

Performance Package

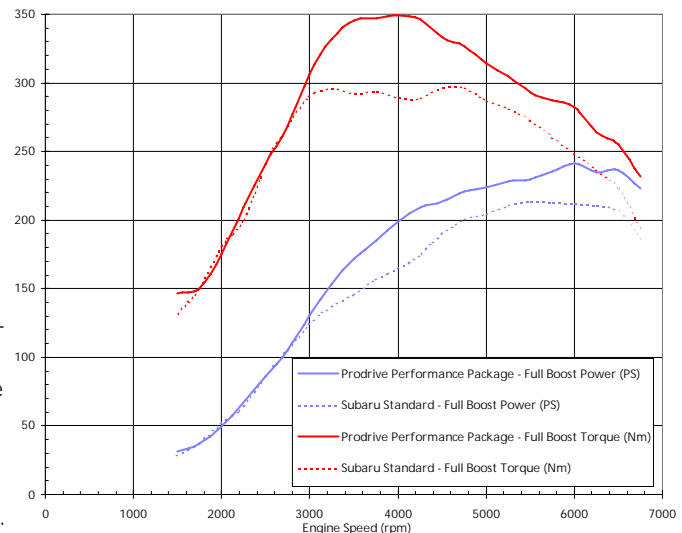


KEY FEATURES

- Upgraded engine management system
- Upgraded intercooler piping
- Centre and rear stainless steel performance exhaust silencers
- Only available as a complete package - components cannot be bought separately
- Manufacturer's warranty unaffected
- Certificate of fitment to enhance resale values

Tuned specifically to improve the car's performance in real-world driving conditions, the Performance Package boosts torque by up to 20% and extends its availability across a wider rev range than the standard engine.

Specially developed and only available for the '99 model year Impreza Turbo, this combination of enhancements boost peak power to 240PS at 6,000rpm. Even more impressive, however, is the 350Nm of torque available from just 3,500rpm, a 20% improvement over the already-prodigious 290Nm at 4000rpm of the standard car. Such is the impact of the changes that an engine fitted with the Prodrive Performance Package will exceed the standard car's peak torque from 2,900rpm right through to 5,500rpm, providing startling performance in the all-important mid-range for overtaking and responsive driving.



Further information overleaf

The improved performance is produced through a carefully developed combination of matched induction, exhaust and engine management modifications.

Subaru No.	Prodrive Part No.	Description
SACC2443	-	Impreza Performance Package (99MY)

IMPORTANT INFORMATION:

- This enhancement is offered only as a complete package. The constituent parts are not available separately, as they will only show their full benefits when used together.
- The transportation of the car to and from Prodrive is the responsibility of the dealer.
- **Vehicles supplied to Prodrive MUST BY LAW be registered and taxed with number plates fitted. In addition, the car should have a full tank of Super Unleaded fuel (98 RON) and, for new cars, a completed P.D.I. in order that the original warranty remains valid.**
- Following installation of the Performance Package, cars can be serviced in the normal manner. All service parts are standard Subaru.
- To obtain maximum benefit from the package, we recommend continued use of Super Unleaded (98 RON) fuel. Vehicles will run safely using normal 95 RON Premium Unleaded, but may not deliver their full potential due to the lower quality of this fuel. Should the customer choose to use 95 RON Premium Unleaded on a long-term basis, the ECU memory should be cleared by using the Select Monitor.
- The Performance Packages for pre-99MY and pre-97MY cars are still available. Conditions and procedures are as for the new package, but pre-97MY cars must run ONLY on Super Unleaded (98 RON) fuel following conversion. Pre-98MY cars must be fitted with 16" or 17" wheels to provide an adequate safety margin.
- Customers should be advised that most car insurers require vehicle owners to inform them of any changes to vehicle specification. Failure to do this may invalidate their policy.

DEVELOPMENT NOTES:

The performance curves reproduced overleaf were derived during testing at the Motor Industry proving ground at MIRA, using their mile straight to accurately reproduce the dynamic environment that customers' cars will operate in but under controlled, repeatable conditions.

The series of tests was devised and performed with a view towards consistency. The testing was done with minimum electrical drain and all windows wound up, and comprised:-

- Coast down test from 110mph to 10mph to calculate the aerodynamic drag and rolling resistance
- Wide Open Throttle (WOT) runs in each gear, from 1500rpm to the rev limiter (except 5th gear)
- In-gear performance
- Maximum speed
- Standing start runs

The data was then processed to deduce the power and torque curves shown overleaf.

mph	5th gear		4th gear		3rd gear		2nd gear	
	Standard	WR	Standard	WR	Standard	WR	Standard	WR
10-30							3.70	3.70
20-40					4.60	4.30	2.70	2.60
30-50			6.80	6.50	3.40	3.10	2.30	2.10
40-60	10.10	9.90	5.10	4.80	3.05	2.80	2.40	2.30
50-70	7.90	7.40	4.60	4.30	3.20	2.90		
60-80	7.00	6.50	4.70	4.60				
70-90	7.30	6.90						
80-100	7.70	7.10						

mph	Standard	WR		Standard	WR		Standard	WR
0-60	5.55	5.19	30-70 (through gears)	5.5	5.06	Standing Qtr	14.24	13.97