

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
ANGLE
SENSOR

GREEN
RED
WHITE
WHITE/BLACK
GREEN
RED
YELLOW
BLUE
4WAY PLUG

YELLOW
RED

GREEN
RED
YELLOW
BLUE
GREEN
RED
BLACK
BLUE

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

IGNITION INPUT

CRANK SENSOR PICKUPS

BLUE
GREEN

BOTTOM
HOME X 1
GREY PLUG

OUTPUT T1
OUTPUT L1
GND
INPUT T1
INPUT L1
OUTPUT T2
OUTPUT L2
GND
INPUT T2
INPUT L2

X4 IGBT
PIN OUTS

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

Title		
LT-10 13B + IGBT		
Size	Number	Revision
A3	MAZDA 13B	1.0
IGNITION DRAWING		
Date: 4-OCT-2004	Sheet 2 of 2	
File: LT10 13B/2	Drawn By: DOM	