

Performance Products Catalogue







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About ASNU



ASNU are the world leaders in Testing & Servicing gasoline injectors with distribution in over 60 countries and more than 25 years experience in the market. ASNU have experience in every type of gasoline injector from the various injector manufacturers around the world. With tens of thousands of injectors being tested and serviced on ASNU machines in Aftermarket and Motorsport worldwide every year, our experience is unrivalled by anyone, anywhere else in the world. This gave ASNU the greatest experience and understanding when it came to developing a range of Performance Injectors that allow the user to achieve the level of perfection that tuners and owners are looking for.

The ASNU range of Performance Injectors offer a purpose designed and built injector with the ideal spray pattern to match the flow required. Based on ASNU's vast experience, these injectors are designed to meet the varied demands of the Racing & Performance markets.

All ASNU Performance Injectors have a multi-hole orifice cap, cut using the latest Laser technology for great accuracy and repeatability. Using this technology allows ASNU to produce injectors with specific spray patterns and flow rates to meet the performance customers' exact requirements.







All standard ASNU injectors are fitted with easy to see Flow Rate and Spray Pattern Identification Rings. Each spray angle option is matched to the flow rate to ensure optimum usage of the fuel provided. This means that there is no more confusion over which injector you have and exactly what is expected of the selected injectors.

The ASNU website shows details of the colours and specifications and also shows the technical data required by the tuner to accurately map the system known as ASNU Injector DNA.

ASNU's Injector Diagnostic Testing & Servicing System gives the ASNU Injector Distributors and their customers a worldwide guarantee and service that no other can match. Every injector is tested and matched for Fuel Delivery, Fuel Distribution & Atomisation before they are released to the customer. Flow Rates are checked and matched to within 1%, using the ASNU system. No more guess work about the performance of the injectors you are purchasing, you now have ASNU INJECTORS!

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Spray Patterns & Flow Rates

All injectors are fitted with easy to see Flow Rate and Spray Pattern identification rings with the top ring indicating the Spray Angle and the lower ring representing the Flow Rate. The table below shows the varieties of flows and sprays available:

Basic Part No	Spray Pattern	Injector CC
ASNU090/300	IO°	300cc
ASNU090/350	Ю°	350cc
ASNU090/400	20°	400cc
ASNU090/450	20°	450cc
ASNU090/500	20°	500cc
ASNU090/550	20°	550cc
ASNU090/600	20°	600cc
ASNU090/650	20°	650cc
ASNU090/700	20°	700cc
ASNU090/750	30°	750cc
ASNU090/800	30°	800cc
ASNU090/850	30°	850cc
ASNU090/900	30°	900cc
ASNU090/950	30°	950cc
ASNU090/1000	30°	1000cc
ASNU090/1050	30°	1050cc
ASNU090/IIOO	30°	llOOcc
ASNU090/PI250	30°	1250cc
ASNU090/2000/I300	25°	ІЗООсс
ASNU090/2000/1400	25°	1400cc
ASNU090/2000/I500	25°	1500cc

Injector Ends & Various Manifold Fitments

ASNU performance injectors can be supplied in a large range of different fitments to suit various inlet manifolds from stock to aftermarket and also custom fitments such as various throttle bodies. We offer the most comprehensive range of different flow rates and and fitments in the market and the image below is just a selection of some of the variants we offer:



Fuel Rail & Manifold Adapters



We offer a selection of various fuel rail couplings and manifold adapters for fitting our performance injectors into various sized fuel rails and inlet manifolds from stock fitment to various aftermarket applications.

ASNU Part No:	Description:	Image:	
ASNU090/FRCIOD	14.5mm to 10.5mm Fuel Rail Coupling for Nissan	3	
ASNU090/FRCIOH	14.5mm to IImm Fuel Rail Coupling for Honda/Subaru		
ASNU090/FRCIID	l4.5mm to IImm Fuel Rail Coupling for Toyota/Mitsubishi		
ASNU090/FRCI4G	l4.5mm to l4.5mm Fuel Rail Coupling extension - I2mm extension		
ASNU090/FRCI4M	14.5mm to 14.5mm Fuel Rail Coupling extension with Methanol compliant o-ring		
ASNU090/FRCI5	14.5mm to I5mm Fuel Rail Coupling		
ASNU090/FRCI4EXT	l4.5mm to l4.5mm Fuel Rail Coupling extension - 24mm extension		
ASNU092/MAJZ	Manifold Adapter for I/2JZ Toyota manifolds (for side feed to top feed conversions)		
ASNU092/MA-SR	Manifold Adapter for Nissan SR2O/RB25 manifolds (for side feed to top feed conversions)		
ASNU092/MA-EJ	Manifold Adapter for Subaru EJ engines (for side feed to top feed conversions)	Ø	

Harness Adapters & Plugs

Whether you are fitting ASNU performance injectors (or other brands of injectors) to your vehicle, we offer a selection of harness adapters and wireless connectors to suit your application.

