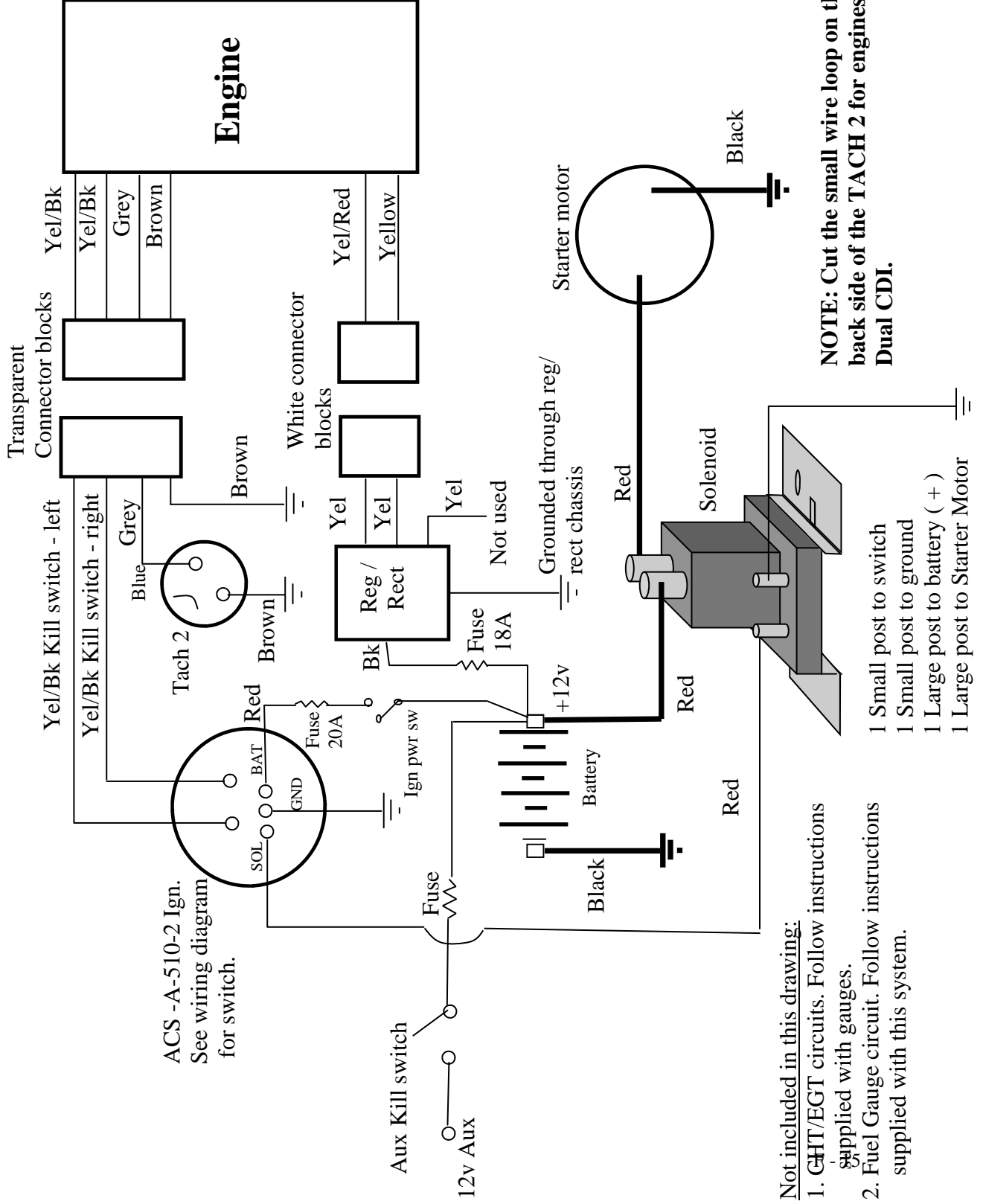


Suggested wiring diagram for Rotax 447/503 Dual CDI, Dual carbs.



Not included in this drawing:

1. GHT/EGT circuits. Follow instructions supplied with gauges.
2. Fuel Gauge circuit. Follow instructions supplied with this system.

NOTE: Cut the small wire loop on the back side of the TACH 2 for engines with Dual CDI.

