, the outer wheels of a vehicle must travel faster than the inner wheels. The differential acts as a balance arm, establishing constant equilibrium of torques and forces between the left-hand and right-hand driven wheels. In standard (or open) differentials, power is directed to the wheel offering the least resistance. This works well when making a turn, but when one wheel is lifted off the ground, it causes the suspended wheel to turn while the other wheel remains motionless.

Limited-slip (or positraction) and locking differentials are traction-increasing devices. Locking differentials transfer all available torque to both wheels. The teeth of the spider assembly engage with those on the locker clutch, causing both axle shafts to operate as one. Locking differentials do not allow one drive wheel to spin while the other remains stationary. Instead, they keep both wheels in the drive mode, but unlock to permit different wheel speeds when turning. Manual locking differentials typically utilize an electric motor or vacuum diaphragm to engage the locker, reducing this noise.

Limited-slip differentials allow different wheel speeds when turning, but when one wheel loses traction, greater torque is transferred to the wheel offering more resistance. Limited-slip differentials make use of friction between clutch plates, as opposed to the meshing teeth employed by locking differentials. Transferring less torque per side, limited-slip differentials are generally smoother and quieter than locking differentials, but still sometimes “chatter” when transferring torque to the wheel with traction.

The Solution

In limited slip differential applications, a friction modifier additive is necessary to reduce clutch chatter. Heartland Limited Slip Differential Additive is formulated with advanced friction modifiers designed to eliminate gear-housing chatter in cars, trucks and SUVs equipped with limited-slip or positraction. It also reduces the banging and clunking associated with automatic locking differentials.

Applications

Limited slip differentials. Do not apply to automatic transmissions or other applications requiring ATF.

Features & Benefits

Features Benefits

- Synthetic blendMaximized lubrications with synthetic technology
- EffectiveEliminates differential chatter, banging and clunking
- OEM compliantSafely replaces manufacturer recommended friction modifiers
- Compatible.....Formulated for synthetic and petroleum differential lubricants
- Convenient.....Flip-top dispenser provides quick and easy application to gear housing. One four-ounce bottle treats differential capacities up to 75 ounces.



HEARTLAND ATF D-VI SUPPLEMENT

— Fully Synthetic Formula

Description

A superior formula designed to enhance ATF that meets or exceeds Dexron® III / Mercon® ATF specifications to perform as a highly stable fluid such as Dexron® VI.

Applications

All General Motors vehicles specifying Dexron® VI as the preferred ATF fill.

Features & Benefits

Features

Benefits

- | | |
|------------------------------------|---|
| Specialized synthetic formula..... | Prevents ATF overheating and oxidation.
Extends frictional stability and fluid life. |
| Keeps components free..... | Helps keep your transmission components functioning freely; the torque converter, planetary gears, bands and clutches, shift valves, servos and accumulators. |
| Insures proper shifting..... | Provides smoother shifting and reduces drive train power loss. |

Directions

Note: Check dipstick or owner’s manual for proper fluid type. Do not overfill.

Exchange or replace all vehicles ATF with Dexron® III / Mercon® or equivalent.

For automotive and light truck applications, add one 10 ounce bottle of ATF D-VI Supplement to the vehicle.

For vehicle capacity greater than 11 quarts, add an additional one ounce of D-VI Supplement for each quart of ATF greater than 11 quarts.

Add with motor idling in park.

Note: Do not apply to CVTs (Constantly Variable Transmissions).

Package: 10 ounce bottles, 12 per case

Part Number: 61186

Power Steering Flush & Fill Kit

REAL NEEDS.

After a while deposits and build-up can find their way into the system. If the deposits remain trapped in the system over a period of time, moving parts of the power steering system may be impacted, allowing your system to lose performance and power. OEM's are now recommending cleaning for this crucial system. So why not have a kit that will flush away the deposits and replace the worn out fluid all together.

REAL SOLUTIONS.™

Heartland Machine Solutions' Power Steering Flush and Fill Kit is a two-part process that provides the vehicle with a complete flush and fill service, safely removing deposits that are trapped in the system. After flushing the system with the cleaner, refill with the Universal Power Steering Fluid. The HMS Power Steering Flush and Fill Kit can be used with any cleaning machine, services all types of vehicles including Honda, Audi, VW, and Porsche.

Directions: Follow the directions from your power steering flush machine manufacturer. Fill guidelines provided by the OEM.

Car Care Tip: Give the car a Fresh Start with the Power Steering Super Service

PRICE/PRODUCT	Part Number	Case Size
	#71103	6/32oz