ASNU Part No:	Description:	Image:	
ASNU090/HA00I	Wireless Connector - US Car injector to Bosch loom		
ASNU090/HA002	Wireless Connector - Bosch injector to US Car loom		
ASNU090/HA003	Bosch (with clip) with tails and rubber boot		
ASNU090/HA004	Bosch injector to Denso (Nissan) loom		
ASNU090/HA005	Bosch injector to US Car loom		
ASNU090/HA006	Bosch injector to Honda Kei Hin Ioom		
ASNU090/HA007	Bosch injector to Sumitumo (Toyota) loom		
ASNU090/HA008	Bosch injector to Bosch loom extension		
ASNU090/HA009	Bosch injector to Denso MK3 (Nissan) loom		
ASNU090/HA0I0	Bosch (with clip) injector to Denso MK3 (Nissan) loom		
ASNU090/HA0II	Wireless Connector - US Car injector to Sumitumo loom		
ASNU090/HA0I3	Bosch injector (with clip) to Denso (Toyota) loom		
ASNU090/HA0I4	Bosch injector (with clip) to Jecs (Nissan) loom		
ASNU090/HA0I5	US Car plug with pins and dust seals		
ASNU090/HA0I6	US Car injector to Denso MK3 (Nissan) loom	7	
ASNU090/HAPlug	Bosch injector plug with clip, pins and rubber boot		

The 'A' cap injector is the base injector that we use for many Nissan, Toyota and Mitsubishi applications due to its narrow manifold end. We can supply a variety of different o-rings on the lower end to seal in the manifolds correctly; replicating the fitment of the OEM injector.



Below are some examples of OEM injectors, with ASNU equivalent injector alongside and the part numbers required to be ordered. These are just some examples of the many different applications we can offer a solution for.



Some of the many vehicles that use our 'A' cap base injector: Mitsubishi Evo 5-9 Mazda RX8

ASNU 'B' and 'C' Cap Injectors

The 'B' and 'C' cap injectors that we offer, are based on the same injector end but with the o-ring placed in a different location, meaning you can create either fitment very easily. This fitment is probably the most common fitment of fuel injector that we offer with a I4mm o-ring seal into the inlet manifold.



Below are some examples of OEM injectors, with ASNU equivalent injector alongside and the part numbers required to be ordered. These are just some examples of the many different applications we can offer a solution for.



ASNU090/****B+60B

ASNU090/****C ASNU090/HA0I0

Some of the many vehicles that use our 'B' or 'C' cap injector: Mini WII Nissan R34 Neo Nissan R35 GTR

ASNU 'D' Cap Injectors

The 'A' cap injector is the base injector that we use for many Nissan, Toyota and Mitsubishi applications due to its narrow manifold end. We can supply a variety of different o-rings on the lower end to seal in the manifolds correctly; replicating the fitment of the OEM injector.



Below are some examples of OEM injectors, with ASNU equivalent injector alongside and the part numbers required to be ordered. These are just some examples of the many different applications we can offer a solution for.



Some of the many vehicles that use our 'D' cap base injector: Mitsubishi Evo IO Lotus Exige

ASNU 'E' Cap Injectors

The 'E' cap injector is usually supplied as per the configuration shown below. We can supply a variety of different o-rings on the lower end to seal in the manifolds correctly if required; to replicate the fitment of an OEM injector.



Below is an example of an OEM injector, with ASNU equivalent injector alongside and the part numbers required to be ordered. This is just one example of the various applications we can offer a solution for.



ASNU090/****E+I8 ASNU090/IImm Top ASNU090/HA0I0

Some of the vehicles that use our 'E' cap injector: Subaru

ASNU 'SC' Cap Injectors

The ASNU 'SC' range of injectors came about when we were asked to supply a replacement injector for the Subaru BRZ/Toyota GT86/Scion FR-S. This injector has a long nose that protrudes all the way through the inlet so there is no wetting of the walls from the injector spray, delivering an efficient spray directly to where it is needed.