WIRING LOOM COMPONENTS FOR LSS

<u>Wire color</u>	<u>Location</u>	<u>Length and associated connectors</u>	
<u>REGULATOR-RECTIFIER</u>			
			M/F = Male/Female
BLACK	REG/RECT (inset fuse)	11 ft	3 M/F Connectors - 1 lg, 1 sm. ring connector
YELLOW	REG/RECT	1 ft	1 M/F Connector
YELLOW	REG/RECT	1 ft	1 M/F Connector
THE BODY OF REG/RECT IS GROUNDED ON CONTACT WITH AIRCRAFT.			
<u>IGNITION SWITCH</u>			
YEL/BLK	KILL SW LEFT	11 ft	1 M/F & 1 sm ring connector
YEL/BLK	KILL SW RIGHT	11 ft	1 M/F & 1 sm ring connector
RED	IGNITION LIVE	11 ft	1 sm & 1 lg ring connector
GREEN	IGNITION GRND	3 ft	1 sm & 1 lg ring connector
RED	SOLENOID LIVE	11 ft	1 sm & 1 lg ring connector
<u>TACH 2</u>			
GREY	TACH 2	11 ft	1 M/F Connector
GREEN	TACH 2 GRND	3 ft	1 M/F Connector & 1 lg ring connector
<u>ENGINE GOUND (See note below)</u>			
BROWN	ENGINE GRND (SEE NOTE)	3 ft	1 lg ring connector
<u>FUEL SYSTEM</u>			
BLACK	FUEL PROBE	8 ft	2 M/F Connectors
RED	FUEL PROBE	8 ft	2 M/F Connectors
YELLOW	FUEL PROBE	8 ft	2 M/F Connectors

CHT/EGT interconnect

These 4 core wires are fitted with connectors and packaged individually. Please refer to the instruction supplied with the CHT/EGT gauges for installation of the interconnect.

NOTE:

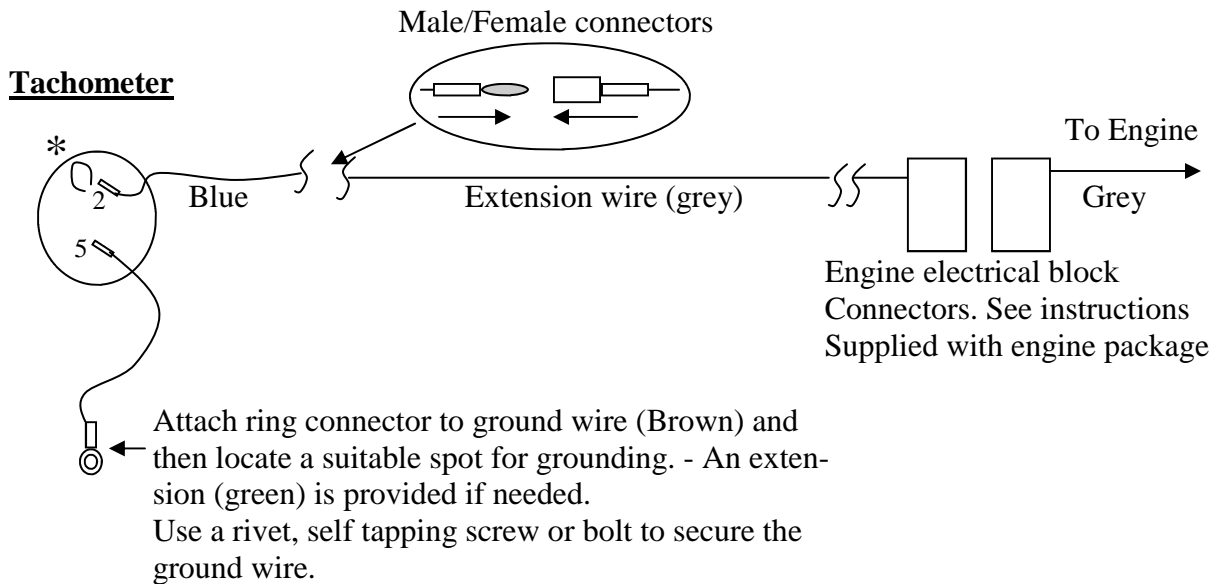
BROWN WIRE FROM ENGINE TO BLOCK CONNECTOR IS 'GROUND'. IT IS ADVISABLE TO GROUND THE ENGINE BLOCK TO THE AIRCRAFT FRAME WITH 4ga 'STARTER MOTOR GROUND WIRE' (3FT SUPPLIED WITH STARTER MOTOR PACKAGE) IN ADDITION TO BROWN WIRE GROUNDING.

