



ETON America, LLC



Service Bulletin

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Viper 90R will not shift into neutral gear from forward or reverse.

Model covered: **VIPER 90R (RXL-90R)**

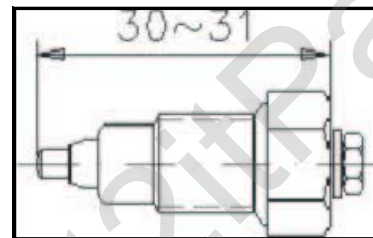
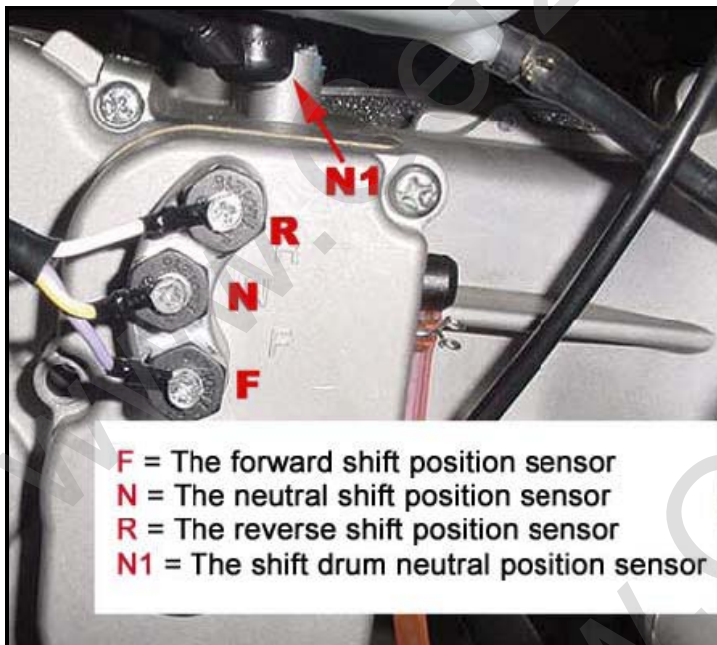
Symptoms : **Transmission will not shift into Neutral from either forward or reverse.**

When shifting from forward to neutral or from reverse to neutral the shift motor does not turn. The N1 sensor is faulty. It is in an always on position sending the CDI the signal that the transmission is already in the neutral position.

To test the N1 sensor remove the lead from the N1 sensor and attach to the N sensor so that both the N and N1 sensor leads are now attached to the N sensor. Test shift the transmission from forward to neutral and again from reverse to neutral. If the transmission shift normally replace the N1 sensor.

Remove the faulty sensor and install a new sensor. Snug the new sensor into the seat until the seat just touches the transmission housing. **DO NOT** over tighten the sensor as over tightening can damage the sensor and cause the problem to be repeated.

Attach the N1 sensor lead to the new sensor and test shift the transmission for proper operation.



Transmission sensing unit