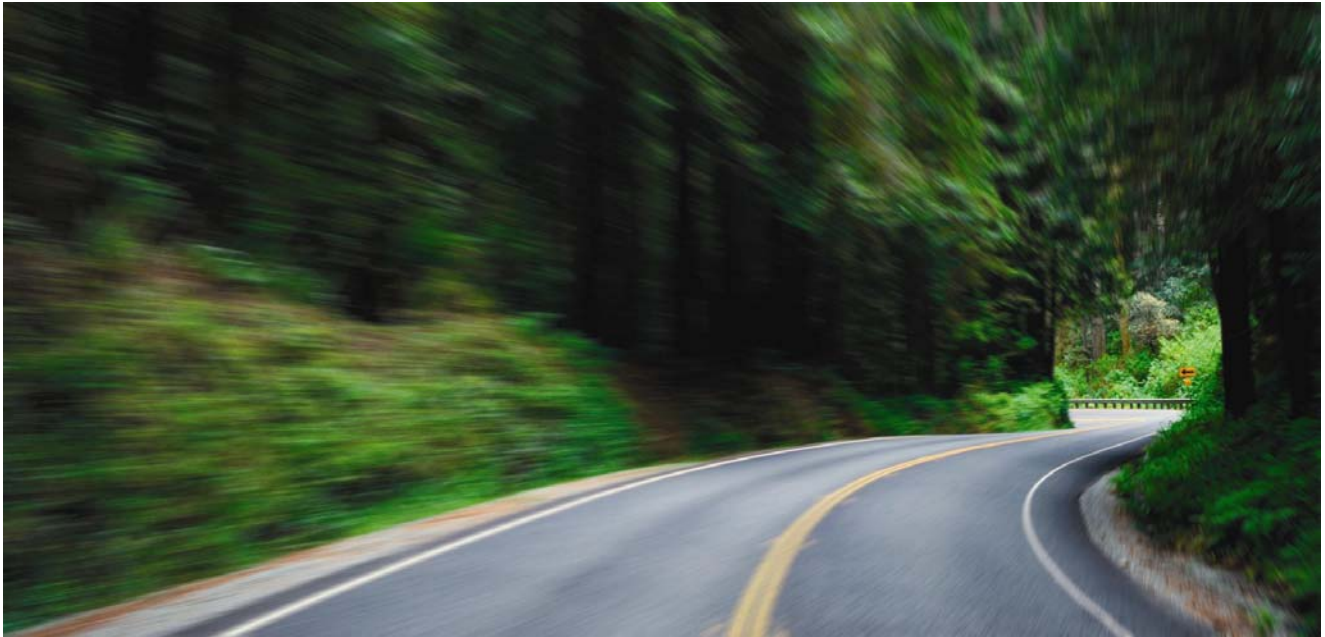


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Digital Adrenaline For Your...
Mitsubishi Starion 2.0 Leaded Turbo



Powerchip technology enhances your Mitsubishi to its ultimate level, delivering faster, smoother acceleration in all driving conditions. Whether you enjoy a leisurely weekend cruise or a hard racetrack drive – there is no easier and more effective way to release the potential from your Starion 2.0 Leaded Turbo.

The following information is an overview of the performance the Powerchip will deliver. If you have any questions, your Power Consultant will assist you as best as possible. We look forward to giving you the best performance possible from your Mitsubishi.



Make	Mitsubishi
Model	Starion 2.0 Leaded Turbo
Engine	4G63
Year	Aug 84 to Sep 95
Powerchip Code	MIT0032

Power

In standard form the Mitsubishi Starion 2.0 Leaded Turbo produces 125 kw at the flywheel, and Powerchip improves the engine power to 147 kw.

Power (kw)			
Standard	Bronze/ Silver	Gold	Gold 98
125	140	143	147

Power Increases (kw)			
Bronze	Silver	Gold	Gold 98
15	15	18	22

The extra performance achieved by the Powerchip allows your vehicle to respond much better than stock Starion 2.0 Leaded Turbos. You will notice an effortless push back into the driver's seat, to give you a much more enjoyable and at times safer driving experience. The Powerchip will tap into your Mitsubishi's 'hidden reserves', to give you an immediately noticeable improvement from your vehicle – we guarantee it!

Torque

Torque is a measurement of your engine's pulling power, and it is torque that pulls you up hills, allowing your engine a more linear and aggressive acceleration curve. With the Powerchip, you notice the increase in torque right throughout the rev range, which gives you far greater flexibility at low engine revolutions. Towing will become less demanding, and you will no longer feel the need to take the engine to the redline in each gear to get the performance you demand... It's always there for you, when you really need it most!

Torque (Nm)			
Standard	Bronze/ Silver	Gold	Gold 98
245	271	279	286

Torque Increases (Nm)			
Bronze	Silver	Gold	Gold 98
26	26	34	41



Acceleration

Increased Power and Torque results in faster acceleration. And it is not just standing start acceleration that is improved, your in-gear acceleration is as well.

