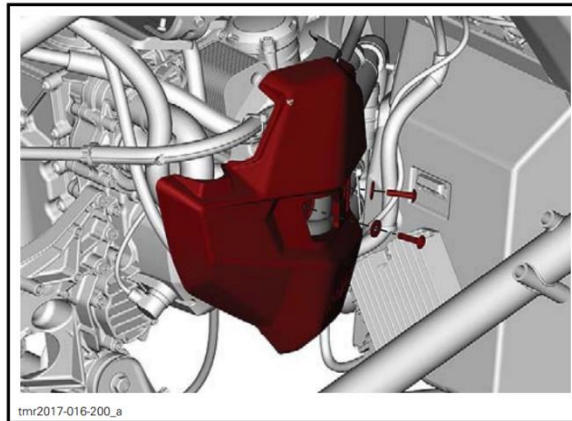
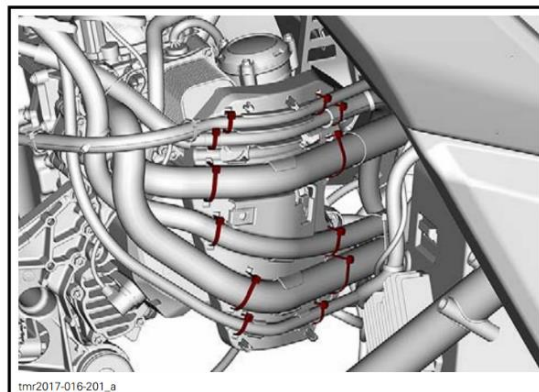


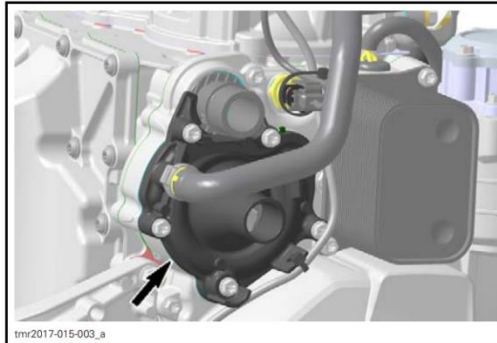
1. Drain Oil
  - a. 2 different plugs; Drain the 10 mm socket first and then the 17mm socket plug
  - b. Keep sealing washer together
2. Drain coolant
  - a. After coolant is drained then lift/jack the back of the car up and remove the coolant line off of the radiator.
  - b. Zip-tie the coolant hoses out of the way
3. Disconnect the battery
4. Remove the protective cover bolts – T27 8mm with extension



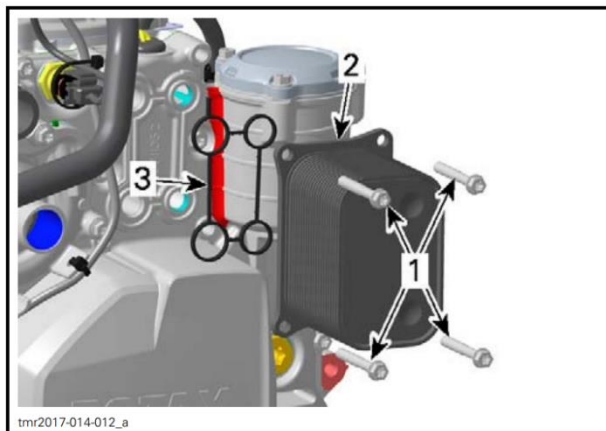
5. Cut all the zip-ties holding the hoses



6. Remove the coolant hoses – 5/16 socket or flat screwdriver
  - a. The coolant hose bracket does not go back on
7. Disconnect the stator wire from the rectifier
8. Disconnect the temperature sensor
9. Remove the crank sensor – 8mm socket
10. Remove the water pump housing



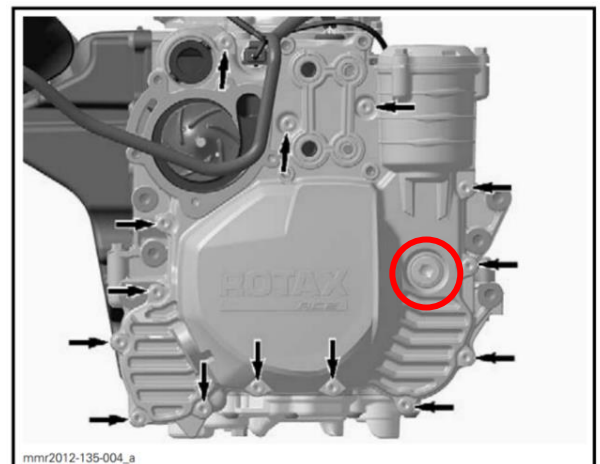
11. Remove the 4 oil cooler bolts – 8mm socket



