

**HYBRID DEVELOPMENT INTERNATIONAL
RACING INTERCOOLER KIT
INSTALLATION MENU**



Ford Falcon BA XR6 TURBO



Special Edition X1 Intercooler Kit

Please read before continue

Please read through all the instruction and practice all precaution in all aspect of safety and every step prior and during the installation. This installation menu is purely for **HYBRID DEVELOPMENT INTERNATIONAL**

RACING INTERCOOLER KIT

and is used as guide only. As different vehicles in different countries may have different specifications and component layout. Therefore, it is important to make sure the connection is properly done by authorized personals or dealers.

Warning

- Check and clean all open area for foreign object inside.
- Installation should only be carried out by authorized dealer or agent only.
- Avoiding water, liquid or fluid during and post installation.
- Do not install the unit in a place that will interface the driver.
- This product is off road only not for public road.
- Never adjust the fitment when the car is moving or on public road ,doing so is dangerous to yourselves and others
- Make sure there is adequate ventilation if you are installing or setting it in door.

LIMITED WARRANTY




Hybrid Development International P/L will warranty for the period of 1 year from original purchase against all defects in workmanship and materials. Hybrid Development International P/L is not responsible for expenses incurred for labor, personal injury or inconvenience. Hybrid Development International P/L sole responsibility is to offer a replacement product or to repair the damaged product. Hybrid Development International P/L cannot warranty products damaged by improper installation. All other products sold by Hybrid Development International P/L are warranted by the original manufactures and is not the responsibility of Hybrid Development International P/L.






All products are for racing use only.


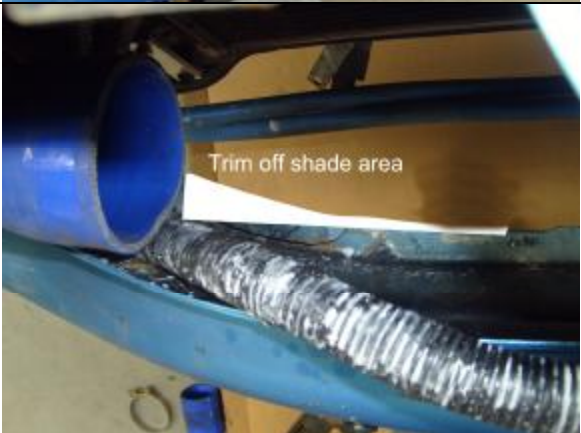


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Pictures are for illustration purposes only and to be used as a guide.

	<p>Remove the plastic splash guard from under the car front bumper bar. From underneath the car, disconnect the factory fog lights in the bumper bar then remove the bolts and clips from inside the wheel arches and underneath the front bumper bar.</p>
	<p>Remove the plastic air duct from air box (permanently removed), front grille and radiator plastic shroud.</p>
	<p>Now remove the front bumper bar by releasing the mounting clips in a sideways motion on both sides.</p>
<p>Using a Heavy duty Car Jack, lift the car and place it on Jack Stands.</p>	
	<p>Remove the white plastic impact bar from the support bar.</p>

	<p>Remove standard intercooler and intercooler top pipe</p>
	<p>Remove front factory intercooler pipe from engine cross over manifold</p>
	<p>Install the supplied HDi boost adaptor between the factory cast pipe under the battery Or remove the cast pipe and mount directly to the car. Fasten the factory pressure sensor.</p> <div data-bbox="841 1129 1320 1627">   </div>

		<p>Trim back the bumper support bar on the passenger side as per the shaded area</p>
		<p>Trim back the bumper support bar on the drivers side as per the shaded area</p>
		<p>Remove the lower power steering cooler from the radiator support bar</p>
		<p>Lower Intercooler Bracket Assembly Mount the brackets in this order to the radiator reinforcement:</p> <ol style="list-style-type: none"> 1. Lower intercooler bracket 2. HDi Spacer 3. Power steering cooler 4. Fasten to the reinforcement bar.



Carefully install the HDi intercooler behind the bumper support bar. (We recommend that you place cardboard over the intercooler tank ends while making adjustments to lessen chances of damage). Check for Intercooler clearance. Fasten the HDi Intercooler with the 8mm bolts to the lower intercooler brackets.



Using the L Shaped top brackets, mark a point to fasten the top brackets on both side of the bumper support. Make sure the cooler is clear of the support bar to avoid abrasion. Drill an 8mm hole to later fasten the top bracket and 8mm nut and bolt.



Fasten the L Shaped top brackets to the vehicle and the intercooler. Check intercooler alignment and fasten all brackets securely.





Beware of foreign objects falling into the intercooler piping during installation

Install the HDi silicon hose 2.5 – 2.4" reducer to the cold pipe cross over with the supplied HDi Super clamp. Fasten tightly.

Install an HDi Clamp to the silicon hose then install the top driver's side intercooler pipe. Do not fasten tightly to allow for adjustments.



Remove the power steering bottle plastic shroud if there is no clearance (May vary depending on the model)



Connect the supplied HDi silicon vacuum hose between the top intercooler pipe and the HDi boost adaptor/boost sensor near the battery. Cable tie if required.





Install top passenger side pipe using the supplied HDi silicon hose and HDi Clamps. (Connect this pipe using the longer straight section to the top pipe) Do not fasten tightly to make adjustments



Gently by hand, bend towards the passenger side chassis rail the air conditioner pipe enough to clear the intercooler pipe. (may vary dependent on model)



Install bottom passenger side intercooler pipe with HDi silicon hose and HDi Clamps. You may need to trim the side of the radiator fan plastic cover for pipe clearance for the bottom intercooler pipe (May vary depending on the model)



Install supplied support bracket to the lower intercooler pipe. Fastening to the existing nut on the washer bottle support
Support Bracket Assembly

1. U shaped bracket
2. Standard clamp
3. Clamp mounting and nut



Join the lower passenger side intercooler pipe with supplied HDi silicon hose and HDi Clamps



If your Falcon model has a joiner between two rubber pipes (from the drivers side hot pipe), remove the joiner and install the lower drivers side intercooler pipe to the rubber hose using the HDi Clamps .

Note: Depending on your model Falcon, if you are supplied with a one piece rubber hot pipe, it will need to be cut so too join the lower driver's side intercooler pipe to the rubber hose with the HDi Clamps and fasten.



Check all pipes and fasteners for proper clearance, especially around the air conditioner compressor belt. Then tighten all HDi Clamps.



Re install the white plastic impact bar.

Now re-install the front bumper bar and connect the fog lights from underneath the bumper bar.

Re install the splash guard under the bumper bar

Finally, re insert the front grille and radiator plastic shroud.

Ready for test drive...feel the power

Note:

Due to the high flow and low pressure drop characteristic of the HDi intercoolers – the turbo efficiency may increase and the factory boost limiter maybe reached. If this is experienced, please consult an HDi Technical Dealer.