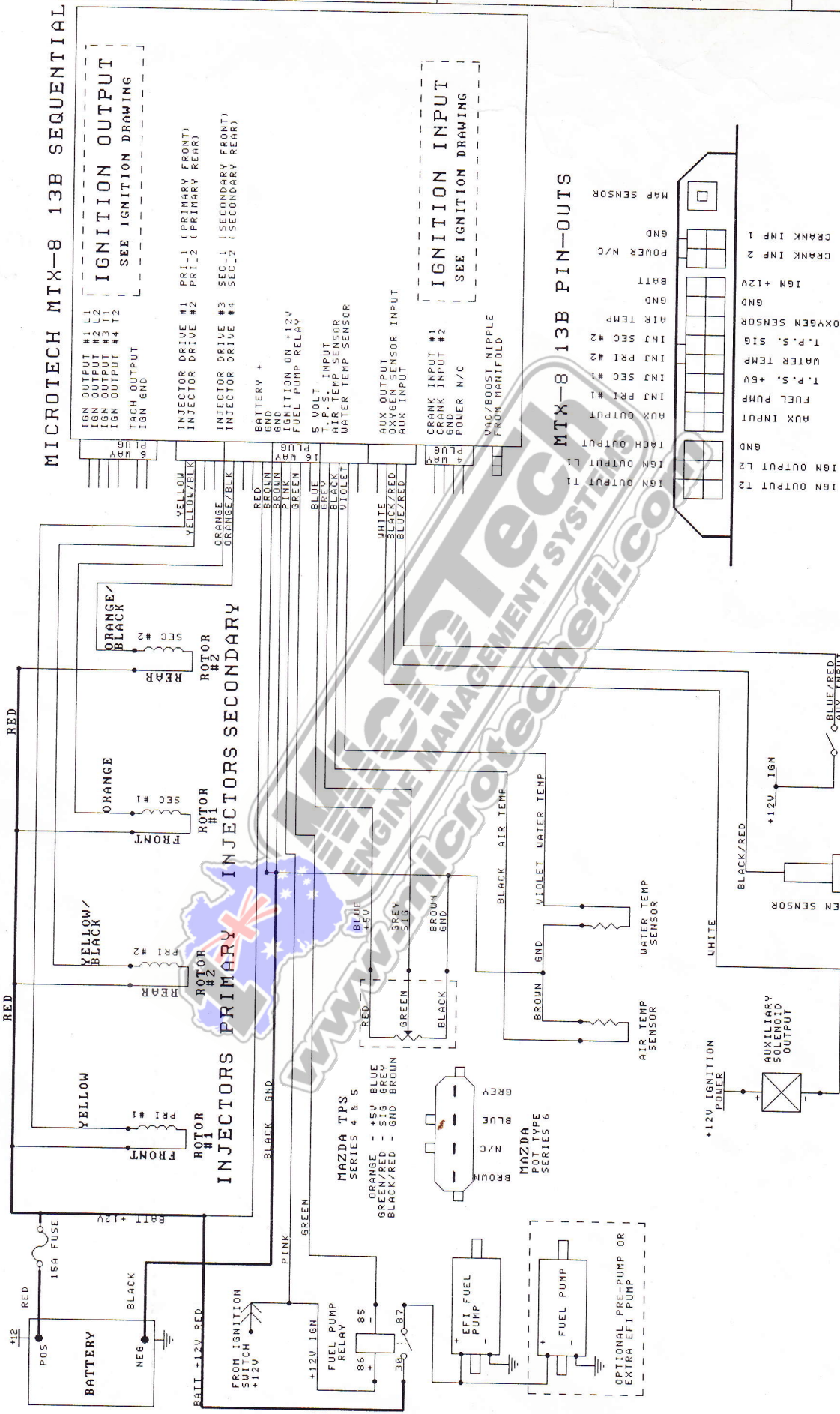


# MICROTECH MTX-8 13B SEQUENTIAL ENGINE MANAGEMENT SYSTEM



MICROTECH MTX-8 13B SEQUENTIAL

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

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  
5 VOLT INPUT  
T.P.S.  
AIR TEMP SENSOR  
WATER TEMP SENSOR

AUX OUTPUT  
OXYGEN SENSOR INPUT  
AUX INPUT

IGNITION INPUT  
SEE IGNITION DRAWING

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

VAC/BOOST NIPPLE  
FROM MANIFOLD

MTX-8 13B PIN-OUTS

MAP SENSOR	IGN OUTPUT L2
POWER N/C	IGN OUTPUT L1
BATT	TACH OUTPUT
IGN +12V	AUX OUTPUT
GND	IGN OUTPUT T1
AIR TEMP	IGN OUTPUT T2
INT SEC #2	AUX INPUT
INT SEC #1	FUEL PUMP
INT PRI #2	AUX INPUT
INT PRI #1	FUEL PUMP
AUX OUTPUT	AUX INPUT
AUX INPUT	FUEL PUMP
WATER TEMP	FUEL PUMP
T.P.S. SIG	FUEL PUMP
OXYGEN SENSOR	FUEL PUMP
CRANK INP 1	FUEL PUMP
CRANK INP 2	FUEL PUMP

N.B. USE ONLY - PER INJECTOR BANK

1 X	2 OHM INJECTORS
2 X	4 OHM INJECTORS
2 X	12 OHM INJECTORS
4 X	12 OHM INJECTORS

Title	
MTX8 13B DIRECT FIRE	
Size	Number
A3	MAZDA 13B
Revision	Revision
1.1	1.1
Date: 30-JUN-1978	File: MTX8 13B/1
Sheet 1 of 2	Drawn By: DUM

# MICROTECH MTX-8 13B SEQUENTIAL ENGINE MANAGEMENT SYSTEM

## MICROTECH MTX-8 13B SEQUENTIAL

### IGNITION OUTPUT

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

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  
SPARE