1. Retaining screws
2. Oil cooler
3. Gasket

12. Remove the ignition (stator) cover

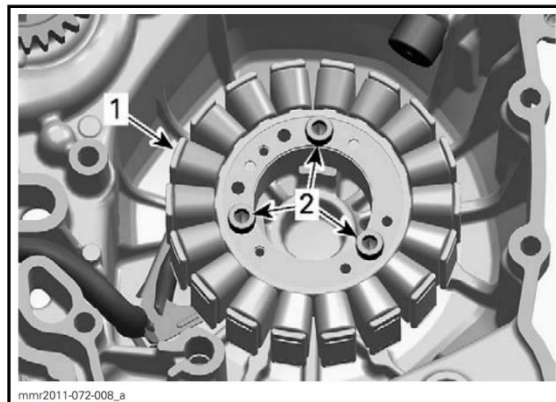
- a. Remove the plug and spring behind it before you remove the cover (circled in red in the picture below). Be careful as it is spring loaded.
- b. The gear pin falls out when removing the cover, make sure it's aligned when placing it back.



MAGNETO COVER SCREWS

**⚠ CAUTION** Magnetic force between mag-  
neto flywheel and stator is very high. Avoid  
finger contusions.

13. Remove as much of the old gasket as possible
14. Remove the flywheel bolt – 14mm Allen
  - a. This bolt cannot be removed after the new stator cover is installed.
15. Remove the oil cap and filter
16. Push the grommet off the stator
17. Remove the stator - Bolts 5mm Allen
18. Clean ignition cover and ship it back to LaRue Performance
  - a. Ship it back with the water pump installed
19. Remove the coolant temperature sensor and install it into the new modified cover included with the LaRue Alternator Kit.
20. Install the stator with red Loctite into the new modified cover – tighten bolts 5mm Allen
  - a. Torque stator bolts 104 inch pounds



mmr2011-072-008\_a  
1. Stator  
2. Stator retaining screws

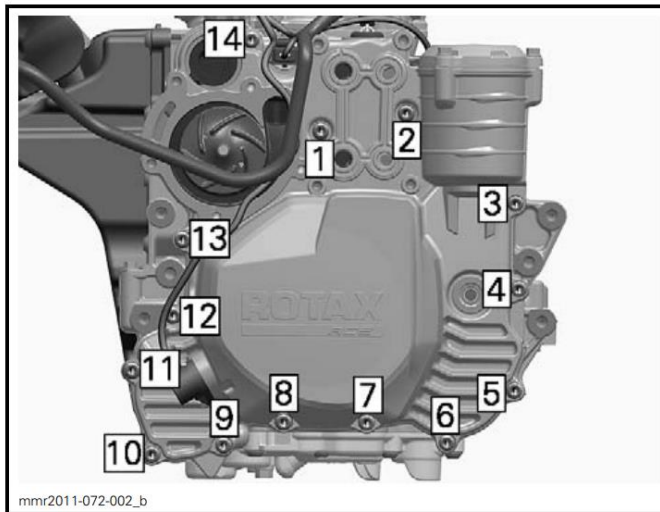
21. Place the oil filter and cap back on
22. Torque oil filter bolts 86 inch pounds
23. Put on gasket
  - a. Apply small dabs of ultra grey to help seal gasket placement
24. Put the ignition cover on

**⚠ CAUTION** Magnetic force between mag-neto flywheel and stator is very high. Avoid finger contusions.

25. Spin the water pump to align it

26. Reinstall bolts – torque bolts 86 inch pounds

- a. Bolts 5-9 in the sequence will be the 5 bolts (included with the kit) that bolt on the alternator kit bracket.



