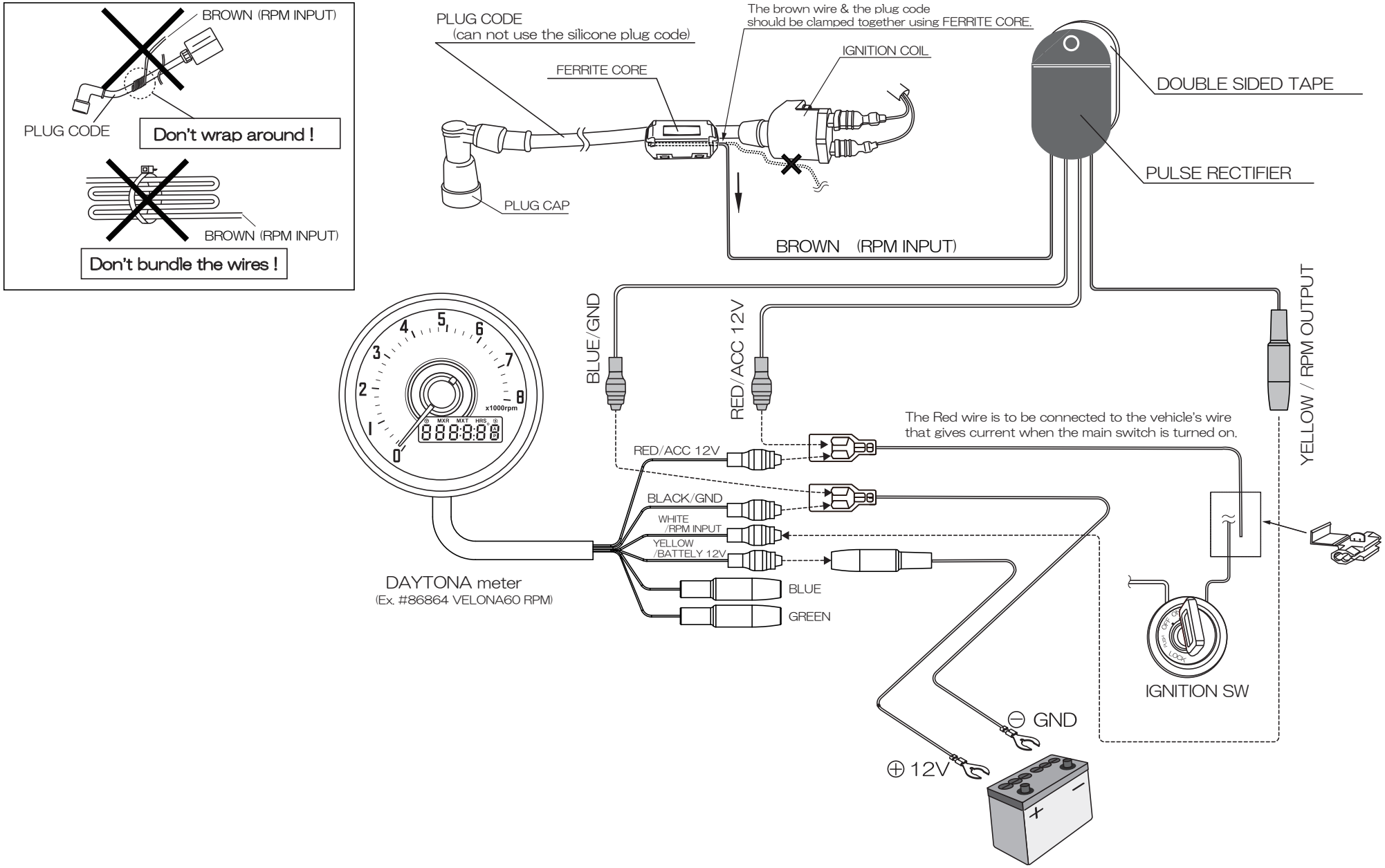PULSE RECTIFIER WIRING