#### URUTU X-PIPE RESONATOR BY-PASS (MASERATI GRANTURISMO / QUATTROPORTE 2008 >)



**INSTALLATION INSTRUCTIONS** 

### **Required Tools:**

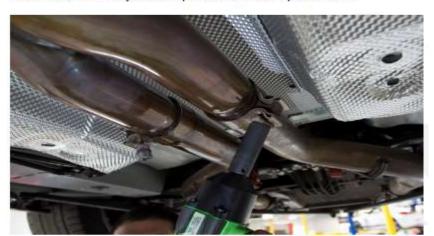
- Commercial Lift (or Hydraulic Floor Jack & Stands)
- Socket Driver or Impact Wrench (recommended factory torque is 59Nm)
- Swiveling Socket Adaptor
- 10mm, 13mm, 15mm, & 18mm Sockets
- 4mm Allen/Hex Wrench
- Liquid Wrench / Penetrant Spray (Optional)
- Rubber Mallet (Optional)
- Small Flashlight (Optional)
- 1. Raise car and remove under panel by removing (26) 13mm bolts, (18) 10mm bolts, (2) 18mm bolts, & (1) 4mm hex screw



2. Spray penetrant solution on any exhaust joints that may need it and allow to soak for 10-15 min.



3. Loosen rear exhaust joint clamps aft of the factory resonator.



4. Loosen front exhaust joint clamps in front of the factory resonator.



5. Separate exhaust sections at the rear joint. (NOTE: A rubber mallet may be needed to tap the sections apart)



6. Separate the front joint of the resonator section and remove the factory resonator.



## 7. Slip URUTU X-Pipe over the front factory tubing.



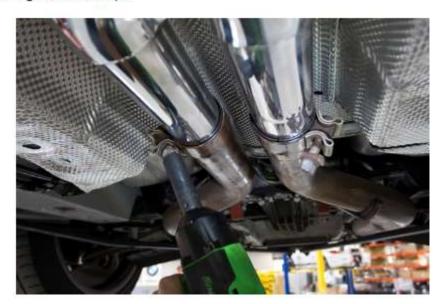
8. Align and slip URUTU X-Pipe onto rear factory tubing.



### 9. Tighten front clamps.



# 10. Tighten rear clamps.



END