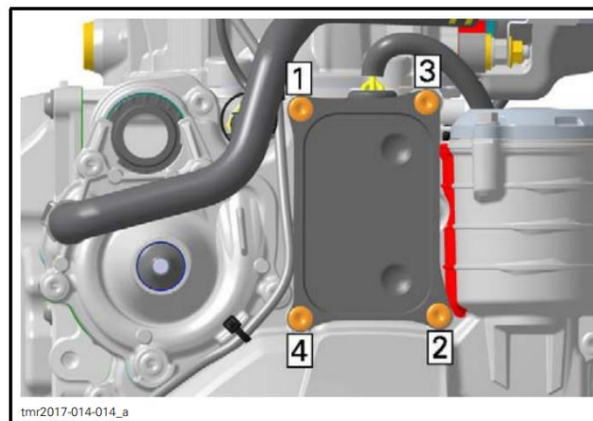
*TIGHTENING SEQUENCE*

27. Plug the stator back in

28. Attach main wire to alternator

29. Install bracket with attached alternator – torque 86 inch pounds

30. Reinstall Oil Cooler



*TIGHTENING SEQUENCE OIL-COOLER*

31. Apply red Loctite on pulley bolt

32. Grease the seal and pulley spacer

33. Install pulley with spacer

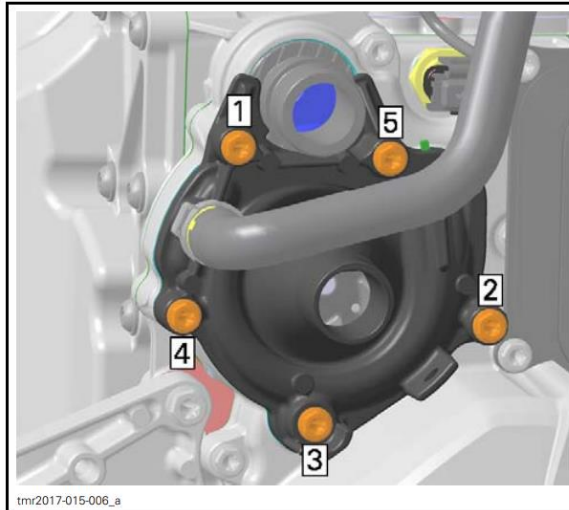
34. Hold the clutch with a strap or a clutch holding tool to keep it from moving

35. Torque the pulley bolt – 24mm socket at 115 ft-lb

36. Install and tighten alternator belt

37. Install water pump housing – torque bolts 86 inch pounds

- a. Don't forget the bolt with sealing washer



TIGHTENING SEQUENCE

38. Install crank sensor

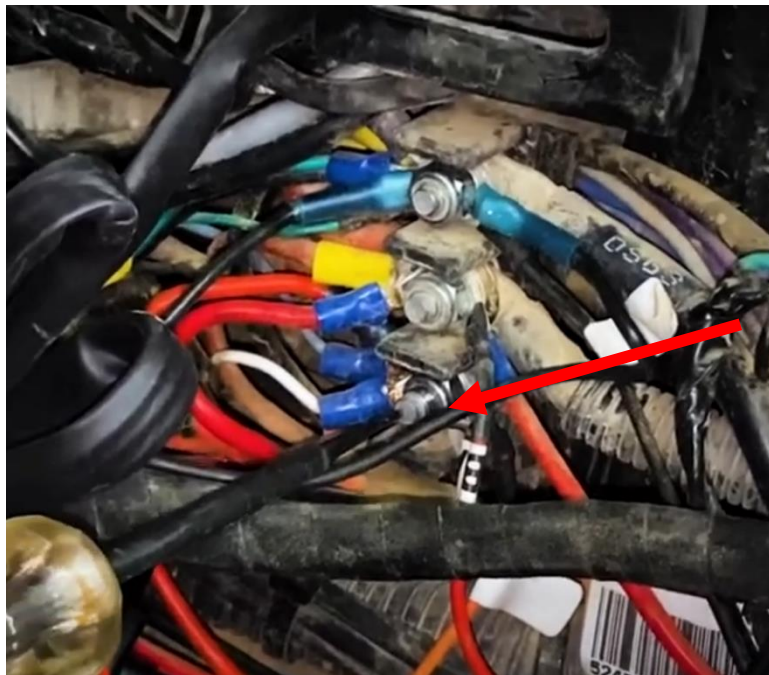
39. Zip-tie crank sensor wire

40. Install coolant hoses and zip-tie them together away from the pulley

41. Connect the alternator wire (+) to the battery

42. Install the alternator excite wire (switched 12V)

- a. Remove passenger seat to run wire through tunnel to the bottom of the wire terminal.



43. Replace the oil and coolant. Then heat cycle the engine and check the levels.

\*Please refer to your Can-am X3 instruction manual for further in-depth instructions if needed.

