

# MICROTECH LT-10+IGBT 13B SEQUENTIAL ENGINE MANAGEMENT SYSTEM

IGNITION +12V

RED +12V

YELLOW

YELLOW/BLACK

LEADING  
COILPACKS

LEADING #1

LEADING #2

RED +12V

ORANGE

ORANGE/BLACK

TRAILING  
COILPACKS

TRAILING #1

TRAILING #2

IGNITION ON  
PINK WIRE

GND  
ENGINE  
BLOCK

GREY/BLUE

GREY/GREEN  
GREY/WHITE  
GREY/BLK  
GREY/RED

YELLOW/BLACK  
ORANGE/BLACK  
THICK BLACK

IGN OUTPUT #1 L1  
IGN OUTPUT #2 L2  
IGN OUTPUT #3 T1  
IGN OUTPUT #4 T2  
IGN GND  
IGN GND

**X4 IGBT**

IGN INPUT #4 T2  
IGN INPUT #3 T1  
IGN INPUT #2 L1  
IGN INPUT #1 L1

**MICROTECH LT-10  
13B SEQUENTIAL**

IGN OUTPUT #1 L1  
IGN OUTPUT #2 L2  
IGN OUTPUT #3 T1  
IGN OUTPUT #4 T2  
TACH OUTPUT (+12V)

INJECTOR DRIVE #1 PRI\_1 (PRIMARY FRONT)  
INJECTOR DRIVE #2 PRI\_2 (PRIMARY REAR)  
INJECTOR DRIVE #3 SEC\_1 (SECONDARY FRONT)  
INJECTOR DRIVE #4 SEC\_2 (SECONDARY REAR)

BATTERY +  
IGNITION ON +12V  
FUEL PUMP RELAY  
SEE FUEL DRAWING

5 VOLT INPUT  
AIR TEMP SENSOR  
WATER TEMP SENSOR  
AUX OUTPUT #3  
AUX OUTPUT #2  
OXYGEN SENSOR INPUT  
AUX INPUT #1  
AUX INPUT #2

IGNITION INPUT

CRANK INPUT #1  
CRANK INPUT #2  
GND  
POWER N/C

GREEN  
RED  
BLACK  
BLACK

HOME  
SPEED  
GND  
GND

GREEN  
RED  
YELLOW  
BLUE

4WAY PLUG

CRANK  
ANGLE  
SENSOR

**IGN SETUP -**  
CONFIG = 04 CYL/R  
INPUT TRIG = +VE  
OUTPUT TRIG = IGBT  
DWELL TYPE = TIME  
DWELL = 3.50 MS  
PUMP DWELL = 4.00 MS

NOTE:  
SET STATIC TIMING  
5 DEGS ATDC

**X4 IGBT  
PIN OUTS**

INPUT L1  
INPUT T1  
GND  
OUTPUT L1  
OUTPUT T1



Title		LT-10 13B + IGBT	
Size	Number	Revision	
A3	MAZDA 13B	1.0	
IGNITION DRAWING		Sheet 2 of 2	
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