

TROUBLESHOOTING GUIDE

MAGIC-STROBES-RSG



PRE TROUBLESHOOTING CHECKLIST

- FITMENT: 14-19 HARLEY DAVIDSON TOURING CANBUS MODEL WITH BRAKE & TURN ON THE SAME WIRE. (DOMESTIC STREET GLIDE/ROAD GLIDE WITH 1157 TURN SIGNALS OR DOMESTIC ULTRA MODEL WITH TOURPAK SIDE ARMS THAT WORK AS BRAKE AND TURN.)
- IN THE STOCK CONFIGURATION, DO ALL FUNCTIONS WORK? RUN, BRAKE AND TURN?
- ARE LOW CURRENT DRAW LEDS INSTALLED IN THE REAR TAILLIGHTS?
- COMPATIBLE WITH HARLEY DAVIDSON BAGS AND HD FILLER PART NUMBER 67800589
- NOT COMPATIBLE WITH CIRO BAG BLADES (WILL CAUSE SOME UNITS TO ILLUMINATE ONLY HALFWAY)
- COMPATIBLE ONLY WITH DOMESTIC MODELS (WILL CAUSE B2161 CODE ON INTERNATIONAL BIKES)

SYMPTOM	POSSIBLE CAUSE	REMEDY
THE MODULE IS INSTALLED BRAKE LIGHT IS SOLID NO STROBE FUNCTION ON ANY SETTING	1. MODULE IS INSTALLED IN THE WRONG CONNECTOR LOCATION FOR MODEL.	1. LOCATE CORRECT CONNECTOR.
	2. BOTH SWITCHES IN THE OFF POSITION	2. FLIP SWITCHES TO THE ON POSITION
	3. NO CONTINUITY TO GROUND ON THE BLACK WIRE	3. CHECK FOR PINCHED OR BROKEN WIRE OR LOOSE PINS. USE OHM METER CHECK CONTINUITY TO GROUND OR TEST LIGHT CLIPPED TO POSITIVE PROBE BLACK WIRE.
	4. MODULE/SWITCH FAILURE	4. VERIFY THE FIRST 3 STEPS. CONFIRM UNIT DOES NOT APPEAR CRACKED OR HAVE BRO- KEN SWITCHES OR DIAL. MODULE NEEDS TO BE RETURNED FOR EVALUATION.
WITH MODULE INSTALLED THERE IS A RAPID FLASH ON THE TURN SIGNAL INDICATOR AND RECEIVE CODES B2151, B2156 LEFT AND RIGHT TURN SIGNAL OPEN	1. TURN SIGNAL BULB NOT OPERATIONAL	1. INSPECT AND REPLACE TURN SIGNAL BULB
	2. BCM HAS NOT BEEN SYNCED	2. PERFORM BCM SYNC BY RUNNING THE HAZARDS WITH THE BIKE POWERED OFF FOR 1-2 MINUTES
	3. BCM SYNC HAS BEEN PERFORMED BUT STILL HAS SAME SYMPTOM	3. PERFORM MODIFIED BCM SYNC. POWER THE BIKE ON, TURN FOUR WAYS ON, START AND RUN THE BIKE, RAISE RPM'S TO 2000 AND HOLD STEADY FOR 1-2 MINUTES, IDLE DOWN, TURN BIKE OFF, TURN BIKE BACK ON AND TURN OFF THE FOUR WAYS, TURN BACK OFF. NOW YOU CAN CHECK FOR PROPER OPERATION

TROUBLESHOOTING GUIDE

MAGIC-STROBES-RSG (continued)