ASNU093/****SC+I8 ASNU090/IImm Top ASNU090/HA0I0 ASNU093/****SC ASNU092/MAJZ+30B ASNU090/FRCI0H

Some of the many vehicles that use our 'SC' cap base injector: Toyota GT86 Subaru BRZ Honda NSX

ASNU 'Short SC' Cap Hi Flow Injectors

The ASNU 'Short SC' range are our higher flowing SC fitment injectors. Using our high flow core injector which is a different length, we apply our short SC cap for the narrow fitments required. These injectors are available in I300, I400 and I500cc flow rates.





ASNU093/2000/****SC ASNU090/HA002 or ASNU090/HA005

Some of the many vehicles that use our 'SC' cap base injector: GM LS engines



ASNU '2000 Range' - High Flow Injectors



The ASNU 2000 range of injectors offer I300, I400 and I500cc flows. These are available in all of our standard 'A', 'B', 'C', 'D' and 'E' fitments and along with our various manfiold adapter caps, fuel rail adapters and harness adapters, they can be used to supply a high flow replacement injector. They all have multi-hole orifice plates like the rest of our injectors, to offer the best spray and atomisation, whilst delivering a high fuel flow.

All of our fuel injectors are compatible with all gasoline based fuels including race fuels and E85.









ASNU 'Classic' range of Injectors

The ASNU Classic injector range is designed to replace the older D-Jetronic & L-Jetronic injectors that are no longer available to purchase new.

Our replacement injectors provide a new alternative to the various manufacturers' injectors including Bosch, Marelli, Rochester, Denso, Siemens and more.

We offer our Classic range in various fitments to match the originals; whether this is a standard o-ring injector, or a hose fitment injector. Just a few examples of these are shown below, with many more options available.





We offer a range of various fuel rails. The fuel rails below are all fuel rails to convert from the old side feed injectors, to run ASNU performance injectors.



Subaru

Our Subaru fuel rails are sold as a pair and are designed to convert EJ20 phase I, I.5 and phase 2 engines to top feed. This fitment can support our ASNU injectors from 300cc up to II00cc in our standard fitments. The kit comprises of 2 x rails, 4 x spacers, 4 x bolts and 4 x manifold adapters.

Part No: ASNU092/WRX



Nissan SR20 VVT

Our Nissan SR2O VVT rail is designed to convert the old side feed set-up found in the VVT engine to top feed, without having to remove the idle speed control valve. This fitment can support our ASNU injectors from 30Occ up to ISOOcc in our standard fitments. The kit comprises of I x rail, 3 x fitting bolts, I x link pipe and 4 x manifold adapters.

Part No: ASNU092/SR20DET

Please note these fuel rails are usually supplied in blue or black finish depending on our current stock levels. Please check with us before placing any orders.

ASNU Fuel Rail Conversions

Nissan RB25



Our Nissan RB25 fuel rail is designed to convert the old side feed set-up found in the RB25DET engine to top feed. This fitment can support our ASNU injectors from 300cc up to I500cc in our standard fitments. The kit comprises of I x rail, 2 x fitting bolts, 2 x spacers, 2 x AN fittings and 6 x manifold adapters.

Part No: ASNU092/RB25

Toyota 2JZ VVTI



Our Toyota 2JZ VVTI rail is designed to convert the old side feed set-up found in the VVTI engine to top feed. This fitment can support our ASNU injectors from 300cc up to ISOOcc in our standard fitments. The kit comprises of I x rail, 2 x fitting bolts and 6 x manifold adapters.

Part No: ASNU092/2JZ



ASNU Fuel Rails - R35 GTR



The ASNU R35 GTR fuel rails are designed for high performance engines, as our rails have a 17mm internal bore; far larger than the 3/8" OEM fuel rails, allowing a much higher flow of fuel. Our rails allow the retention of the stock rail mounted fuel damper using our spacer plate and are supplied with -8AN Orb fittings at each end.

We also offer some add-ons for the rail kit as follows:

ASNU092/R35 FPSensor - A pressure sensor kit is available to replace the stock pressure damper fitted to the rail. This is an ultra fast sensor able to detect pressure drops as fast as I millisecond and is able to cope with fuel pressures as high as IO bar. The sensor is supplied with a plug and play harness and is designed for customers on speed density with MAF delete kits. The sensor unit is designed to clear stock manifolds.

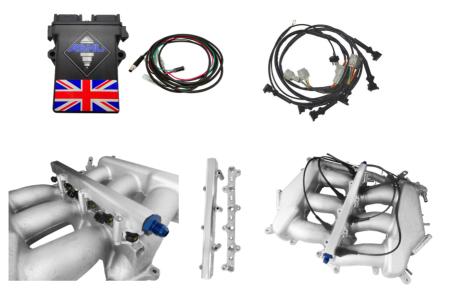






ASNU092/R35 Regmount - To allow the factory fuel pressure regulator and damper assembly with its associated flexible pipe work to be retained, we can supply a connector kit that mimics the factory flanges in the back of the rail. These parts replace the rear -8 rail fittings but it does, however, limit the fuel flow to that of the factory regulator and pipe work. We do not recommend this for high HP applications.





