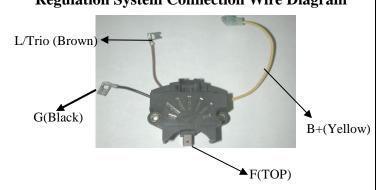
Regulation System Connection Wire Diagram



System Regulator Type:

- **●** Voltage Set Point :14.5V
- Regulation : A Circuit
- **●Inactive Lamp**

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T _{OP}	-30		125	°C
Field	$I_{ m F}$		5		A
Voltage Set Point (2500 RPM, at 20A load)	$ m V_{SET}$	14.30	14.50	14.70	v
Secondary Set Point (2500 RPM ,at 20A load)	$ m V_{SET2}$				V
Computer Set Point	$ m V_{SEC}$				V
Speed Regulation (2000 RPM to 6000 RPM ,at load = 15A)	$ m V_{SR}$		-0.1	-0.3	V
Load Regulation (10% to 95%, at Speed = 6000 RPM)	$ m V_{LR}$		-0.3	-0.5	V
Saturation Voltage @ 5A, 12Volts	$\mathbf{V}_{\mathbf{SAT}}$		0.5	0.8	V
Standby Current (Key off, V _{BAT} = 12.6V)	I_{SB}			0.5	mA
Temperature Coefficient	$T_{\rm C}$	-6	-3	0	mV/ °C
Over voltage Indication	V _{ov}				V
Under voltage Indication	V _{UV}				V
Soft-Start Duty	\mathbf{D}_{SS}				%
LRC Delay Time	$T_{ m LRC}$				Sec
Cut-in Speed				1300	RPM

Safety Characteristics:

- \triangleright Over voltage: Vs = 24 V, 60 sec. from the ignition SW. is turned ON/OFF without failure.
- ➤ Battery Reversal: Vs = -14 V, 60 sec. from accidental battery reversal without failure.

➤ Repetitive Thermal Shock :

The Regulator shall be designed to withstand 500 cycles of -30'C to 125'C in 20 minutes and 125'C to -30'C in 20 minutes.

➤ High Temperature Test :

The Regulator shall be designed to operate reliability at the rated current of alternator is 80% to 100% and at 6000 rpm (shaft speed) for a minimum of 10 hours at $125\mbox{'C}.$

2001.03.01	2005.06.09	3	陳建勳					
Date of first edition	Date of revised edition	Edition	Manu- script	Original review	Second review	Approval	Issued mark	Copy's number