

EGR Issue's – Turbo Diesel Engines



70 Series Manifold 90,000km



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What causes this?

With Turbo Diesel Engines, an oil mist from the engine crankcase enters into the intake manifold and combines with the heated contaminated gases of the Exhaust Gas Recirculation (EGR) at 300-400 degrees Celsius. It creates a carbon build-up in the intake ports and manifold. This carbon build-up, over a relatively short period, restricts the volume of air that would normally be allowed to flow through the manifold into the combustion chamber – refer to manifold & egr pictures.

The less flow, the less performance – prevention is the key to avoid the following systematic problems

Is your vehicle suffering from any of the symptoms listed below?

- Blocked intake ports
- Blocked EGR valves
- Poor fuel consumption & loss of Power
- Black smoke
- Loss of intercooler efficiency
- Pershing of Turbo Hose

How can I prevent this from happening?

- Fit Billet Catch Can
- Fitting EGR Plate (we do not sell these)

Not rectifying this issue can result in very costly and major damage to your vehicle components and may result in engine detonation.



Triton Manifold 150,000km



Triton EGR 150,000km



200 Series Manifold



3L Patrol EGR 120,000km



3L Ranger/BT50 Manifold – 250,000km



100 Series EGR



3L Patrol Intercooler



3L Ranger/BT50 Head– 250,000km

Billet Catch Can

Solution

TaipanXP Billet Catch Can collects the oil mist and condenses the fuel vapours while allowing "cleaner" gases to be passed back into the intake. Since the Billet Catch Can condenses the vapour portion of the gasses, they will need to be drained periodically of all the oil, fuel and other contaminants.

The **TaipanXP** Billet Catch Can meets current emission requirements and will not affect engine warranty. The Billet Catch Can is fitted between the engine breather and the air intake. No drilling or extensive modification to the vehicle is required as we use the existing factory holes on the vehicle.

TaipanXP's Billet Catch Can is available for the following vehicle models in DIY kit form. Each kit comes with detailed fitting instructions and depending on the vehicle model will also come with bracket, joiner, hoses, clamps, nuts, bolts, washers, cable ties, drain kit & drain kit bracket. On certain Billet Cans you will also need Loctite to ensure your bolt stays in place.

Fitment locations vary due to vehicle for specific information please see below:

Under bonnet

- Holden RC Rodeo/Colorado 3.0L CRD
- Isuzu D-MAX 3.0L CRD
- 2.2L PX Ranger
- 3.2L PX Ranger/BT50
- Mitsubishi MN Triton & Challenger 2.5L
- Mitsubishi MQ Triton 2.4L
- Nissan Navara D40 2.5L
- Toyota Landcruiser 100 Series 4.2L
- Toyota Landcruiser 79 Series 4.2L
- Toyota Prado 150 Series 1KD-FTV
- Toyota Prado 120 Series 1KZ-TE
- Toyota Hilux 3.0L 1KZ-TE
- Toyota Hilux 3.0L CRD 1KD-FTV
- Toyota Hilux 2.8L CRD

Chassis Mount

- Isuzu D-MAX 2012-2016
- Nissan GU Patrol 3.0L ZD30 & CRD
- Nissan GU Patrol 4.2L TD42
- Nissan Navara D22 3.0 & 2.5L
- Toyota Landcruiser 70/76/78/79 Series 4.5L V8

Under bonnet or Bullbar Mount Available

- Toyota Landcruiser 200 Series 4.5L V8 1VD-FTV Bullbar Mount
- Toyota Landcruiser 200 Series 4.5L V8 1VD-FTV Underbonnet
- Both 200 Series Cans also suit Facelift Models



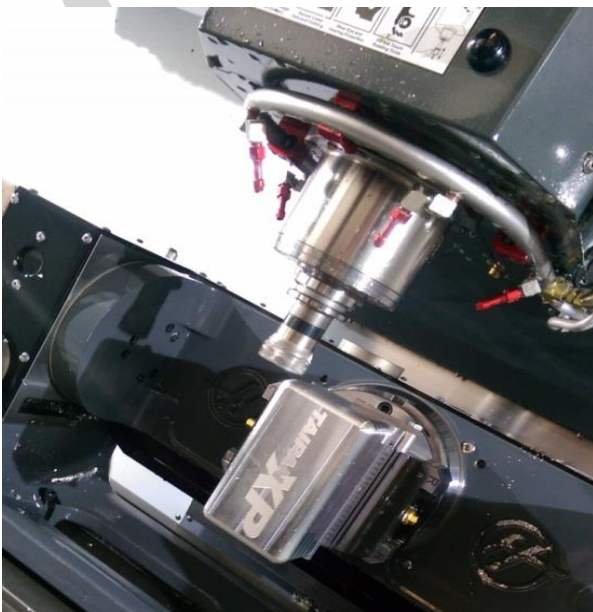
TaipanXP Difference Billet Catch Cans

We often get asked what sets our product apart from our competitors, please read:

- Our competitors (in the main) will offer you a cheaper product; however we have found that some of these Catch Cans don't even have a filter element, let alone baffle's . We use a Stainless Steel filter element in the catch can to ensure that oil mist that comes from the engine crankcase is captured before entering the air intake which helps to prevent EGR build up in the intake manifold.
- We only sell vehicle specific kits, each kit comes with detailed fitting instructions and depending on the vehicle model will also come with bracket, joiner, hoses, clamps, nuts, bolts, washers, cable ties, drain kit & drain kit bracket. *if required*. The only item that is not supplied is **Loctite (for underbonnet mount)**. Please note you may already have aftermarket accessories in place where we fit our Billet Can, please contact us before purchase for vehicle specific fitment information. We do not offer Universal Kits. The reason why we do this is below:
 - All kits come with correct barb & hose sizes to suit the fittings on your vehicle – 1/2", 5/8", 7/8" & 1". Please note it is extremely important that the standard fittings and the fittings/hose that is supplied with an aftermarket Catch Can are the same size.
 - Some competitor's kits have mismatched hose/barb sizes, due to the size difference this can lead to increased crankcase pressures, blowing seals and premature engine wear.
- Our Billet Catch Can will accommodate 350ml of oil, which is ideal for customers, as it has enough capacity so you should only have to check it at 10,000km and are able to line it up with you service intervals, making it easier to remember. We do recommend for older vehicles to check more regularly.
- **All our Billet Catch Cans come with a 10 year warranty – this item is a serviceable product and every 40,000km the filter and O-ring must be changed and can be purchased off TaipanXP for \$10.00 + Freight.**

CNC Machining

Our Billet Catch Cans are produced in S.E QLD on a state of the art 5 axis CNC machine.



Additional Points

- 100% locally designed and built
- Quality heat and oil resistant hoses
- Aluminium Cut & Folded Brackets
- 100% DIY Clean
- Built for durability on corrugated roads
- No drilling or modification to the vehicle is required as we use the existing factory holes on the vehicle.
- 10 year warranty.
- Constantly Expanding Range over 20 different makes/model kits available