THE CONNECTORS HAVE NOT BEEN ATTACHED SO THAT YOU MAY TRIM WIRES OR RE-ROUTE WIRES TO SUIT YOUR NEEDS.

FOR ATTACHING WIRES TO THE BLOCK CONNECTORS, PLEASE REFER TO THE MANUAL YOU RECEIVED WITH YOUR ENGINE FROM ROTAX. THE CONNECTORS AND BLOCKS FOR THE ENGINE ARE LOCATED IN ONE OF THE CARBURATOR BOXES.

How to construct circuits for LSS - Example

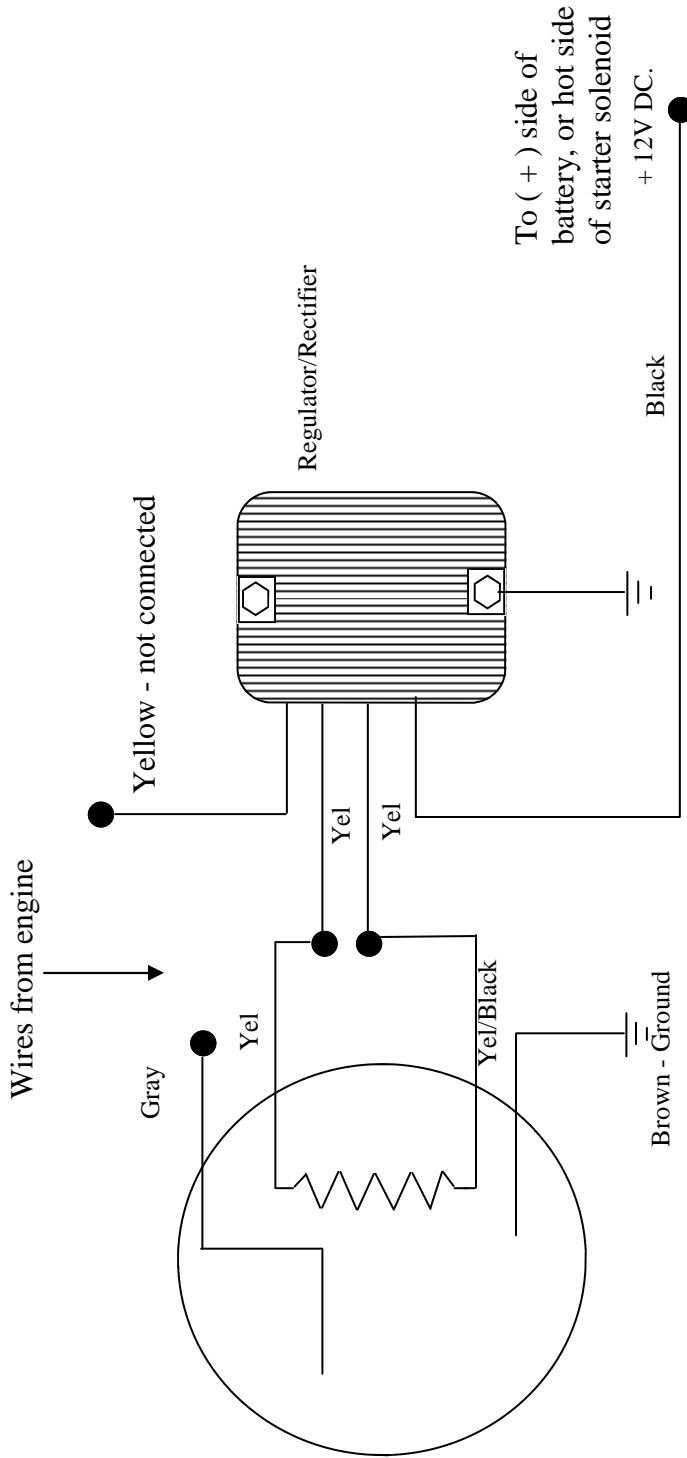
This example of how to construct a circuit is typical for all circuits supplied with the LSS. Obviously, some thought must go into each individual circuit as there are slight differences for the construction and routing. You may also be considering such things as 'hot boxes' or 'gang connectors'. The options are many. We have chosen to show you the simplest and easiest method within these instructions.



*- If you are running a 'Dual Ignition' engine, you must cut this wire loop

Note: The Tachometer is supplied with a wiring harness. The default wire colors are Blue and Brown. Please note this on your aircrafts circuit diagram.

