

# INSTALLATION INSTRUCTIONS

## R35 GT-R Speed Density Kit

### Omni 4 Bar SD kit

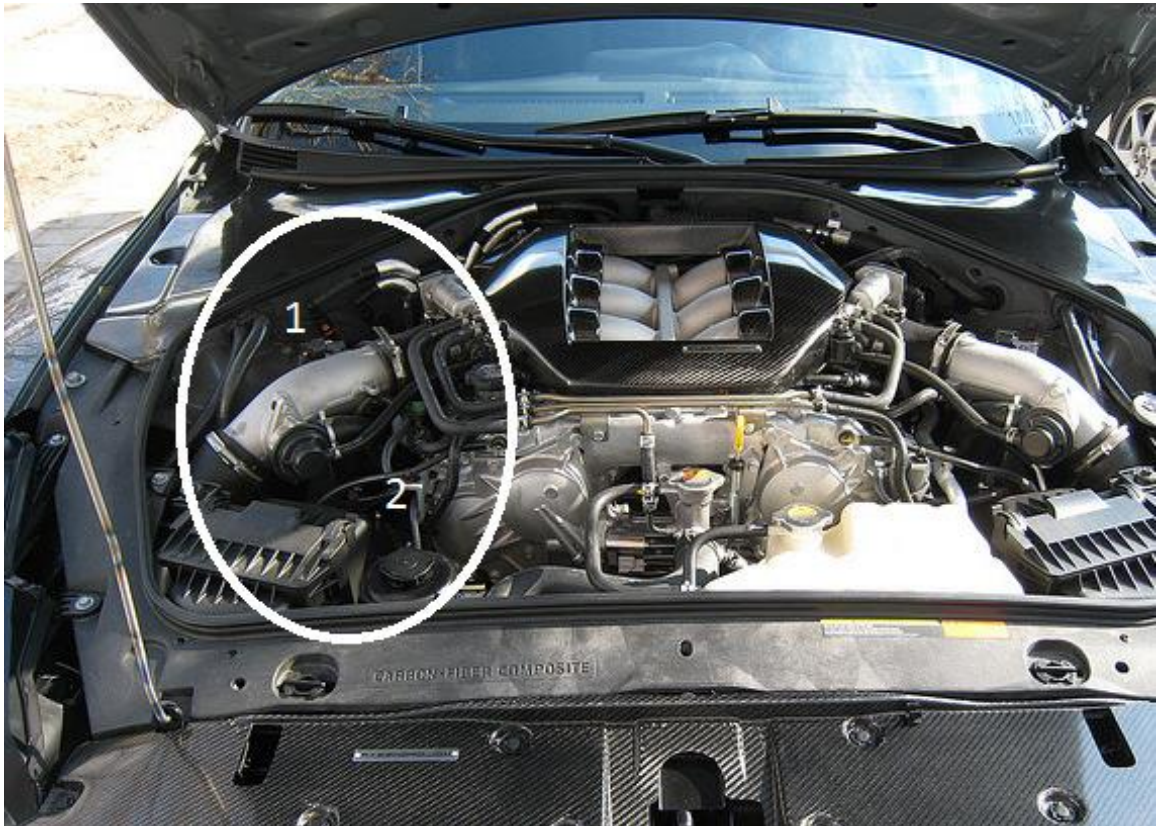
The Speed Density conversion kit for the Nissan R35 GT-R allows Seamless transition from an airflow (MAF) based engine management system to a speed density (SD) one. This is done by relocating the intake air temperature (IAT) sensor from the OEM MAF sensor housing to the intercooler pipe Manifold Absolute Pressure (MAP) sensor.

The following parts should be included with your kit:

- Replacement MAP sensor with integrated thermistor
- Split wiring loom adapter
- 1 (KIT A) or 2 (KIT B) sealing terminals

Installation location:

The replacement sensor and its wiring adapter are to be installed on the engine side “Bank 1”. This is commonly referred to as the Right Hand (RH) side of the vehicle, or Passenger side for North American left hand drive vehicles.



Step 1:

Unplug the OEM MAF located in area 2 on both sides of the car. You will find oem MAF on the intake piping going to the turbo.

Step 2:  
Plug driver side MAF with supplied MAF plug



Step 3:

Replace both OEM boost sensors on upper charge pipe with supplied 4 bar boost sensors. The OEM sensors will have a white dot on them.

Below image is Omni 4 bar map sensor replaced on upper charge pipe. Remember to plug OEM wire back into Driver side (US car) Omni 4 bar sensor



Step 4:

Wire in SD loom harness into Passenger side (US Car) MAF sensor and upper charge pipe boost sensor. Plug wide 6 pin loom into OEM MAF wire as pictured below



Route other end of Omni loom how you want as it will plug in between OEM Upper charge pipe connection and Omni 4 bar boost sensor. My finger is on OEM boost

sensor plug. Notice how OMNI sensor is wired in between.



Leave OEM Manifold boost sensor in Manifold unless supplied with another OMNi Boost sensor.