ET6632 Universal Injector Test Kit

User Manual

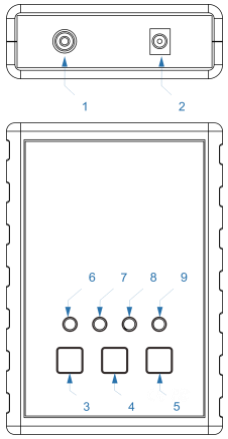
This test kit drives all kinds of petrol / diesel injectors, including PFI / FSI/ TFSI / GDI / Piezo etc. This tester is able to detect the type of injector automatically and works with a single button press.
The kit also includes common adapters for most Direct Injection injectors to fit in the fuel rails of traditional PFI injector testers, for testing the injectors' spray-ability.

● Specifications

Power supply: DC12V	Operating temperature: - 20 ~ 60°C
Current: 1 Amp	Humidity: <85%

● Packing List

01 Driverbox	01 Power Cord
01 AC/DC Adapter	01 Signal Output Cord
06 Fitting Adapters	01 Extension Cord



● Structure of the Driverbox

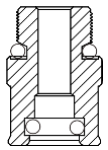
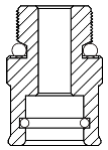
① Signal Output Port
② 12V Power Supply Introduction Port
③ Decrease Button
④ Increase Button
⑤ Start / Stop Button
⑥ Power Indicator LED
⑦ Coil type Injector Indicator LED
⑧ Piezo Injector Indicator LED
⑨ Output Signal Indicator

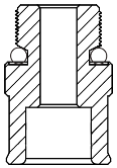
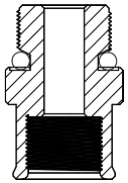
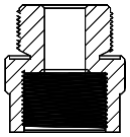
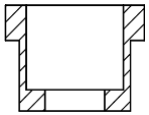
● Driverbox Operation Instructions

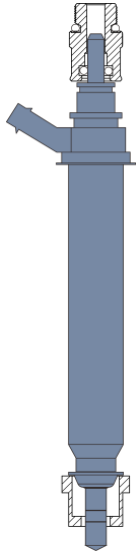
1. Apply 12V vehicle battery power supply or DC12V switch power supply to ② **12V Power Supply Introduction Port**, ⑥ **Power Indication LED** will be ON.
2. Plug the signal output cord into the ① **Signal Output Port**, and the other end to the injector. The Driverbox will automatically detect the type of injector (piezo or peak & hold) in a few seconds, and the light up the relevant LED accordingly. If the tester fails to detect the correct type of injector, check the connection or use a multimeter to test if the resistance of the injector is incorrect (faulty injector).
3. Press ⑤ **Start/Stop Button** and the Driverbox will start to output a signal, and the injector will trigger a 'click' sound (if not, the injector is faulty). The initial interval is 1Hz.
4. Press ④ **Increase Button**, to increase the speed from 1Hz to 3 / 5 / 10 / 20Hz, and press ③ **Decrease Button** to slow it down.
5. Press ⑤ **Start/Stop Button** again to stop the signal output.

● Adapters

There are 6 adaptors supplied to fit different injectors to a fuel rail of a traditional PFI gasoline injector tester.

Shape	Specification	Usage
	Φ6 to G1/4	Fitting for the fuel introduction port of Bosch Piezo injector, eg. the injector in some Mercedes-Benz engines.
	Φ11.5 with O-ring to G1/4	Fitting for round-shaped injectors like those used on BMW B38 / 48.

	Φ11.5 to G1/4	Fitting for VW or other injectors with an O-ring.
	M12x1.5 to G1/4	Fitting for injectors with an M12 fuel introduction port like BMW or others.
	G1/4 to M12x1.75	For converting G1/4 thread to M12x1.75, which is a common thread used on many PFI injector testers.
	Φ16 to Φ8.5	Fitting for smaller type of injectors which might not be big enough to fit into the rack on the top of the injector tester.



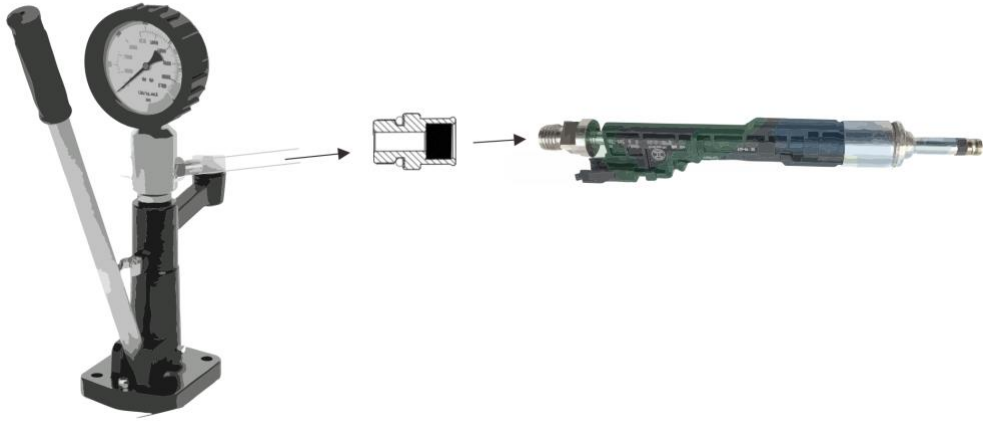
* Fittings for some other types of injectors may be found within the standard PFI injector tester's accessories.

- **Using these adaptors on a regular bench style injector tester**

Use the piezo injector table on the left for reference,

1. Apply the Φ6 to G1/4 adapter on the fuel introduction port.
2. Apply the Φ16toΦ8.5 adapter at the bottom part of the injector and mount it onto the fuel rail of PFI injector tester then lock it securely.
3. Run the Leakage Test function on the PFI injector tester.
4. Connect the Driverbox and test the spray-ability of the injector.

- **Using these adaptors on a high pressure diesel pump**



A hand pump (refer ET1603)could be used as pressure source for test the injectors, **diesel is recommended to test all injectors including gasoline.**
Only injectors with a thread fitting can be tested with the hand pump.

1. Pressure up the hand pump to desired pressure, and check the sealing of the nozzle.
2. Connect the Driverbox and test the spray-ability of the injector.

- **Warranty**

3. This Driverbox is provided with a 12 month warranty.
4. Any damage to the device caused by misuse, or improper operation, is not covered by warranty.
5. Please contact your distributor in the first instance, or contact Endeavour Tools (support@endeavourtools.com.au) for further assistance.