

How To Fit A Z32 Afm, To an R33 GTST Series 1 & 2 (Also R34 GTT).doc

Ok guys many of us have done this before but no one has done a full DIY for it...

I did the research on series 2 skylines and found no one had documented the wiring...

So below is a summary on how too for Series 1 & 2...

What you need to complete the job (Both S1 & S2)

- * Soldering Iron
- * Solder
- * Heat shrink
- * Lighter or other heat source
- * Screw Drivers
- * 10mm & 8mm Spanners
- * Black Electrical Tape
- * Side cutters & or Wire strippers
- * Can of coke and a pie (Optional)

SERIES 1 R33 (Standard 4 wires)

Start by removing your OEM afm from the engine bay.

1. Remove the air filter box and or pod filter
2. Disconnect the connector (plug) from the afm
3. Using a 8mm spanner loosen the hose clamps on the afm (turbo side)
4. Remove the afm
5. Cut the plug from the car (Cut it at least 10-12cm back from the plug, so u can use it again in the future.)
6. Splice all wires and prep for soldering
7. Cut small lengths of heat shrink and place over each wire
8. Use series 1 wiring guide below to twist together new plug harness and OEM harness
9. Solder joints (Must solder, no dodgey work)
10. Place heat shrink over joint and apply heat
11. Once all have been soldered and heat shrunk. Wrap the whole harness in black electrical tape.
12. Put afm back in car in reverse order from step 5

SERIES 2 R33 (Standard 3 wires)

Do exactly as Series 1 steps above.

Except in step 8 use the series 2 wiring diagram.

OK the attachments...



IMAGES THANKS TO PAULR33

Z32 AFM WIRING	SERIES 1 AFM WIRING
Wire 1 - Not Connected	Wire A - Not Connected
Wire 2 - Signal	Wire B - Signal
Wire 3 - 12v Ground	Wire C - 12v Ground
Wire 4 - Signal Ground	Wire D - Signal Ground
Wire 5 - 12v Power	Wire E - 12v Power
Wire 6 Not Connected	

SERIES 2 AFM WIRING

WIRE (WHITE WITH BLUE TRACE) = GROUND
WIRE (ORANGE WITH BLACK TRACE) = SIGNAL
WIRE (BLACK WITH WHITE TRACE) = 12V+ POWER

Now all you need to do is match up...

- * signal with signal
- * ground with ground
- * power with power

For Series 2 owners you need to join wire 3 & 4 on the Z32 Plug and join it to the White with blue trace on the standard harness. So in english you are sharing both ground and signal ground as the same ground to the ecu.

For Series 1 owners please write down the colour codes on the wires as they come out of your standard plug so you know where to match them up when you cut the harness down further...

First series 1 owner to do this mod can you please pm me you wiring colours from left to right so i can make it even easier. Thanks Col