

O.E.PRO Helps You Spring Into Action With Plenty of Seasonal Maintenance Opportunities

AS WARMER WEATHER STARTS TO SPREAD THROUGHOUT THE COUNTRY, the opportunities available to make extra revenue really begin to heat up. Nothing perks up a shop's bottom line more than a steady stream of vehicles coming through for routine springtime maintenance check-ups. The turnaround time is fast, the work is relatively easy and



THE BEST PROGRAM TO HELP YOU GROW IS O.E.PRO

the profits are good (especially when a visit leads to more substantial repair work or renews a relationship with a customer who had drifted away.)

Spring maintenance check-ups are also a great time to build customer relationships. Keeping your customers' vehicles operating at peak performance reinforces their driving enjoyment and satisfaction of being a Subaru owner.



Of course, installing only Genuine Subaru Maintenance Parts available in the O.E.PRO Program helps ensure that enjoyment and satisfaction, since these parts are specifically engineered to precise specifications for fit, performance and durability. What's more, they're backed by the Genuine Subaru Parts Limited Warranty.

With some eye-catching promotions and some simple organization, you can generate a constant flow of work through your service bays. Obviously, a spring check-up promotion is a strong event that draws a large number of customers annually. Marketing to your existing customer list via postcards, e-mail or phone should be your first step. But to build your business, try asking your existing customers for referrals. They may know other Subaru owners who they'd be willing to send your way for a token gift or discount in return. You can also advertise Subaru maintenance specials in local newspapers to help build up business.

Some independent repair shops try to create service traffic with specific parts promotions. With the new wiper blades that Subaru is introducing, now is the perfect time to run a "Check Your Blades" promotion. You can spur other fast-moving parts sales by focusing on them in your advertising. Running a "Buy 3 Get the 4th Free" spark plug sale can create interest from sources you may have not tapped recently. The idea is to be inventive and promote aggressively. That way, as the weather heats up, so can your sales.



Subaru Racing Season Gets Off to a Fast Start

The starting tree has been lit and the green has already flashed on brightly for the launch of the Subaru racing season. Drivers of the Subaru Impreza WRX and 2.5 RS have gotten off to a tremendous start. In the first D Stock race of the 2002 season for the Sports Car Club of America ProSolo Series held in Fort Meyers, Florida on February 16th and 17th, drivers of the new Subaru 2002 WRX finished in first, second, fourth and eighth positions. On the following week different Subaru 2002 WRX drivers came away with victories in the identical positions!

In other classes, such as Street Touring, Ladies Challenge and G Stock, Subaru drivers also finished first or were never far off the leading time.

This level of success is bound to generate a great deal of excitement among Subaru enthusiasts in your area. We hope you can take advantage of the wonderful opportunity such success breeds by offering Genuine Subaru Performance Tuning (SPT) Parts for the vehicles of avid Subaru drivers, from performance mufflers, struts and springs to the variety of sporty performance trim items. We suggest you race toward this opportunity to boldly promote Genuine Subaru Performance Parts in your shop. Don't forget, Subaru offers an extensive lineup for '98 and newer RS & WRX models.



Subaru Clears the Way for Sales of New Metal Wiper Blades and Refills

Although it's one of the simplest and most apparently necessary maintenance jobs your customers can bring to you, a great many drivers don't change their windshield wipers nearly often enough. Some folks try to live with them a little longer than is generally considered safe and that's simply not necessary or wise.

Especially now, since Subaru is introducing a brand new line of competitively-priced Genuine Subaru Metal Wiper Blades and Refills designed to work on the family of Subaru vehicles.

These blades feature a steel constructed superstructure for strength and durability. The natural rubber wiping edge is the highest quality available and the rubber-booted winter blade helps prevent snow and ice clogging. They fit and function perfectly and are easy to install. And, naturally, they are backed by the Genuine Subaru Parts Limited Warranty.



So look for wear and tear on your customer's windshield wipers, run special "Wow! I Can See Again" windshield wiper check-up promotions and always recommend Genuine Subaru Metal Wiper Blades and Refills. They're specially engineered to wipe a clean, clear path across their windshields so they can drive their Subaru

vehicles in complete confidence through any storm.

