HYBRID DEVELOPMENT INTERNATIONAL RACING INTERCOOLER KIT INSTALLATION MENU



Subaru Forester SF5 Intercooler Kit



X1 SPECIAL EDITION

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# 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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| Using a Heavy duty Car Jack, lift the<br>car and place it on Jack Stands or<br>place the vehicle on a workshop<br>hoist. |
|--|
| Remove the plastic splash guard<br>from under the car front bumper<br>bar.   |
| Remove the front grille and plastic<br>moldings from under the headlights on<br>Both sides.                              |
| Remove the factory Fog lights from the bumper bar by unscrewing fittings.  |





Cut the metal reinforcement bracket (on both sides) in a 'U' shape 75mm high and 20 mm deep. This is for Intercooler pipe clearance.

Left Side

**Right Side** 

Drill two 8 mm holes, measuring 180mm from the centre of the support bar, on either side. This is to mount the intercooler.

MOUNTING INTERCOOLER At the metal support bar, using the supplied 15 mm HDi spacers, mount them in between the intercooler and support bar and fasten with the 2 x 25 mm M8 screws from the top.





In the position of were the wiring harness hole is located, gently bend the lip towards the chassis rail for pipe clearance.

On the Driver's side, remove the wiring harness clip from under the headlight. Drill a 75mm hole 20mm higher than the existing hole and reconnect the wiring harness clip.







Install a 2.0" HDi silicon hose to the Turbo and fasten with the supplied standard clamps. <u>Fasten tightly</u>.

Install the HDi Intercooler hot pipe to the 2.0" HDi silicon hose and fasten with a HDi clamp

Install 2 x HDi Super Clamp to a 2.5" HDi silicon hose then install the lower passenger side under engine intercooler pipe.

Do NOT fasten tightly to make adjustments



Install 2 x HDi Super Clamp to a 2.5" HDi silicon hose then install the lower passenger side intercooler pipe.

Do not fasten tightly to make adjustments





Install top driver's side intercooler pipe using the supplied 2.75" reducer HDi silicon hose and HDi Super Clamps. Fasten tightly

Install the inner fender intercooler pipe with HDi silicon hose and HDi Super Clamps. The pipe goes through the hole closest to the suspension tower.

Do not fasten tightly to make adjustments

Check piping clearance to inner guard



Join the lower driver's side intercooler pipe with supplied HDi silicon hose and HDi Super Clamps to the HDi X1 intercooler

Check all piping for clearance and fasten HDi Super Clamps

IMPORTANT: Check all pipes and fasteners for proper clearance, than tighten all HDi Super Clamps and mounting brackets



please consult an HDi Technical Dealer.