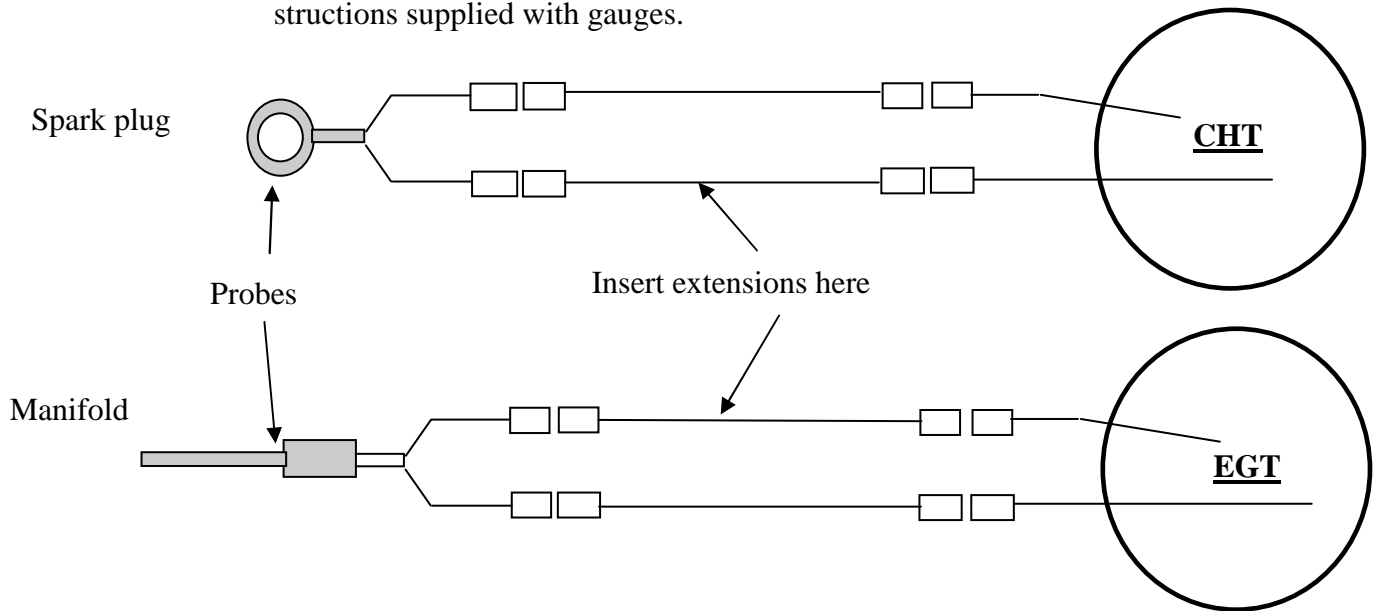
How to connect the 3 phase reg/rect.



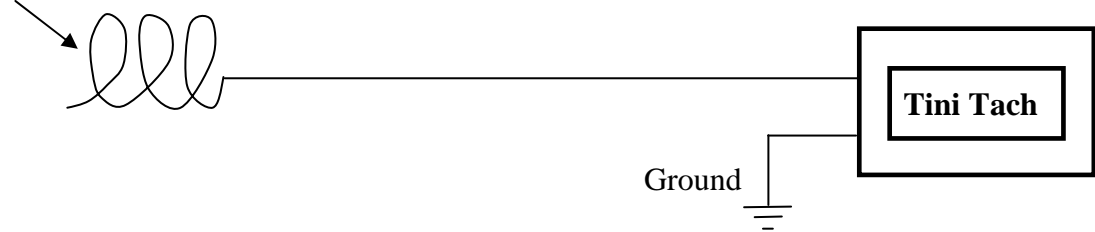
Special 3 phase regulator/rectifier unit connects directly to lighting coil. Produces 12V DC. current. Ideal for charging batteries and other accessories requiring 12V DC. Easy four wire hook-up. 'Fins help dissipate heat during full load operations. This unit does not require a 'minimum load'. The yellow wire not used can be used as back-up circuit or to directly power gauges and other accessories requiring 12V DC.

EGT/CHT Installation

Wiring harnesses (extensions) are assembled and complete for the CHT/EGT circuits. Simply connect the ends as per instructions supplied with gauges.



Wrap at least 3 times around spark plug lead.



Follow the installation instructions that accompany these instruments.