

# INSTALLATION INSTRUCTIONS

## TGV DELETES





2015+ SUBARU WRX (FA20F ENGINE)

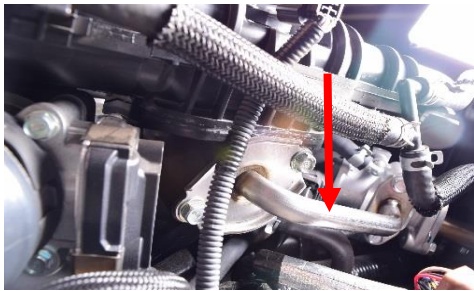
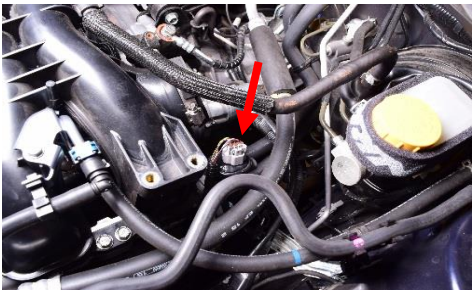

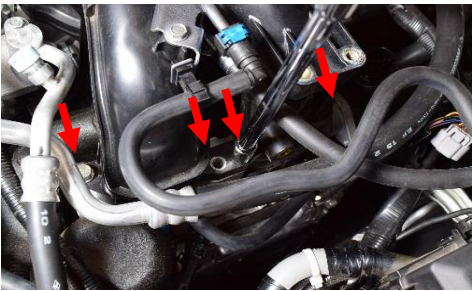


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**WARNING:** Removing the tumble generator valves will result in a check engine light.

This modification should only be done to vehicles intended for off-highway use.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	10mm socket	Remove the engine cover and disconnect the negative battery cable.	
2	Pliers	On the left side of the engine, unclip the wiring harness from the metal cover near the #2 cylinder runner, shown in the center of the picture.	
3	12mm socket	Remove the two bolts holding the metal cover protecting the direct injection fuel pump and remove the cover.	
4	12mm socket	Remove the intercooler and LH intercooler mounting bracket.	

5	12mm socket	On the back side of the intake manifold, remove the EGR tube. Four M8 bolts must be removed. Do not lose the gasket that is under the smaller flanger.	
6		Unplug the TGV electrical connectors on the back of each TGV housing.	
7	12mm socket	Disconnect the negative battery cable from the engine block, back near the brake slave cylinder.  This will allow extra clearance for removing the left hand side TGV unit.	
8	12mm socket	Remove the four bolts on each side of the intake manifold holding the intake manifold runners to the TGV housings.	
9		Pull up slightly on the intake manifold and slide out the TGV units on each side of the engine.	
10		After the OEM TGV units are removed, label them LH and RH for future reference.  Orient the TGV delete spacers as shown to understand how they will be installed into the vehicle.	

11	12mm socket	Slide the TGV deletes into place and make sure they are lined up correctly with the postioning tabs on the intake manifold.	
		Reinstall the four bolts on each side and tighten.	
12		Reinstall the EGR tube, and connect the battery cable near the clutch slave cylinder.	
		Reinstall the intercooler bracket and intercooler.	
		Reinstall the metal cover for the direct injection fuel pump.	
		Connect battery cable and reinstall the engine cover.	
		Installation is complete.	