The ASNU I2 injector kit allows an additional 6 injectors to be fitted to an R35 GTR with a stock inlet manifold. The new set-up utilises a stock manifold (done on an exchange basis) that is inspected, cleaned and then machined. The conversion parts are then bolted and bonded in place.

Alongside the fitted rails, we supply the additional driver box to control the additional 6 injectors, the wiring loom for the injectors and a status light that can be dash mounted to keep an eye on the operation of the control box.

The I2 injector kit is designed specifically to suit the ASNU SC range of injectors fitment wise. We usually recommend a IOSO or IIOOcc injector for this application.

We can supply just the driver box if a different injector set-up is being used and we offer either Bosch, Denso or US Car fitment injector add-on looms.

Part No: ASNU092/GTR Driver - Driver Box Part No: ASNU092/GTR/3rd Rail - Rail for additional injectors

ASNU Fuel Pumps - FP330E

We offer a range of Performance Fuel Pumps for various applications including pumps fully compatible with race fuels including E85.

The ASNU FP33OE pump is an in-tank pump that is a direct replacement for many vehicles including the R35 GTR (2 required) This pump is compatible with even the harsh race fuels such as E85. We do however, recommend that fuel pump filters are regularly checked, due to the dielectric properties that the alcohol like fuels have.

This pump flows 330Lph @ 3 bar and internally consists of a carbon commutator and carbon graphite brushes, making them a far more durable and long lasting pump in comparison to many other pumps on the market.



Fuel in Lts/Hr	ASNU 92/FP330E vs Nissan OEM R35 GT-R Fuel Pump				AM	
480						
430	-					16
380			2			15
330	-					14
280		_		-		12
230			-		-	10
180	×	×	~~~~~			8
130				×		.6
80					×	4
Bar Pressure	1	2	3	4	5	
Lbs/Hr ●	390	362	328	300	271	
AMP 🔳	11.5	13	14	15	16	
Lts/Hr OE X	199	176	154	135	112	
AMP OE 🔺	4.3	5	6	7	7.7	

ASNU Fuel Pumps - FP340

The ASNU 340 series of fuel pumps are a 340Lph in-tank fuel pump. We offer 4 fitments - Centre Inlet, GM Inlet, Inline Inlet, Offset Inlet. These are a direct drop-in fitment for many vehicle applications, with little or no modifications required. We supply these along with a filter sock, small piece of rubber hose with fittings, electrical plug with wire tails and rubber boot (if required).



ASNU Classic GDI Injector Diagnostics & Servicing Machine



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ASNU Injector DNA & Remote Control Programme

The Remote Control software is designed to work alongside the ASNU Classic GDI. The Asnu Classic GDI machine is pre-programmed with a limited set of injector testing settings, so running the ASNU Remote Control Software with the machine will allow you to take more control when testing and servicing your injectors and replicate behaviour much closer to on-vehicle performance.



Feetures of the ASNU Remote Control Softwere

Full control of injector parameters including the following:

- * Fast Turn On Time (GDI/FSI)
- Peak Current
- * Hold Current
- * Flow Test Duration (injections or seconds)
- Injector Voltage (Optional extra in conjunction with the Variable Voltage machines and the USB controlled power supply box)

Other features include:

- * Ability to automatically estimate the flow test duration that will be required to fill the flow tubes
- The ability to generate the Offset / Deadtime data for any injector at different voltages and pressures
- Automatic conversion of flow values from volume in (cc) to flow rate (cc/min and lbs/hour)
- Automatic conversion of flow values from Asnu FlowRite liquid to Vehicle fuel including user adjustment for different fuels
- * Graphical representation of the injector current demand
- * Ability to save configuration settings

- Engine Speed
- * Pulse Width
- * Duty
- * 4 or 2 Stroke selection

- * Graphical representation of the injector Offset / Dead-time
- * Ability to match sets of injectors
- Flow results and test settings can be saved, viewed and printed (Excel or Excel file compatible reader required)
- * Graphical representation of the injector Pulse Width and Duty
- * Built in User manual and instruction links
- * Free IO day trial available



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Worldwide Distributors

See website for further details:

www.asnu.com/distributors/global/injector



www.asnu.com