About this Manual

Disclaimer

This manual is intended to serve as an overall guide to perform the procedure outlined within. Diesel Toyz LLC accepts no liability for content or procedures described. All services should be performed by an experienced technician. You may not modify, copy, publish, transmit, display, distribute, or sell any information from this document without the expressed written consent of Diesel Toyz LLC.

Always wear safety goggles!
**Tools required:**

- 3/8 socket wrench
- 3/8 impact wrench
- 10mm socket
- 12mm socket
- 17mm line wrench
- 10mm wobble socket
- Small screwdriver or O-ring pick

**Models covered:**

- KUN26 Hilux
This guide begins with the engine cover and intercooler assembly removed.

Note: be sure to remove electrical plugs (x2), and vacuum line from MAP sensor when removing intercooler assembly.
Unplug all four injector electrical plugs and remove the loom bracket bolts (x2) 10mm.
Unplug connectors from the a/c clutch, MAF, etc. and fold the entire injector harness back and away from the work area.
Using a 17mm line wrench, loosen all four injector lines.

Note: fuel will NOT spray out at this time but will dribble out into the cylinder head assembly so towels etc. will be required.
pinch here and pull
Remove injector line cushions (10mm)

Dont forget these two down here!
Using a heavy O-ring pick or small flat-blade screwdriver, pry injector boots off and remove from the work area.
Using a 10mm wobble socket, remove the two rear-most valve cover bolts then proceed to remove remaining bolts from the valve cover.

*Note: When removing the valve cover, hold the injector lines away from the valve cover and pull vertically up (starting with the rear then moving forward) on the valve cover assembly. The focus is freeing the injector’s electrical connectors first, then moving the valve cover assembly off.*

*Extreme care must be taken to avoid damaging the electrical connectors on top of the injectors.*
Once the valve cover assembly has been removed, take a paper towel etc. and clean any residual diesel and engine oil from the valve cover gasket mating surfaces.
Using a 17mm line wrench, remove all four return line banjo bolts and washers.

Note: store them paired together.
Using a 12mm socket, remove injector bracket
Remove the injector and copper washer
Once the injectors have been removed, installation is the reverse of removal.

- Install new copper washers into each cylinder
- Install injectors into the cylinder head

Note: To orient the injectors, hand-tighten return line banjo fittings. Once all return lines have been installed, tighten injector holding brackets then go back and tighten all return line banjo fittings.
Once all injectors have been installed, install the valve cover assembly and tighten all 10mm bolts.

- Install injector boots into their holes, then hand-tighten all injector lines to their injectors.
- Tighten all injector lines.
- Install injector line clamps.
- Install PCV hose.
- Install injector wiring harness and secure with (2) 10mm bolts.
- Install intercooler assembly and electrical plugs and vacuum line.
- Tighten intercooler band clamps and install engine cover.

Note: Toyota injectors must be calibrated to the ECU using the Toyota ITII or Techstream software. The calibration codes are located on top of each injector.

Note: At this point, the fuel system will need to be primed before it will start. Simply pump the fuel filter assembly's primer pump until pressure is achieved. Engine should start within a few cranks.