A Site to Behold! The End Wrench Web Site Makes It Easy to Find O.E.PRO info

If you haven't logged onto the new End Wrench Web site yet, you're missing out on one of the most practical tools available to you as a Subaru repair professional. The site is chock full of valuable labor saving tips from archived articles going back several years. The detailed repair suggestions in these articles can really help cut your Subaru repair and maintenance work time.

www.endwrench.com

Plus, when you click on the O.E.PRO logo, you'll find a huge number of application charts on engine components, remanufactured parts, replacement mufflers, automotive chemicals and Subaru Performance Tuning (SPT) Parts.

And now there's even more. We've added application charts for a variety of the fastest-moving Genuine Subaru Maintenance Parts.

With the click of mouse, you can now easily locate part numbers and model years for air, oil and fuel filters, brake pads and shoes, belts and spark plugs – all conveniently organized by Subaru model. You'll even find the names of Subaru N.E.W. Horizon Dealers in your area so you can contact them and order the part right then and there.

If you're working on a Subaru vehicle and need anything from a quick part number to a specific repair technique, check out the Web site dedicated to helping Subaru repair professionals move through their work quickly and easily. Check out www.endwrench.com today.

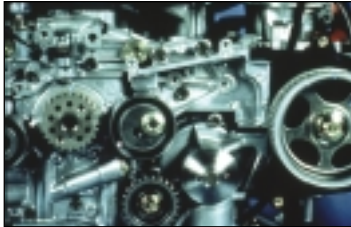
Genuine Subaru Maintenance Parts New Applications Charts Available
• Oil Filters • AC Belts
• Air Filters • Brake Pads and Shoes
• Fuel Filters • Spark Plugs
• Timing Belts • Alternator Belts

from approximately .5 to 1.5 volts.

The crank angle sensor contains a permanent magnet and a coil of wire. Do not drop the crank angle sensor as the magnet or the shape of the sensor may be damaged, which can alter the signal generated.

The crank angle sensor reluctor has six teeth arranged in pairs of two. The teeth are set at 10, 65 and 97 degrees BTDC.

The ECM uses the crank angle sensor input to influence or control the fuel and ignition systems. (Determines engine rpm, fuel injection timing, dwell and timing advance.)



Crank Angle Sensor

Cam Angle Sensor

The cam angle sensor functions in the same manner as the crank angle sensor. However, the value of the cam angle sensor A/C signal is slightly lower and the signal pattern is different. Cam angle sensor reluctor teeth are

located on the back side of the left camshaft sprocket. The ECM uses the cam angle sensor to determine fuel injection sequence and to reference the #1 cylinder.



Cam Angle Sensor and Reluctor

Fuel Injection Logic

The amount of fuel injected or duration is determined by the following:

Basic Duration + Correction Factors + Voltage Correction

Basic duration is determined by comparing QA and engine speed. Correction factors include:

- Start increment
- Coolant temperature
- After start
- Full increment
- Acceleration
- Air, fuel coefficient

Voltage correction compensates for the injectors time lag affected by battery voltage.

Learning Control

The amount of air monitored by the mass air flow meter or QA compared to the engine rpm is memorized by the ECM. This results in a representation of engine load. Engine load is used to update basic duration.

The Odds Are In Your Favor!

When you use Genuine Subaru Maintenance Parts, the odds are that everybody wins. That's because installing these competitively priced parts in your customers' vehicles keeps them running at peak performance, maintains Subaru owner satisfaction and ensures more Subaru cars are on the road than ever. And that's great for your bottom line.



Subaru Maintenance Parts are Best for Your Subaru Customers

Each part is specifically engineered to precise specifications to fit right, to perform better and to last longer. Take the materials in Genuine Subaru brake pads, for example. They're specially formulated to be



compatible with the rotor surface to help prevent brake jitter, noise and excessive heat buildup, which can impair stopping effectiveness.

The hidden cost of off-brand parts

Why try to save a few pennies on non-genuine parts that can cost car owners a lot more over time in poor performance, faster wear and possibly even damage due to poor fit or not being up to OE specifications?

Whether you need belts, hoses and spark plugs or filters, brake pads and shoes, your local Subaru dealer keeps a ready supply of frequently needed parts at prices competitive with off-brand parts. Keep your customers' cars running smooth for years to come with Subaru Genuine Maintenance Parts.

O.E.PRO MEANS BUSINESS!



Genuine SUBARU ENGINE COMPONENTS



...offer superior fit, reliability and value.

Restoring an engine's performance with Genuine Subaru engine components

is a smart decision. Our new components are far more reliable—and precise—than rebuilt alternatives. Rebuilt engine components are based on existing parts that have failed in service—for example, a rebuilt cylinder head from a core broker or junkyard. Why take chances with inferior aftermarket parts that not only don't meet the exacting standards met by Genuine Subaru Parts but that actually may fail again?

