

HOGTUNES

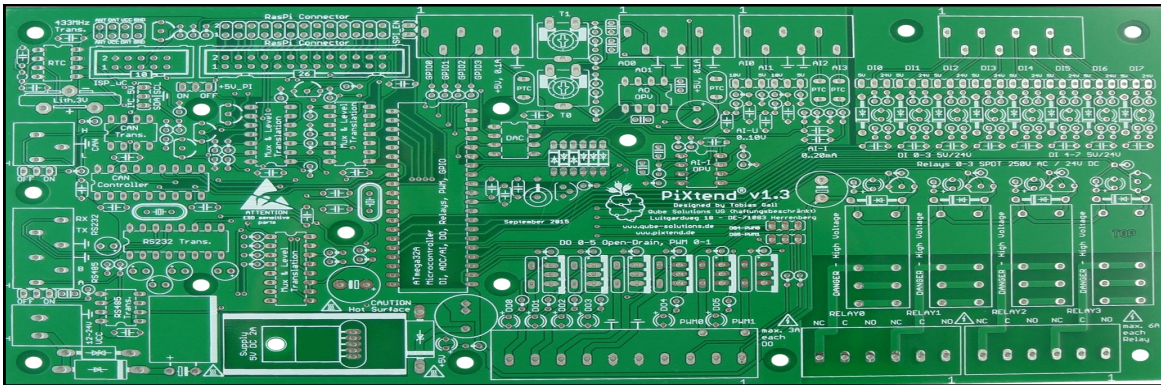
Audio Solutions For The Great American Cruiser



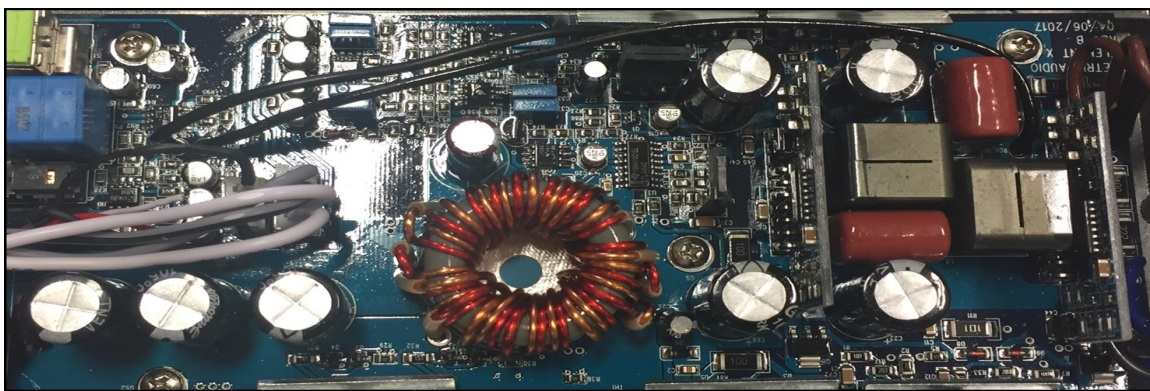
R.E.M.I.T. Made Simple

Just like there are different styles of motors, there are different styles of amplifiers. For many years, the most common style of amp was called Class AB. These don't work well for bikes as they generate a lot of heat, need to be large, and consume more current from the charging system “per watt” than newer designs. The amp style we use is called “Class D” which are great for bikes as they are much easier on charging systems, produce much less heat than Class AB, and can be very small.

Regardless of brand, or what vehicle its going in, the downside to ANY Class D amp is they ALL negatively effect FM reception. Just like a running motor produces exhaust, Class D amps upset FM! The “noise” that upsets FM reception is called Electro Magnetic Interference or E.M.I. for short. R.E.M.I.T. stands for “Reduced Electro Magnetic Interference Technology”.



All of our circuit boards are made of a product called “FR-4” which is the same material used in F-14 fighter jets. Typical amps have multiple “traces” that run beside each other and “carry” EMI. Amps with REMIT have traces that intersect at VERY specific angles which radically reduces EMI. Moving a single trace on any of the 4 layers of circuit board as little as 2mm can bring back all the FM interference. This was a massive undertaking by our engineering team and is why REMIT took 5 years to perfect.



There are many tiny “surface mount” parts robotically placed on the circuit board. Having certain parts placed on specific “axis” also reduces EMI. When mounted on top of a radio inside a fairing, traditional Class D amps can reduce FM by as much as 90%. **Amplifiers with REMIT typically yield 95% (or higher) FM reception!** When you consider our amps are easy on bikes charging systems, produce little heat, are small AND give excellent FM reception, REMIT amps could be the perfect amplifier solution for motorcycles! REMIT circuitry can only be found on amplifiers made by Houghtunes, Wild Boar Audio and Metrix Audio.