

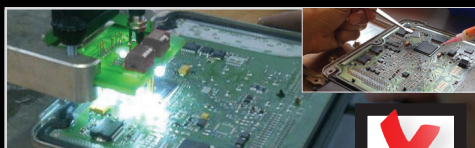
“Cheap” tuning - is not always as advertised.

Do you know the facts?

Many customers only want more power – no matter how. But it is very important to know how this increase is achieved. Not every form of tuning is “healthy”

As the pioneers in Injection Duration Technology and Intelligent PowerModules – STEINBAUER has over 20 years experience in development and manufacture of these products. Our competitors are very new comers to this technology; some products advertised, as ‘Injector Duration’ products are simply a Rail Pressure Box in disguise, whilst others lack the fine-tuning and development experience to have a product that really works and works safely.

So when a customer asks, “Why should I buy STEINBAUER? This product says that they do the same for hundreds of dollars less.” The answer is simple. Does it really do what is claimed? And is your engine safety worth the risk? With 4WD’s, Trucks or Ag machines worth a great deal of money - who would you choose? A company that pioneered this technology with an entire hardware and software engineering team dedicated to developing it, which is backed by 17 years of experience, or a new, unproven product.



1) HARDWARE-CHIP TUNING:

This involves opening the sealed original ECU and exchanging the CPU chip and/or installing new software. **High degree of risk to your ECU, and your vehicle is out of service in the interim.**

ORIGINAL ECU Chip Flashing



- BREAKING OF THE ORIGINAL WARRANTY SEAL** WHEN OPENED
- SOLDERING** ON THE PCB BOARD
- HIGH RISK OF ECU DAMAGE.** A DAMAGED ECU CAN BE EXPENSIVE: UP TO \$3000 OR MORE
- WRONG PROGRAMMING** LEADS TO EXHAUST SMOKE PROBLEMS
- PERMANENT CHANGE** WITH NO POSSIBILITY TO RETURN TO STANDARD
- CHIP TUNING LEAVES A FOOTPRINT** ON THE ECU
- LOWER RESALE VALUE** AFTER CHIP TUNING
- ENGINE FAILURE:** WORST CASE SCENARIO



2) SOFTWARE-CHIP TUNING:

THIS IS SOMETIMES CALLED “FLASHING” or “FLASH TUNING” A simple altered software is installed into the ECU via the OBD port (On Board Diagnostics port).

ON BOARD DIAGNOSTICS Software-Tuning



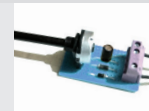
- OFTEN INCREASE OF TURBO BOOST** AND COMMON RAIL PRESSURE
- ERROR CODES ARE DEACTIVATED:** OUT OF SPECIFICATION CONDITIONS NOT RECOGNISED
- LIMITS OF THE SENSOR VALUES ARE INCREASED** MOST OF THE TIME
- THERE IS SELDOM BACKUP OF ORIGINAL STANDARD SOFTWARE**
- DURING SERVICE, A SOFTWARE UPDATE RESULTS IN LOSS OF “FLASH”**
- NO ACTUAL PRODUCT, JUST SOFTWARE**
- CANNOT BE MOVED TO ANOTHER VEHICLE**



3) RAIL PRESSURE ELECTRONIC:

SIMPLY CHANGES THE VALUE OF A SIGNAL PRODUCED BY A PRESSURE SENSOR. Primitive electronic that produces power increase by dangerous increases of rail pressure.

RAILPRESSURE Electronic



- INCREASE OF COMMON-RAIL-PRESSURE**
- HIGH LOAD ON THE INJECTORS** BECAUSE OF THE INCREASE OF PRESSURE
- EFFECTS ALL INJECTION POINTS;** PILOT, MAIN, & POST INJECTIONS
- CHEAP PARTS AND RARELY WATERPROOF**
- SIMPLE INSTALLATION** VIA WIRING LOOM, CAN BE MOVED TO A DIFFERENT VEHICLE
- INCREASED ENGINE NOISE** DUE TO GREATER UNCONTROLLED COMBUSTION



4) ADDITIONAL MODULE: THE HEALTHY OPTION

An additional electronic module, which works just like an ECU, which is parallelly integrated. This is the worldwide long established STEINBAUER system.

STEINBAUER PowerModule



- NO CHANGE** IN COMMON RAIL PRESSURE
- NO INTERFERENCE** WITH THE ORIGINAL ECU
- EASE OF INSTALLATION** WITH ORIGINAL AUTOMOBILE INDUSTRY STANDARD CONNECTORS
- SPECIFIC MAPPING FOR EVERY VEHICLE** FOR AUSTRALIAN FUEL & CONDITIONS
- AUTOMATIC CUT BACK PROGRAMMING** TO CONTROL COMBUSTION TEMPERATURES
- ROBUST CONSTRUCTION:** WATER PROOF, DUST PROOF, SHOCK PROOF
- QUALITY EUROPEAN ENGINEERING** WITH QUALITY COMPONENTS
- 3 YEAR WARRANTY** ON THE STEINBAUER ELECTRONIC MODULE*

Contact us for your nearest dealer Australia wide Freecall 1800 733 159

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