SYMPTOM	POSSIBLE CAUSE	REMEDY
TAILLIGHTS WILL FLASH/STROBE BUT NOT ON THE DESIRED PATTERN OR FLASH/STROBE PATTERN STUCK ON ONE SETTING	1.MISTAKING THE SCREW DRIVER SLOT AS THE POINTER	1.USE THE ARROW AS THE POINTER
	2.FAULTY OR BROKEN DIAL	2.CONFIRM DIAL IS NOT PHYSICALLY BROKEN , IF DIAL AND MODULE PASSES VISUAL INSPECTION. RETURN FOR EVALUATION.
MODULE INSTALLED OPERATION OF ONLY RUNNING LIGHTS IN REAR, BRAKE AND TURN DO NOT ILLUMINATE WITH MODULE REMOVED STOCK FUNCTIONS RETURN	1. USING INCANDESCENT BULBS OR HIGH POWER LEDS CAUSING THE UNIT TO SHUT DOWN DUE TO OVER CURRENT PROTECTION BUILT INTO MODULE	ISOLATED OUTPUT TEST: UNPLUG THE OUTPUT CONNECTOR, WITH A TEST LIGHT OR VOLTMETER PROBE PURPLE (LEFT BRAKE/TURN) AND BROWN (RIGHT BRAKE/TURN) TEST FOR VOLTAGE FOR EACH FUNCTION. 1.IF NORMAL FUNCTION RETURNS WITH OUTPUT ISOLATED. LOW CURRENT LED'S MUST BE USED FOR PROPER OPERATION. * IF UNIT FAILS THIS TEST AND INCANDESCENCE OR HIGH POWERED LED'S ARE INSTALLED UNIT WILL NOT BE COVERED AND WARRANTY IS VOIDED*
	2. UNIT HAS FAILED (WITH LOW CURRENT DRAW LED'S INSTALLED)	2. IF THERE IS NO FUNCTION ON TEST LIGHT OR VOLTAGE WITH THE OUTPUT ISOLATED RETURN MODULE FOR EVALUATION.
MODULE INSTALLED, ONE OR ALL BRAKE LIGHT/TURN SIGNALS WILL NOT ILLUMINATE		PERFORM ISOLATED OUTPUT TEST: VERIFY MODULE IS RECEIVING CORRECT INPUTS, UNPLUG THE OUTPUT CONNECTOR, WITH A TEST LIGHT OR VOLTMETER PROBE PURPLE (LEFT BRAKE/TURN) AND BROWN(RIGHT BRAKE/TURN) TEST FOR VOLTAGE FOR EACH FUNCTION.
	1. SHORT CIRCUIT DETECTED ON MODULE OUTPUT	1.IF PROPER FUNCTION RETURNS, LOCATE AND CORRECT SHORT ON OUTPUT HARNESS OF MOTORCYCLE.
	2. FAULTY MODULE	2.IF THERE IS NO FUNCTION WITH THE OUTPUT ISOLATED TEST, RETURN FOR EVALUATION.

TROUBLESHOOTING GUIDE

MAGIC-STROBES-RSG (continued)



SYMPTOM	POSSIBLE CAUSE	REMEDY
BRAKE LIGHT ILLUMINATED ALL THE TIME	1. STUCK BRAKE SWITCH/FAULTY BRAKE SWITCH ON THE BIKE	1. PROBE INPUT RED WIRE AND CHECK FOR VOLTAGE WITH BRAKE NOT ENGAGED. IF THERE IS VOLTAGE ON RED BRAKE INPUT ISOLATE TO CONFIRM FRONT OR REAR SWITCH FAULT.
	2. FAULTY MODULE	2. WHEN TESTING BRAKE FOR VOLTAGE AND THERE ARE 0 VOLTS ON RED INPUT BRAKE WIRE AND 12 VOLTS ON ANY BRAKE OUTPUT WIRE RETURN MODULE FOR EVALUATION
MODULE INSTALLED AND FACTORY TAILLIGHTS STROBE BUT FILLERZ/BAGZ/PLASMA RODS DO NOT.	1. MODULE AND HARNESES IN THE WRONG ORDER.	1. CONNECT RSG TO THE INPUT SIDE OF LIGHTING HARNESES.
MODULE INSTALLED LOWER FENDER LIGHTS STROBE BUT TOUR PAK WORKS AS SOLID BRAKE ONLY	1. PROPER OPERATION. RSG DESIGNED TO ONLY STROBE FENDER HARNESS LIGHTS. PURCHASE AND INSTALL MAGIC-STROBES-LTP2.	1. INSTALL LTP2, IF INSTALLED TROUBLESHOOT MAGIC STROBES-LTP2.
		END OF GUIDE