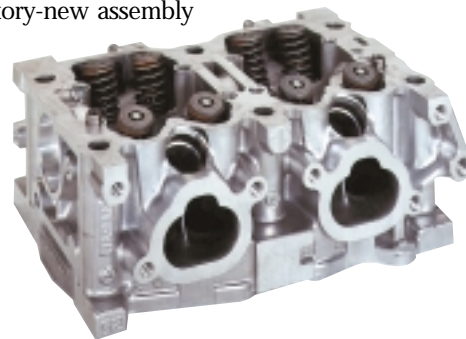
A wide selection of readily available parts

Whether you need an all-new replacement short block, oil or water pump, a clutch disk, camshaft or cam belt or other Genuine Subaru engine component, your local authorized Subaru dealer has a ready supply. You can order only those parts you need, restore an engine to

like-new performance and offer your customers faster turnaround.

Save time with pre-assembled cylinder heads

You can save on labor on your engine work by using pre-assembled Genuine Subaru cylinder heads. Each factory-new assembly is fully leak-tested and comes complete with all-new parts, including the cylinder head itself, valves, springs, seals and retainers. Plus, each assembly, like all Genuine Subaru engine components, is fully warranted and ready for installation. In fact, these components can save you time and money during installation compared to non-genuine parts that may require a force-fit. With Subaru Genuine Parts, you know you're getting the best—whether you're replacing a component or rebuilding an entire engine.



Genuine Subaru Engine Components

Years	Part #	Notes	MSRP
LEONE/LOYALE			
85-87	SOA4786060	RH Carb	\$ 333.25
85-87	SOA4786040	LH Carb	\$ 333.25
86-94	SOA4786070	RH SPI	\$ 333.25
86-94	SOA4786050	LH SPI	\$ 333.25
LEONE/LOYALE TURBO			
85-90	SOA4786090	RH	\$ 399.92
85-90	SOA4786080	LH	\$ 399.92
LEGACY			
90-94	SOA4786010	RH & LH	\$ 428.50
95	SOA4786010	RH A/T	\$ 428.50
95	SOA4786130	LH A/T	\$ 428.50
96	SOA4786140	RH & LH 2.2 M/T	\$ 428.50
96	SOA4786140	RH 2.2 A/T	\$ 428.50
96	SOA4786150	LH 2.2 A/T	\$ 428.50
96	SOA4786200	RH 2.5	\$ 457.07
96	SOA4786210	LH 2.5	\$ 457.07
97-98	SOA4786160	RH & LH 2.2 M/T	\$ 428.50
97-98	SOA4786160	RH 2.2 A/T	\$ 428.50
97-98	SOA4786170	LH 2.2 A/T	\$ 428.50
97-98	SOA4786180	RH 2.5	\$ 457.07
97-98	SOA4786190	LH 2.5	\$ 457.07
LEGACY TURBO			
91-94	SOA4786020	RH	\$ 671.36
91-94	SOA4786030	LH	\$ 671.36

All MSRPs are Net of Core

Years	Part #	Notes	MSRP
IMPREZA			
93	SOA4786100	RH 1.8 Calif. Spec.	\$ 399.93
93	SOA4786110	LH 1.8 Calif. Spec.	\$ 399.93
93	SOA4786120	RH 1.8 49 State Spec.	\$ 399.93
93	SOA4786110	LH 1.8 49 State Spec.	\$ 399.93
94-95	SOA4786100	RH 1.8	\$ 399.93
94-95	SOA4786110	LH 1.8	\$ 399.93
95	SOA4786010	RH 2.2 A/T	\$ 428.50
95	SOA4786130	LH 2.2 A/T	\$ 428.50
96	SOA4786120	RH & LH 1.8 M/T	\$ 399.93
96	SOA4786100	RH 1.8 A/T	\$ 399.93
96	SOA4786110	LH 1.8 A/T	\$ 399.93
96	SOA4786140	RH & LH 2.2 M/T	\$ 428.50
96	SOA4786140	RH 2.2 A/T	\$ 428.50
96	SOA4786150	LH 2.2 A/T	\$ 428.50
97-98	SOA4786160	RH & LH 2.2 M/T	\$ 428.50
97-98	SOA4786160	RH 2.2 A/T	\$ 428.50
97-98	SOA4786170	LH 2.2 A/T	\$ 428.50
98	SOA4786180	RH 2.5	\$ 457.07
98	SOA4786190	LH 2.5	\$ 457.07
FORESTER			
98	SOA4786180	RH	\$ 457.07
98	SOA4786190	LH	\$ 457.07

O.E.PRO MEANS BUSINESS!



