

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

IGNITION +12V

RED +12V

YELLOW

YELLOW/BLACK

YELLOW  
YELLOW/BLACK  
ORANGE  
ORANGE/BLACK

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

X4 IGBT

LEADING  
COILPACKS

LEADING #1

LEADING #2

RED +12V

ORANGE

ORANGE/BLACK

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

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

MICROTECH LT-10  
13B SEQUENTIAL

IGNITION ON  
PINK WIRE

TRAILING  
COILPACKS

TRAILING #1

TRAILING #2

GND  
AT  
ENGINE  
BLOCK

TACH OUTPUT  
SIGNAL

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 +  
GND  
IGNITION ON +12V  
FUEL PUMP RELAY

FUEL & SENSORS INPUT  
SEE FUEL DRAWING

5 VOLT  
T.P.S. INPUT  
AIR TEMP SENSOR  
WATER TEMP SENSOR  
AUX OUTPUT #3  
AUX OUTPUT #2  
AUX OUTPUT #1  
OXYGEN SENSOR INPUT  
AUX INPUT #1  
AUX INPUT #2

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

IGNITION INPUT

IGN SETUP -  
CONFIG = 04 CYL/R  
INPUT TRIG = +VE  
OUTPUT TRIG = IGBT  
DWELL TYPE = TIME  
DWELL = 4.50 MS  
PUMP DWELL = 5.00 MS

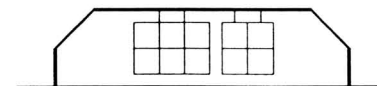
CRANK  
ANGLE  
SENSOR

GREEN GREEN HOME  
RED RED SPEED  
WHITE YELLOW GND  
WHITE/BLACK BLUE GND

NOTE:  
SET STATIC TIMING  
5 DEGS ATDC

OUTPUT T1  
OUTPUT L1  
GND  
INPUT T1  
INPUT L1

X4 IGBT  
PIN OUTS



OUT T2  
OUT L2  
GND  
INF T2  
INF L2

Title		
LT-10 13B + IGBT		
Size	Number	Revision
A3	MAZDA 13B IGNITION DRAWING	1.0
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File: LT10 13B/2		