AUX OUTPUT  
OXIDEN SENSOR INPUT  
AUX INPUT

### IGNITION INPUT

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

### MTX-8 13B PIN-OUTS

IGN OUTPUT #1	IGN OUTPUT L1
IGN OUTPUT #2	IGN OUTPUT L2
IGN OUTPUT #3	IGN OUTPUT T1
IGN OUTPUT #4	IGN OUTPUT T2
IGN GND	GND
TACH OUTPUT	TACH OUTPUT L1
TACH OUTPUT	TACH OUTPUT L2
AUX INPUT	AUX INPUT
FUEL PUMP	FUEL PUMP
T.P.S. +5V	T.P.S. +5V
WATER TEMP	WATER TEMP
T.P.S. S16	T.P.S. S16
OXIDEN SENSOR	OXIDEN SENSOR
IGN +12V	IGN +12V
CRANK INP 2	CRANK INP 2
CRANK INP 1	CRANK INP 1
GND	GND
BATT	BATT
POWER N/C	POWER N/C
MAP SENSOR	MAP SENSOR

YELLOW  
YELLOW/BLACK  
ORANGE  
ORANGE/BLACK  
BLUE/WHITE  
BROWN

GND  
AT  
ENGINE  
BLOCK

TACH OUTPUT  
SIGNAL

GREEN  
BLACK  
BLACK  
BLACK

IGNITION +12V

RED +12V

YELLOW

YELLOW/BLACK

LEADING  
COILPACK

LEADING #2

LEADING #1

RED +12V

ORANGE

ORANGE/BLACK

TRAILING  
COILPACK

TRAILING #2

TRAILING #1

IGNITION ON  
PINK WIRE

CRANK  
ANGLE  
SENSOR

GREEN HOME  
RED SPEED  
WHITE GND  
YELLOW GND  
WHITE/BLACK BLUE  
4WAY PLUG

NOTE:

SET STATIC TIMING  
5 DEGS ATDC

### IGN SETUP -

CONFIG = 04 CYL/R  
INPUT TRIG = +VE  
OUTPUT TRIG = -VE  
DWELL TYPE = TIME  
DWELL = 3.25 MS  
PUMP DWELL = 3.50 MS

Title	
MTX8 13B DIRECT FIRE	
Size	MAZDA 13B
Number	1.0
Revision	
A3	IGNITION DRAWING
Date:	17-SEP-93
Sheet	2 of 2
File:	MTX8-13B72
Drawn By:	DOM