Genuine SUBARU REPLACEMENT MUFFLERS



...offer perfect fit and function.

Unlike typical generic mufflers, **ONLY** Genuine Subaru Replacement and Performance Muffler Assemblies offer these unique advantages...

Welded, one-piece assembly

A Genuine Subaru Replacement Muffler Assembly is a complete, all-welded, one-piece unit that ensures easy and precise installation and fit—the same exact fit as the assembly supplied on the vehicle as original equipment. They eliminate the need to deal with the all-too-common combination of leak-prone pipe adapters; cumbersome multiple clamps; and adaptable hangers that never fit quite right.

Fully aluminized steel construction

A Genuine Subaru Replacement Muffler Assembly is a heavy-duty, integrated unit of thicker materials than typical aftermarket mufflers. Special corrosion-resistant

aluminized steel construction allows for long life. Sound absorbing materials help subdue sound without hampering performance—unlike typical replacement mufflers with few baffles to suppress exhaust noise.

Specifically designed for your customers' cars.

A Genuine Subaru Replacement Muffler Assembly is designed for each Subaru vehicle application—not “cross-fitted” to multiple makes and rigged with adapters. All mounting parts precisely match the original Subaru assembly for easy, safe, no-rattle replacement.

Competitively priced and backed by warranty from Subaru.

Each Subaru Muffler offers the quality of original equipment at a price that matches or beats aftermarket mufflers. And each is backed by the Genuine Subaru Parts Limited Warranty that covers the entire, integrated unit – not just the muffler itself—including welded-on pipes, clamps and hardware. Contact your dealer for complete warranty details.

Genuine Subaru Replacement Mufflers

Now Includes Performance Mufflers 1996–2001

Application	New Part Number	Previous Part Number	MSRP
82-87 BRAT	SOA8375100	SOA5225119	\$ 89.95
80-84 STATION WAGON & 4-DOOR SEDAN			
81-89 HATCHBACK	SOA8375200	SOA5225119	\$ 89.95
87-94 JUSTY	SOA8375300	744304451	\$ 89.95
85-93 LEONE/LOYALE SEDAN	SOA8375600	44301GA211	\$ 69.95
85-90 LEONE/LOYALE SEDAN-TURBO		44301GA221	
86-90 LEONE/LOYALE 3-DOOR	SOA8375600	44301GA211	\$ 69.95
86-90 LEONE/LOYALE 3-DOOR-TURBO		44301GA221	
85-94 LEONE/LOYALE WAGON	SOA8375700	44301GA231	\$ 69.95
85-90 LEONE/LOYALE WAGON-TURBO		44301GA241	
85-87 XT (THRU 12/86) INCL. TURBO	SOA8375800	44304GA321	\$ 129.95
87 XT TURBO (FROM 1/87)		44304GA341	
87-91 XT (FROM 1/87)		44304GA361	
87-91 XT6			
90-94 LEGACY (2WD) WAGON	SOA8375500	44304AA080	\$ 129.95
90-94 LEGACY (2WD) SEDAN	SOA8376000	44304AA110	\$ 129.95
90-94 LEGACY (4WD) SEDAN	SOA8375900	44304AA120	\$ 129.95
90-94 LEGACY (4WD) WAGON	SOA8375400	44304AA130	\$ 129.95
93-96 IMPREZA 1.8L (2WD)	SOA8376100	44305FA061	\$ 129.95
93-96 IMPREZA 1.8L (4WD)	SOA8376200	44305FA071	\$ 129.95
95-97 LEGACY (2WD) 2.2L WAGON	SOA8376800	44305AC110	\$ 129.95
95-97 LEGACY (2WD) 2.2L SEDAN	SOA8377100	44305AC090	\$ 129.95
95-97 LEGACY (AWD) 2.2L SEDAN	SOA8377000	44305AC100	\$ 129.95
95-97 IMPREZA (ALL) 2.2L; 97 1.8L (ALL)	SOA8377200	44305FA100	\$ 129.95
Genuine Subaru Performance Mufflers			
96-99 LEGACY GT SEDAN	SOA8376300	44305AC421	\$ 375.00
96-99 LEGACY GT WAGON	SOA8376400	44305AC411	\$ 375.00
98-01 IMPREZA RS COUPE & SEDAN	SOA8376500	44305FA100, 110	\$ 375.00
00-02 LEGACY GT SEDAN	SOA8377300	44300AE14A	\$ 375.00
00-02 LEGACY GT WAGON	SOA8377400	44300AE10A	\$ 375.00



IMPORTANT NOTE: Federal and California law prohibits use of these parts in making repairs covered under emissions-related warranties extended on the vehicle at the time of its original purchase. No claims under those warranties will be honored unless OEM parts are used.

