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## **AXT 1HZ Landcruiser 4.2L Diesel Intercooler System** **Gains of up to 15-20%**

To Compliment the AXT Turbo system, AXT has re-invented our Intercooling systems, providing substantial increases in power, efficiency and reliability.

The “heart” of the AXT Intercooler system for the 1HZ is the Water/Air Intercooler Barrel.

The “Barrel” is up to 60% more efficient than equivalent sized Air/Air Intercooling solutions and does not require the vast amount of extra piping that you would find with the “traditional” air/air front mounted designs.

The immediate benefit is a cooler, denser intake charge, providing cooler combustion temperatures, hence providing more power and efficiency.

The secondary benefits of the AXT design are:

- No increase in ducting length, so “turbo-lag” is not introduced.
- Reduced “under-bonnet” space constraints and compact sizing ensures no interference with other accessories.
- All alloy TIG Welded construction for extreme durability

The AXT Intercooler system runs as a completely separate “accessory”, with its’ own independent alloy radiator, thermo fan and high capacity electric coolant pump.

The wiring system has been designed to be set-up as a stand-alone system, with the only connections outside of the intercooler system to sense Ignition “On” and direct to the battery. The loom includes its’ own Fuses, Relays and a Hobbs Pressure Switch, to activate the thermo fan “on boost”, as it is needed. This reduces un-necessary load on the alternator and ensures extremely long life from the system.

The Bosch Electric Coolant Pump is designed for years of constant operation, even under the worst of conditions. So for this application, the pump is an “over-kill”, but we know that the reliability of the pump will keep a consistent coolant flow for years.

