



TOOL TESTS



BulletPro Elite X6

REVIEWED BY ADAM WATKINS



There are many reasons fuel injectors become dirty or blocked and probably just as many fuel treatments that claim to clean them. Even petroleum companies are now running advertising campaigns on how their fuel cleans your engine 'in just two tanks'. Call me a doubting Thomas but unless you can see the results, how do you know if the treatment actually worked?

At the Northern Sydney Institute, we tested the BulletPro Elite X6 Fuel Injector

Cleaner, a machine that is user-friendly once you have deciphered the instruction manual.

This machine tests both top and side feed fuel injectors as well as having fittings for Mercedes Benz and Audi mechanical injectors. It accommodates up to six injectors and everything you need comes in the box including a handy kit of fittings and O-rings as well as both the test fluid and cleaning fluid.

Extra fluid can be purchased through Interequip as well as the BulletPro Elite X8 which accommodates up to eight injectors. Fuel injector testers for vehicles with direct petrol injection are also available through Interequip.

After setting up the machine we had a few test runs before checking some injectors on one of our recently donated vehicles – a VT Holden Commodore. After removal, the students fitted the injectors to the BulletPro Elite X6 and checked leak down, spray pattern and the flow rates of the injectors. On this machine it is quite easy, as once the injectors are fitted to the machine they don't have to be removed until cleaning.

The machine has an inbuilt pump that drains the inspection tubes after flow testing, so multiple tests can be carried out. The electronic controls include the pump pressure and multiple volume tests as well as an 'engine simulation test' that runs

the injectors from idle to approximately 7000rpm several times at the touch of a button. We were also able to check the resistance of the injectors through one of the functions on the LCD control panel.

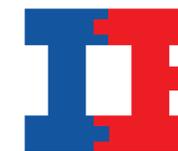
This machine includes a waveform pattern function to check the waveform pattern of the injectors for any irregularities. I quite liked that after every injector test procedure that involves pressurizing the injectors, the pressure is automatically released.

After testing the injectors, we gave them a turn in the Ultrasonic bath which fits into the tray on the side of the machine. These controls also run through the LCD screen with the user being able to adjust the run

time. Once completed we re-tested the injectors to ensure they were performing correctly before re-fitting them to the vehicle.

In the modern Automotive workshop the benefits of cleaning injectors this way is obvious and the results can be easily seen and any underperforming fuel injectors can be identified and replaced. Whilst in tank treatments may be a good way of preventing dirty and blocked injectors, using the BulletPro Elite X6 Fuel injector tester is definitely the cure, this along with an induction system clean is a good way of returning performance and fuel efficiency back to the customer's vehicle as well as lowering emissions.

As customers become more conscious of their vehicles fuel efficiency the BulletPro Elite X6 Fuel injector tester may be a good way to bring in some extra business as well as include induction system cleaning on customers vehicles.



For more information on the BulletPro Elite X6 Fuel injector tester contact Interequip on 1800 037 847 or 18000 EQUIP, visit interequip.com.au or send an email at info@interequip.com.au