

# INSTALLATION INSTRUCTIONS ELECTRICAL GAUGES

STEPMOTOR MOVEMENT JAPAN

SMOKE LENS SERIES WHITE & AMBER LED DISPLAY

OPENING CEREMONY

## Exhaust Gas Temp Gauge

**1**

BACK VIEW

Press Sensor Wire Harness

EGT Sensor Wire Harness

Temp Sensor Wire Harness

Red  
Orange  
White  
Black

**2**

Meter

Buffer

Visor

Meter Cup & Holder

**3** EXHAUST GAS TEMP SENSOR

Drill a hole  
On either position  
And installing the  
1/8PT thread jointer

Exhaust Manifold

Exhaust pipe

5/8 x 1/2 Thread

1/8 PT Thread

Bushing

Nut

PINK - CONNECT TO SENSOR WIRE HARNESS(WHITE WIRE).  
BLUE - CONNECT TO SENSOR WIRE HARNESS(BLACK WIRE).

**4**

BACK VIEW

Shrink Tubing (Yellow)

EGT Sensor Wire Harness

BLACK WHITE

EXHAUST GAS TEMP SENSOR

## Press gauge

**5**

Detach original element

Sensor attachment (commercially available)

Thread size 1/8NPT

press sensor

O-ring

\*Sensor Attachment Have To Buy Extraly

**6**

Fuel pressure regulator

Wind teflon tape

Hose unions (commercially available)

Three-way joint (commercially available)

Fix tightly with clamps (commercially available)

Fuel return pipe (low pressure)

Fuel feed pipe(high pressure)

To sensor wire

sensor

Be sure not to twist

\*Cut the fuel feed pipe and install hose unions.

**7**

RED  
BLACK  
WHITE

1/8 NPT Thread

PRESS SENSOR

**8**

BACK VIEW

Press Sensor Wire Harness

Shrink tubing (Black)

RED  
BLACK  
WHITE

PRESS SENSOR

## Temp Gauge

**9**

Radiator

Upper Hose

Engine Ground

Sensor Attachment

Attach tightly with clamps. (commercially available)

Wind teflon tape. (Screw Size for sensor 1/8 NPT)

Temperature Sensor

\*Sensor Attachment Have To Buy Extraly

**10**

Detach original element

Engine

Sensor attachment (commercially available)

Thread Size 1/8NPT

O-ring

Temperature Sensor

\*Sensor Attachment Have To Buy Extraly

**11** TEMP SENSOR

WHITE

BLACK

WHITE - CONNECT TO SENSOR WIRE HARNESS (WHITE WIRE).  
BLACK - CONNECT TO SENSOR WIRE HARNESS (BLACK WIRE).

**12**

BACK VIEW

Temp Sensor Wire Harness

Shrink Tubing (Blue)

BLACK  
WHITE

TEMP SENSOR

1. Connect power wire (RED) to +12V battery wire.
2. Connect power wire (BLACK) to ground, negative (-) battery terminal or a good chassis ground.
3. ORANGE - Note
4. WHITE - Note



NOTE: GAUGE REQUIRE FUNCTION

REQUIRE FUNCTION		INSTALLATION
DAYTIME	NIGHT TIME	
WHITE SCALE	WHITE SCALE	WHITE WIRE → CONNECT TO ACC
		ORANGE WIRE → NO CONNECT
AMBER RED	AMBER RED	WHITE WIRE → NO CONNECT
SCALE	SCALE	ORANGE WIRE → CONNECT TO ACC
WHITE SCALE	AMBER RED	WHITE WIRE → CONNECT TO ACC
	SCALE	ORANGE WIRE → CONNECT TO PARKING LAMP
AMBER RED	SCALE	ORANGE WIRE → CONNECT TO ACC
	WHITE SCALE	WHITE WIRE → CONNECT TO PARKING LAMP