If overtaking is important to you, you will feel safe knowing that you spend less time on the "wrong side of the road", improving the safety of your car, for you and your family or passengers.

Perhaps you feel that you need that extra bit of power when you are lined up at the "traffic light grand prix" against another car with similar (or more) power? If you want to have the unfair advantage that will give you more 'GO' away from the lights, you need a Powerchip performance software upgrade for your Starion 2.0 Leaded Turbo.

Fitting Details

Your car uses an ECU which has an embedded processor. This means that your car does not use a chip or EPROM that can be modified. However, performance can be improved with the Powerchip Powerboard that plugs directly into a connector on your existing computer. Installation takes about 1 hour and can be performed by any Powerchip Authorised fitting center. We have authorized fitters in most areas. Please enquire at the time of order for the closest location to you.

On Road Development

Where Powerchip really shines out over its competitors is the emphasis and time spent refining the program for drivability and enjoyment. Much more a 'real world' gain than full throttle horse power runs on a dyno, part throttle refinement is a gain everyone uses every time they drive the vehicle. Flat spots and poor off the line performance are smoothed out in this process, and transient throttle conditions are made razor sharp for the ultimate in response. Real time changes to tables like throttle response and power enrichment are done on road to fine tune the driving experience of the vehicle, with acceleration timing equipment used to ensure consistent and measurable gains in part throttle drivability.



Drivability

Powerchip technicians do not spend their whole research and development focus tuning the full throttle performance of each vehicle. A significant emphasis is placed on the part throttle performance. We understand that driving in everyday conditions is more than just flat out acceleration, with your foot flat to the floor.

With Powerchip performance software, your car will perform to its potential, even when you are not demanding the peak performance. You no longer need to mash the throttle to take off briskly, and in-gear overtaking can be performed without needing to change down gears.

One of the main benefits of choosing to enhance your vehicle with the Powerchip is the improvement you will feel in all driving situations, no matter what your driving style is...



Manufacturers Tolerances

Mitsubishi unfortunately leaves large tolerances in the performance characteristics of its entire fleet to allow for drivers that are negligent on maintenance, and who are non-enthusiasts. The Starion 2.0 Leaded Turbo is 'de-tuned' to be able to run on the poorest grade of fuel that the car is likely to encounter anywhere in the world, and also to allow for the small percentage of owners who put their cars reliability to the test due to their lack of mechanical understanding. In most cases, our clients are enthusiasts who place more emphasis on the performance characteristics of their vehicle, and therefore the Powerchip does not need to be programmed as conservatively as the stock software.

Modified Spark Advance

In the old days the ignition distributor controlled the engine spark timing. Changes to the position in the distributor will result in changed ignition settings, and is a good method of 'tune-up' for older vehicles. Modern engine ignition is controlled by a series of tables or maps. These maps give the engine any instructions required to operate, under ALL load and rev per minute access points.

Similar to the old systems, advancing the point of ignition within a cylinder results in increased power and torque. It is important not to advance the timing beyond the capabilities of the fuel used, or else detonation can occur. Peak kilowatts are achieved when ignition timing is set as close to the point of detonation as possible, without exceeding it. This is the primary purpose for asking the octane rating each client uses most frequently, so that the software is set to the correct level of ignition advance for the fuel used.

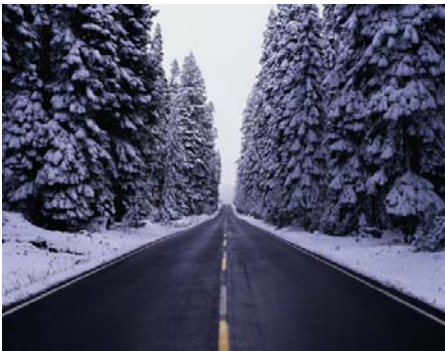
The end result of ignition advance changes is increased power and torque, resulting in better acceleration and various other driving benefits.



Octane ratings

The Powerchip is designed to get the best from your engine, and to do this it is recommended that you use a high performance fuel. When ordering your Powerchip upgrade, your Power Consultant will ask you for the octane rating you would like your program to run. The advantage of using better fuels can be explained in further detail by your consultant.

Powerchip Gold is designed to run on fuel with an octane rating of 95 (Premium Unleaded, Caltex Vortex, Ampol Gold). Powerchip Gold 98 is designed to run on fuel with an octane rating of 98 or higher (Shell Optimax, BP Ultimate, Mobil Synergy 8000). We highly recommend that you use the highest-octane fuel available to you.



Our Satisfaction Guarantee

Every Powerchip sold in Australia comes with an unconditional 14-day money back guarantee*. This ensures that the Powerchip will live up to your expectations, not ours! If for any reason you are unsatisfied with the Powerchip, you may return the Powerchip to your place of purchase for a full refund of the purchase price (not including shipping and handling, installation and removal etc.).

