

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



**SUBARU LEGACY B4 BL5  
SUBARU LIBERTY GT BL5**



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

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	<ol style="list-style-type: none"> <li>1. Remove clips from the engine cover.</li> <li>2. Remove clips from the battery cover.</li> <li>3. Disconnect the negative battery terminal.</li> </ol>
	<p>Unscrew turbo flange bolts</p>
	<ol style="list-style-type: none"> <li>1. Unscrew the intercooler bolts.</li> <li>2. Detach the vacuum and the blow off valve blow back hose (Block it )</li> <li>3. Loosen the hose clamp between intercooler and the throttle.</li> <li>4. Unscrew the 2 intercooler fastening bolt</li> </ol>
	<p>Remove the top mount intercooler from the vehicle.</p>



**View of the standard intercooler now removed.**  
**1. Disconnect the wiring terminal.**  
**2. Unscrew the terminal bracket holder.**



**Unclip all the side fastening screws & remove from each side of bumper bar.**



**Remove the 4 grill clips and the 4 press clips**



**Remove the 7 bumper bar clips from underneath in readiness to remove the bumper bar**



Carefully remove the air flow sensor from Standard air box



Carefully Re install the air flow sensor with the O ring as circled.





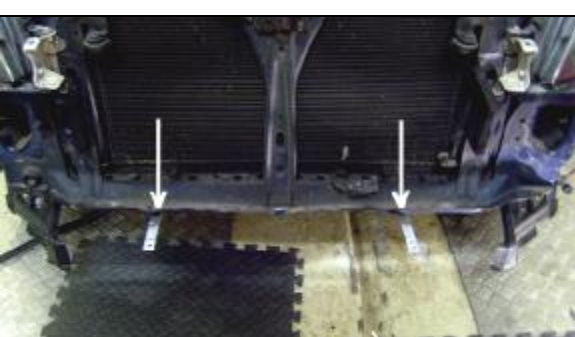
\* Please make sure of the air flow direction and be careful when handling the Air flow sensor adaptor.



1. Install the air flow sensor adaptor with a 2.75- 3 inch silicon hose.
2. Install the 90 degree cold air intake pipe
3. Install the bracket and the piping holder supplied.
4. Install the air filter. (not supplied)



Remove the bumper bar then remove the foam protection bar.

	<p><b>Remove the 8 front reinforcement bar bolts and remove the front reinforcement aluminum bar.</b></p>
	<ol style="list-style-type: none"> <li><b>1. Unclip the 6 clips.</b></li> <li><b>2. Unplug and Remove the lower plastic lip.</b></li> </ol>
	<ol style="list-style-type: none"> <li><b>1. Remove the 3 bolts,</b></li> <li><b>2. Unclip and Remove the bottom bumper fasteners.</b></li> </ol>
	<p><b>Unclip and Release the inner guard.</b></p>
	<p><b>Install the supplied 3 hole brackets to mount the intercooler</b></p>



**Install HDi Intercooler to the lower brackets and Unscrew the air conditioning bracket holder screws.**



**Install the top intercooler bracket with the spacer as shown. Make sure the intercooler is on right position then tighten the all brackets.**



**Cut the edge on both sides of the vehicle as shown for pipe clearance.**



**Unclips & Remove ABS system cover**



**Carefully remove the O ring from the standard Turbo Pipe.**







**Carefully re-install the O ring to HDi hot pipe.**




**Install the HDi hot pipe and fasten the bolts.**



**Install the lower pipe with a 2.5 inch silicon hose and 2 x HDi clamps. (Do not tighten)**

	<p><b>Install the lower intercooler pipe and connect to the HDi intercooler with Silicon hose and HDi clamps. (Do not tighten)</b></p>
	<ol style="list-style-type: none"> <li><b>1. Loosen the clamps between the manifold pipes and remove the plastic join.</b></li> <li><b>2. Install the manifold pipe with a 2.5-2.75 silicon hose from throttle body, and tighten the clamp on the throttle side only. Do not tighten the pipe side.</b></li> </ol>
	<p><b>Install the cold air intercooler pipe as shown. (Do not tighten)</b></p>
	<p><b>Connect the intercooler pipe with HDi intercooler and make sure the position then tighten all the HDi clamps.</b></p> <p><b>Check all pipes clearance and adjust as necessary then tighten all HDi clamps and mountings.</b></p> <p><b>Recheck all work.</b></p>

	<p><b>Trim the bumper bar estimating the area requiring cutting. Trim area may vary on various models</b></p>
	<p><b>After put the bumper bar back and confirm every position are fitted, Gill a hole as shown and use sticky tie to tide the bumper.</b></p>
	<p><b>Finished view of Installed HDi intercooler kit.</b></p>