



31487900 Operator Instructions

Use and operation of new 31487900, an inline additive 'T' assembly tool for use with the 53403500 Fortron Injector-Max machine.

Application:

The 31487900 is designed to connect or 'T' in between the vehicles own fuel delivery lines and allows the Injector-Max machines 'Red' fluid output hose to connect on so that RTG additive can be administered into tricky engines where regular connection of the Injector-Max machine does not allow an engine to run.

Examples of use:

The vehicle is not able to run with any part of its host fuel system disconnected as would normally be the case when using the Injector-Max system; few vehicles have this scenario in place - but this tool allows for a connection that allows RTG fluid to be added into the main fuel supply; and this is usually close to the engine.

The tool can be used on both Petrol & Diesel fuel systems, only the 'Red' fluid output supply hose is used for this process. It is very important to measure the pressure of fuel being sent into the engine (and therefore also the tool), the Injector-Max output pressure setting should be set 10-20% higher than this setting – this is critical – so that the RTG additive is always above that of the main fuel system; this ensures that no main system fuel enters the Injector-Max machine and that RTG fluid can be injected into the host vehicle system.

Example pressure settings: Vehicle fuel delivery = 30Psi & Injector-Max set at to 35Psi.

This process allows for gradual introduction of RTG into engines that otherwise cannot benefit from the regular connection procedure – example there may be flow or pressure sensors connected that prevent the engine running when the closed loop system is open.

Locate the fuel supply delivery hose/line to the engine, disconnect this and using suitable adaptors from the Injector-Max kit - connect the 31487900 adaptor between the engine and the 31487900. With the pressures measured and set, connect the Injector-Max output pipe onto the adaptor as shown below; then close the supply tap on the 31487900 adaptor T and also the flow control on the Injector-Max machine. Start the engine and allow the vehicle to settle and run at tickover.

Turn the flow control valve and the supply tap on the 31487900 to gradually meter or add in RTG fluid with the regular fuel flowing into the engine; do not fully open the taps as this will push the RTG fluid in too quickly and the effect/benefit of the fluid will be reduced. On average this process should take 10+ minutes to use up a container of RTG fluid for best effect. Once complete, switch off the engine, remove all components and return the vehicle to its original fuel layout/configuration.



Image showing the flow of fuel and RTG through the 31487900 valve