O.E.PRO MEANS BUSINESS!



Genuine SUBARU AUTOMOTIVE CHEMICALS



...provide protection and enhance performance.

When it comes to fluids and other chemicals you put in a car, there's only one way to be sure you're meeting the same high standards of original Subaru equipment: Use Genuine Subaru Automotive Chemicals.

Subaru now offers a full line of quality tested aerosols and fluids.

This line covers all the essential service chemicals. From coolant and automatic transmission fluid to brake fluid and fuel injector cleaner, these premium chemicals are all approved by Subaru for use in Subaru vehicles. Each automotive chemical is engineered to assure maximum performance and trouble-free driving. And because they're competitively priced, you can use them day in and day out on all your service work and make extra money at the same time.

All refrigerants are not created equal!

Genuine Subaru R-134a Refrigerant, unlike many after-market products, is manufactured and packaged to the stringent Air Conditioning and Refrigerant Institute (ARI) 700 standard. This means possible contaminants are meticulously controlled, including moisture and non-condensable gases that can cause premature compressor failure and result in costly repair.



Genuine Subaru Automotive Chemicals

ITEM	CONTENTS	CASE QTY.	PART #	NOTES	UNIT MSRP
AEROSOLS					
Brake Cleaner	18 oz. net wt.	12	SOA868V9100		\$ 3.15
N/C Brake Cleaner	14 oz. net wt.	12	SOA868V9110	Non-Chlorinated	\$ 3.15
Carburetor Cleaner	11.3 oz. net wt.	12	SOA868V9120		\$ 2.73
Glass Cleaner	18 oz. net wt.	12	SOA868V9130		\$ 2.73
Aerosol Fuel Injector Cleaner	7 oz. net wt.	12	SOA868V9140	Aerosol/Rail Applied	\$ 15.08
Application Tool for Fuel Injector Cleaner			SOA868V9410		\$ 232.22
Application Tool Adapters			SOA868V9420	Incl. Hose Adapters, Fuel Block-off Clamps, etc.	\$ 77.33
Pour Fuel Injector Cleaner	16 fl. oz.	12	SOA868V9150	Fluid/Gas Tank Additive	\$ 5.67
Top Engine Cleaner	11 fl. oz.	24	SOA868V9160		\$ 2.73
Application Tools for Top Engine Cleaner			SOA868V9430	Incl. Tubes, Connectors, etc.	\$ 33.72
Throttle Plate Cleaner	4 oz. net wt.	12	SOA868V9170		\$ 1.68
Silicone Lubricant	12.5 oz. net wt.	12	SOA868V9200		\$ 2.94
FLUIDS					
Factory Fill Coolant	1 gal.	6	SOA868V9210	Required for warranty repairs	\$ 12.32
Brake Fluid	12 fl. oz.	24	SOA868V9220	Required for warranty repairs	\$ 2.83
Factory Fill Windshield Washer Concentrate	16 fl. oz.	24	SOA868V9230		\$ 2.53
Factory Fill Auto Trans Fluid/Power Steering Fluid	32 fl. oz.	12	SOA868V9240	Required for warranty repairs	\$ 3.22
REFRIGERANT					
R-134a Refrigerant	30 lbs.	1	SOA868V9310		\$ 188.78

Talk about Genuine Customer Appeal!

For the enhanced driving experience and responsiveness that performance enthusiasts crave, Subaru Performance Tuning Components are now available in more applications than ever. You can offer your most avid Subaru customers quicker steering response, racing quality shift action and quicker acceleration, plus performance styling touches that ardent WRX or '98 and later Impreza 2.5 RS drivers will love.



