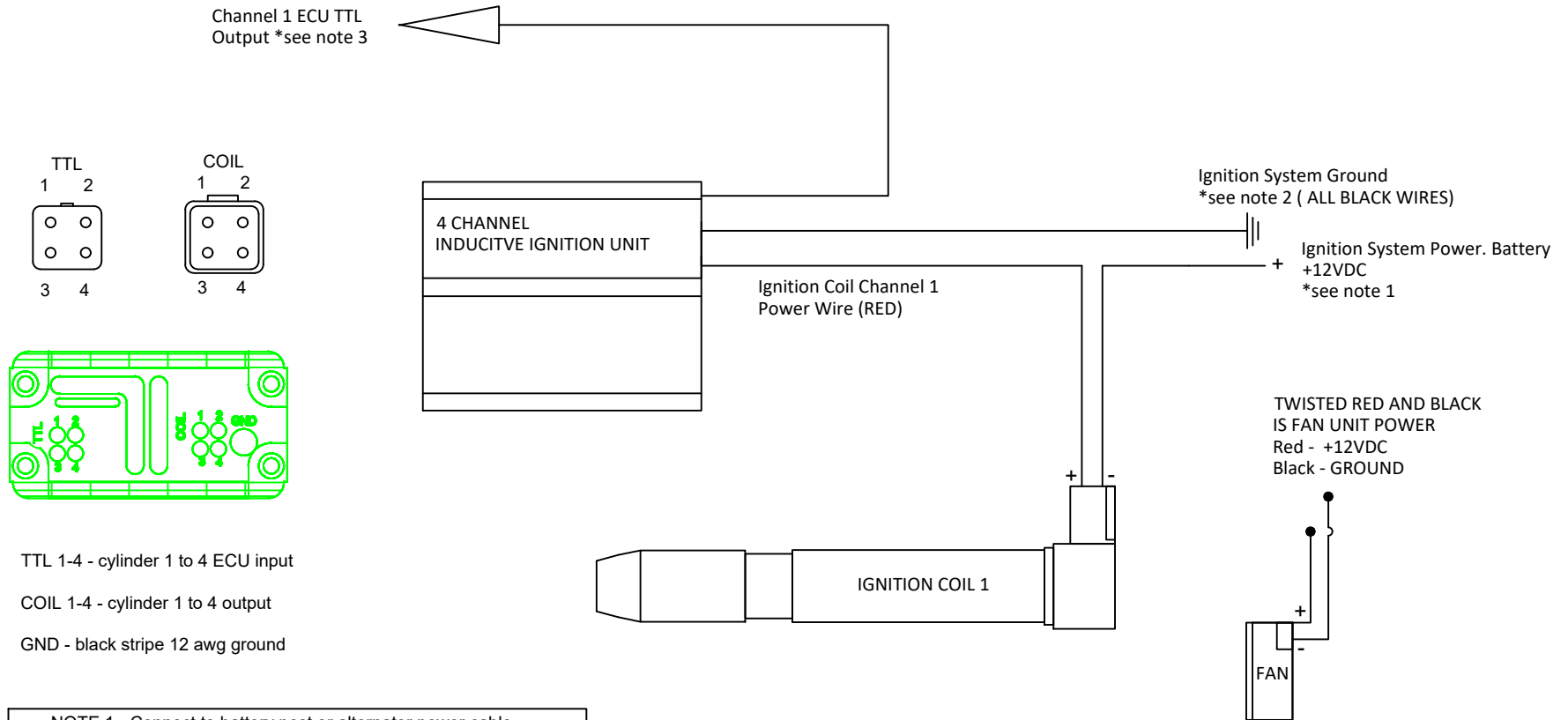


Setup shows wiring for one channel. Use same configuration for remaining channels.



NOTE 1 - Connect to battery post or alternator power cable. Wire in 40 amp relay to switch ignition energy on during keystart. This wire connects ALL power to the ignition coils and is also where the ACE Power Bank should be connected for high output situations.

NOTE 2 - Use engine, chassis or preferably, negative battery post for ground point. When not grounding to battery be sure that heavy gauge wire is used to ground engine block and chassis to negative battery post.

NOTE 3 - Square Wave line Input required with voltage of 2.8 - 12 volts DC. Ignitor fires on falling edge trigger and charges based on duty cycle of the period.

Typical dwell time for Coil On Plug units is 1.8 and 3.2 for typical ignition coils. Contact Mission Systems for dwell times.

\* Mission Systems TaKAI igniter was developed in house for NASA's rocket thruster program for high output and low noise and includes a full limited lifetime warranty.

**TAKAI  
IGNITOR  
WIRING**

MISSION IGNITION SYSTEMS

Revision B