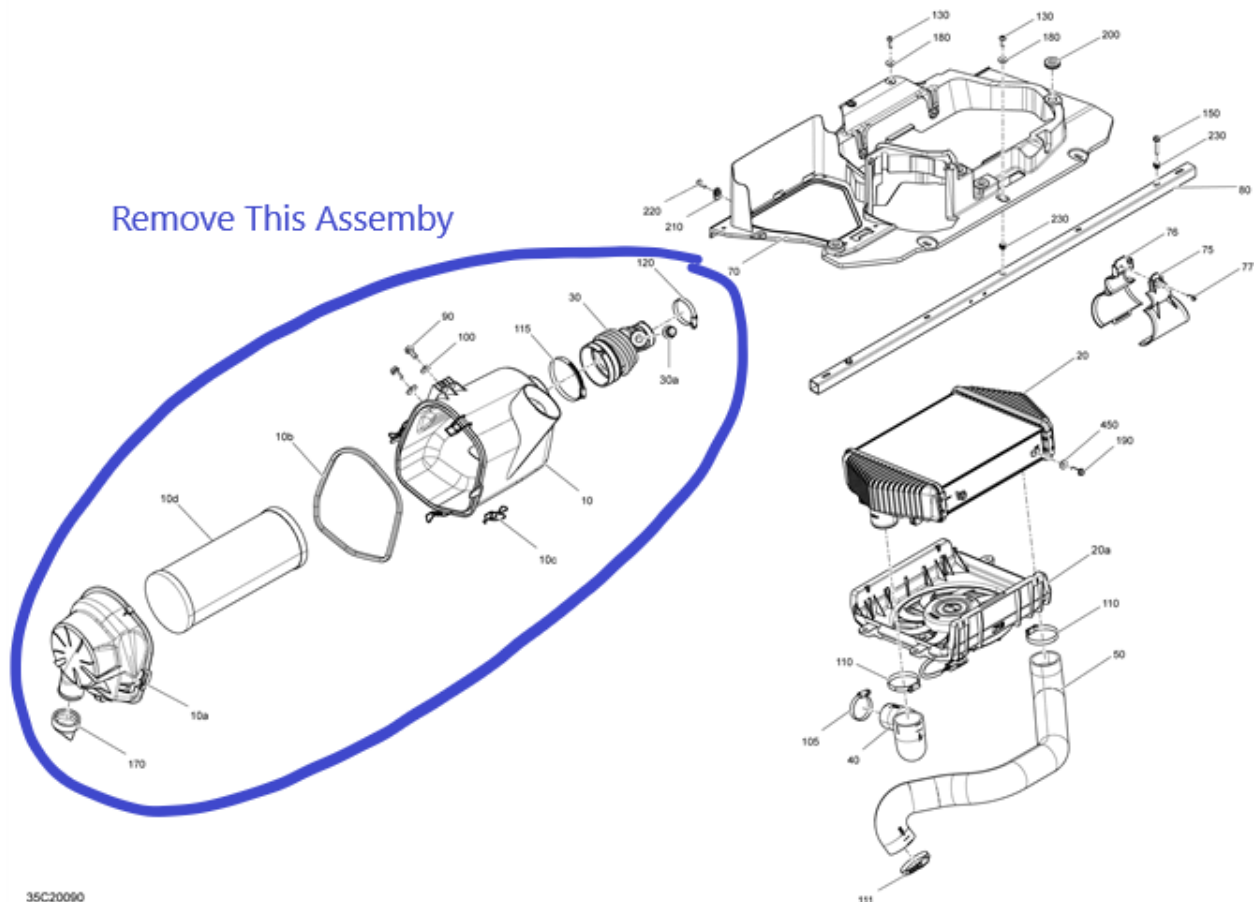




*****WARNING-** proper tools are essential. Failure to use the proper tool, or the use of other tools/devices not specifically designed for the task will most likely result in damage to person or property. This job should only be done by qualified service personnel with the proper tools for the job. Make sure to consult your dealer service manual. **DO NOT** attempt to perform these or any other maintenance tasks if you are not qualified, as serious personal injury could result. KWI will not be responsible for injury or damage as a result of improper practices or assembly/disassembly by untrained personnel. We have Instructional videos at <https://www.kwiclutching.com/videos>

- 1. PLEASE KNOW THAT YOU ARE PRESSURIZING A SYSTEM TO CHECK FOR LEAKS AND THERE IS ALWAYS A RISK OF PARTS FAILURE AND EXPLOSION. ALWAYS STAND CLEAR OF THE VEHICLE WHILE THE INTAKE IS PRESSURIZED OR INJURY MAY OCCUR. THE LEAK TESTER IS TO BE USED BY TRAINED AND QUALIFIED PERSONNEL AT YOUR OWN RISK AND BY USING THE LEAK TESTER YOU ARE ASSUMING ALL RESPONSIBILITY FOR DAMAGE AND INJURY. KWI IS NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY AS A RESULT OF PARTS FAILURE AND/OR USING THE LEAK TESTER**
- 2. **PRIOR TO STARTING ANY WORK** ENSURE YOU REMOVE THE KEY FROM THE IGNITION AND/OR DISCONNECT BATTERY TO DISABLE THE STARTING SYSTEM AND ECU.**
3. Gain Access to the turbo inlet by removing the air filter housing cover and turbo inlet boot as shown below. (2020 X3 RR model shown but you get the idea)



35C20090



Can AM X3 Boost Leak Tester instructions.

4. Remove the clutch cover to access the primary clutch. (to rotate the motor and close all the valves if needed in step 9)
5. Install the KWI boost leak tester on to the turbo intake as shown below. Tighten the clamp.





Can AM X3 Boost Leak Tester instructions.

6. Prepare some soapy water in a spray bottle to spray on components and look for bubbles that indicate leaks.
7. ALWAYS START AT LOW PRESSURE LEVELS ABOUT 10PSI AND USE MORE AS REQUIRED. DO NOT PREESURIZE MORE THAN YOUR TARGET BOOST LEVEL (TYPICALLY NO MORE THAN 25 PSI)
8. Use shop or other compressed air with the regulator at the air compressor set at no more than 25PSI (so you don't accidentally over-pressurize the intake, this is enough pressure to find any leaks) and apply 10psi of air pressure as indicated on the leak tester pressure gauge. If the air pressure is going thru the motor then slowly rotate the engine by slowly and carefully turning the primary clutch CCW to close the valves on the motor. You will know all the valves are closed when the air pressure applied to the leak tester will hold.





Can AM X3 Boost Leak Tester instructions.

9. Listen for leaks and monitor the pressure gauge on the leak tester. A properly sealed and leak free intake system should hold the same air pressure for at least 10 minutes without leaking down. To further find very small leaks spray soapy water and look for bubbles forming.
10. A properly sealed intake system will hold pressure and not leak down.
11. When you are done remove the leak tester from the turbo inlet and reinstall the air intake system and all other items removed in step 3 above using the BRP shop manual.