Genuine Subaru Performance Parts

Up to 2001 Impreza 2.5 RS



Description	Part #	MSRP
Rear Differential Protector	B0310ASS000	\$ 68.95
Short Throw Shifter	C1010FA000	\$260.00
Titanium Shift Knob (Sti)	C1010FA100	\$ 149.95
Carbon Fiber Shift Knob-M/T	C1010FA140	\$ 175.00
Carbon Fiber Parking Brake Lever	C1010FC121	\$295.00
Strut Tower Brace (Steel)	E4010FA000	\$ 144.95
Strut Tower Brace (Carbon Fiber)	E4010FA100	\$629.00
Gauge Pack (Performance)	H5010FA034	} \$595.00
Gauge Pack Housing (Gray)	H0017FC9100E	
Carbon Fiber Patterned Trim A/T	J1310FA130	\$ 254.00
Carbon Fiber Patterned Trim M/T	J1310FA140	\$ 254.00
Carpeted Floor Covers	J5010FS0010E	\$ 69.95
Front End Cover-Hood	M0010FS111	\$ 44.95
Front End Cover-Full	M0010FS140	\$ 119.95
SPT Decal Set (Blue)	SOA588N400	\$ 59.95
SPT Decal (Silver/Blue)	SOA588N450	\$ 59.95
Intermediate Pipe and Muffler	SOA8377500	\$495.00
*SPT Struts from KYB®	SOA837Z1100	\$575.00
*SPT Springs from EIBACH®	SOA855Z1100	\$279.95

* Sold "as is" without any warranty coverage. Intended for off-highway application only. May bring vehicle out of compliance with safety and/or emissions standards. Can only be lawfully installed by end user. See dealer for complete details.

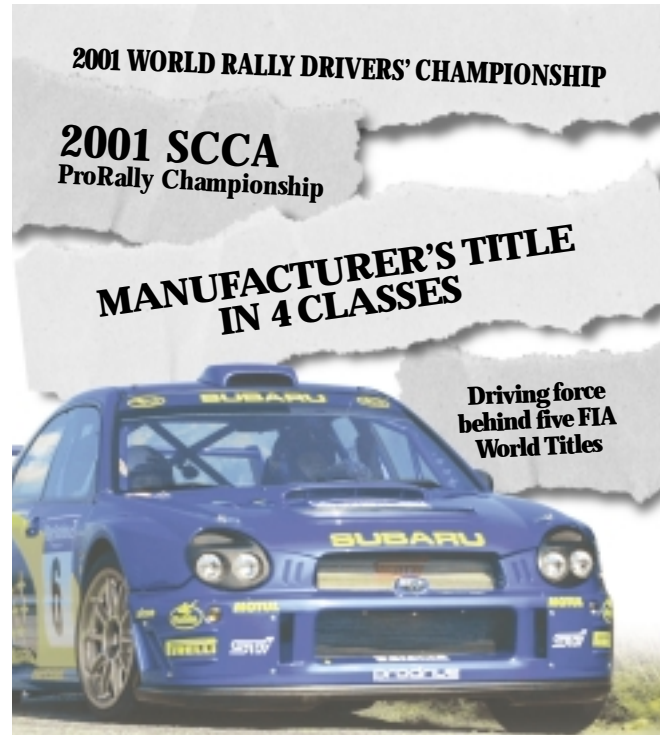
For additional details about the complete lineup of SPT parts and applications for WRX or '98 and later Impreza 2.5 RS models, contact your local authorized Subaru dealer.

Genuine Subaru Performance Mufflers

All Applications MSRP \$375.00



Application	Part #
96-99 LEGACY GT SEDAN	SOA8376300
96-99 LEGACY GT WAGON	SOA8376400
98-01 IMPREZA RS COUPE & SEDAN	SOA8376500
00-02 LEGACY GT SEDAN	SOA8377300
00-02 LEGACY GT WAGON	SOA8377400



Race Tested

Our growing line of performance parts is engineered specifically for the Subaru Impreza WRX or '98 and newer 2.5 RS.



- Strut Tower Braces
- Short-Throw Shifter
- Performance Mufflers and Intermediate Pipes



- Titanium Shift Knob
- Performance Suspension Parts Eibach® Springs, KYB® Struts
- Performance Gauges
- Carbon Fiber Trim Kits, Shift Knob and Brake Handle
- 17" BBS Forged and Subaru Pressure Cast Aluminum Alloy Wheels



- Rear Differential Protector
- Ground Effects Kits
- Front End Cover
- SPT Decals
- Rear Decklid Spoiler

To find your local dealer call 1-800-SUBARU3 or visit us online at www.subaru.com.



Not all parts applicable to all models/model years. See your local Subaru dealer for details.