

This wiring information is from my conversion using a 1987 Supra Turbo (7M-GTE) MkIII and installing a 1992(1993) SC400 1UZ-FE w/R154 transmission and the 1993 ECU. This is a rough draft and some information still needs to be filled in, however it should get anyone started with this type of conversion. HVAC (A/C and heat) were not wired back in at this time.

This conversion will require the 7M-GTE wiring harness engine bay fuse box connector and dash connector. Other connectors may be required as well such as the oil pressure sensor and water temp sensor connectors

I am not an automotive wiring expert. I am not responsible for your mistakes, the mistakes in the information below or the damage, personal or property, that may follow from using this information. Use this information at your own risk.

1987 Supra -> 1993 1UZ-FE Wiring Conversion

- Interior
 - Supra
 - M1
 - Pin 7 – Gray/Green -> 1UZ ECU Blue/Yellow (add pin number)
 - Pin 9 – Brown -> Ground to Intake (Water temp. gauge ground)
 - Pins 3&4 – Backup light switch wiring from R154
 - Pin 8 – Yellow/Black -> 1UZ harness 20 (23?) pin orange connector pin 20 Yellow/Black w/Gold bands
 - Pin 6 – Yellow/Green (water temp.) -> Pin 9 Yellow/Green (add connector name/desc.)
 - Pin 1 – Black -> Pin 8 Black (add connector name/desc.)
 - 1UZ
 - Orange 20 (23?) pin connector
 - Pin 1 – Brown -> White 12 pin connector Pin 1 Brown -> E2 on 1UZ ECU
 - Grey 17 pin connector
 - Black/Orange w/Silver Bands (add pin number) -> Small Black/Orange on Supra big yellow connector (add connector name/desc)
 - Grey 14 pin connector
 - Black/Orange w/Silver Bands (add pin number) -> Small Black/Orange on Supra big yellow connector (add connector name/desc)
 - Black/White w/Silver Bands (add pin number) -> Small Black/Orange on Supra big yellow connector (add connector name/desc)
 - Black/Red (add pin number) -> Black/Red on Supra big yellow connector (add connector name/desc)

- Supra Big Yellow Connector (behind glove box, add connector name/desc)
 - Black (engine bay connection at 1UZ harness at fuse box, add connector/pin information) run into interior -> Black/Blue (add pin number)
 - Red (engine bay connection at 1UZ harness at fuse box, Black/Orange wire, add connector/pin information) run into interior -> Big Black/Orange (add pin number)
 - Green (add pin number) -> 7.5A fuse -> ground (turns fuel pump on when key is in 'ON' position)
- Exterior
 - Supra engine bay at fuse box, yellow 6-pin connector (add connector name/desc)
 - Black/Red (add pin) -> Black/Red (add pin) on grey 1UZ connector (add connector name/desc)
 - White (add pin) -> Black/Yellow (add pin) on grey 1UZ connector (add connector name/desc)
 - Black/Orange (add pin) -> Black/Orange (add pin) on grey 1UZ connector (add connector name/desc)
 - White/Black (add pin) – not used, comes from body ground on fender
 - Black/Yellow (add pin) – not used