Our satisfaction guarantee* offers you total peace of mind, and makes the purchase of the Powerchip risk free. By purchasing a Powerchip you have nothing to lose – and everything to gain!

* Valid for purchases from March 11th 2006 until December 31st 2008

Servicing

In a regular service it is very unlikely that the dealer would perform any tasks that are additional to those required by the manufacturer. The dealer tool may be able to detect that modified software has been fitted to the vehicle. The vehicle can still continue to be flashed by the dealer with any software updates that become available. The Powerchip does not 'lock out' the dealer from reflashing the car. The Powerchip software does not make it any different to service than a vehicle with out a Powerchip. All 'Fault Codes' continue to be able to be read, just like a standard car



Warranty

All Powerchip upgrades come with a three-year, unlimited kilometer warranty, for the original purchaser, which means that if anything occurs to the Powerchip in that time, we will replace it without charge to you.

The terms and conditions of the Powerchip warranties can be viewed in detail on our web site at

<http://www.powerchipgroup.com/products/warranty.asp>

Value for a Lifetime

The investment you make in the Powerchip will last for as long as you keep your car, and for most of our customers, that is normally for 3 or 4 years. So when you consider the benefits of the chip over a number of years, it is not a lot to pay for extra performance you will probably use nearly every day. As a percentage of the total cost of your car, the Powerchip works out to be very cost effective. Also, with the Powerchip, you can expect your car to command a higher price when it comes time to sell!

Cost Effectiveness

As we all know, modifying late model vehicles is not a cheap exercise, however, when you look at it on a kw per dollar basis, the Powerchip comes in ahead of any other modification you could make to your Mitsubishi. Have a look at just how well the Powerchip stacks up:

Price	\$490
kw Gain	22 kw
Price/kw	\$22.27

The Powerchip is designed to offer excellent value for money compared with other modifications you might be planning in the future.

Cost AUD(\$)				
	Bronze	Silver	Gold	Gold98
Price (Inc GST, freight additional)	\$290	\$390	\$490	\$490

Ask the Experts

Your Powerchip Power Consultant is trained to provide you with the best information about getting more performance for your car. We have a specific Power Consultant who is responsible for the Mitsubishi range, and he is an expert at answering all of your technical questions, especially about the Starion 2.0 Leaded Turbo. If you would like to speak with your Power Consultant about any aspect of the upgrade, please telephone our Australian headquarters in Melbourne, Victoria on (03) 9681 6888 or email your Mitsubishi Power Consultant directly at sales@Powerchipgroup.com.

Customer Testimonials

Customer Name: Mr. K,

Car: Pajero 3.0 V6 (NH)

Testimonial added: Apr 1 1998

Customer Comments:

"I found that the powerchip increased the power in my Pajero. I noticed the power increase mainly in the mid range gaining improved acceleration.

The information in the Powerchip brochure was accurate.

The fuel economy was slightly heavier, barely notable. The car idles approximately 100 RPM Lower.

Overall the powerchip is reasonably good value for money, I would recommend the chip, if a small increase is acceptable."

Customer Name: john , wollongong

Car: Magna Sports / VR / VR-X 3.5

Testimonial added: Jan 20 2004

Customer Comments:

"great service & delivery thankyou .

the chip has greatly improved starting ,idling and especially the response of the motor as you move the accelerator even only a small amount.

you can really feel the extra power ,especially from 3000 rpm to 5500 rpm when you put the foot down. (my wife even noticed it)

what was even better was the loss of sluggishness in manual mode (tiptronic).

we have a k&n filter fitted with the air intake modifications,this really compliments the Powerchip

we have found fuel economy improvements during normal driving ,which is hard to do as the car is a lot more exciting to drive.

Thankyou again and keep it up."

Customer Name: William C, Ryde

Car: Magna Sports / VR / VR-X 3.5

Testimonial added: May 24 2004

Customer Comments:

"Having considered purchasing the Powerchip prior to purchasing the car I wonder now why I waited 6 months. The car is now so much more responsive around town and the engine now revs so much more "sweetly", particularly from 3000 rpms. On the freeway the extra torque is very noticeable with the hills easily consumed without a gear change.

Have only had the Powerchip in for a 1,000kms of travel and I am very happy with the investment I have made.

Will upload a pic of the car when I get a moment.

"

Customer Name: Anthony S, Newborough

Car: Magna Sports / VR / VR-X 3.5

Testimonial added: Feb 10 2004

Customer Comments:

"At first running on only Premium Unleaded the results were very good. The other modifications I had done like the Pod Air Filter and Lukey Race Muffler gave me a kilowatt jump of 12. Then, I filled the car up with Shell Optimax and the change that alone made was remarkable. The car is now at 180kw from 163kw. Excellent torque all the way through the rev range. The car feels great to drive and has more power overall. I am very happy with the result the Powerchip has given my car."