



Apexi RSM Installation

The following is a brief guide on how to install an Apexi RSM into a Lexus IS200. The installation guide that came with the unit did not provide an accurate ECU pin configuration for this vehicle.

The installation procedure was based on a Lexus IS200 Auto.

The unit was mounted in the centre console in the space below the traction control button.

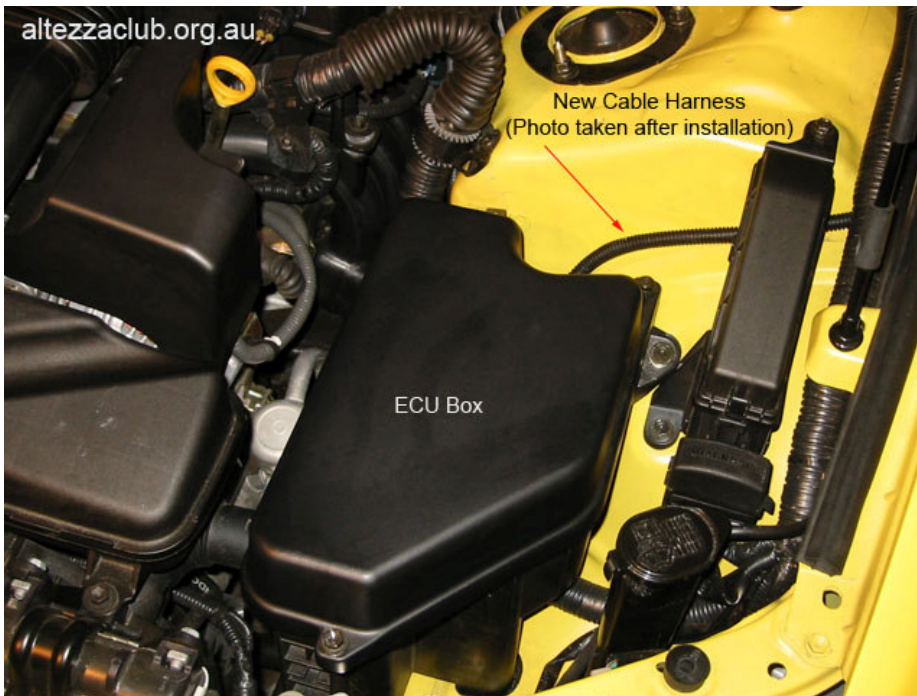


- Remove the glovebox to gain access to the back of the dashboard.
- Pass the wiring loom from the RSM from the centre console to the area behind the glovebox.

- Use the connectors provided with the unit to extend the loom. This guide uses a 5 core trailer wiring.



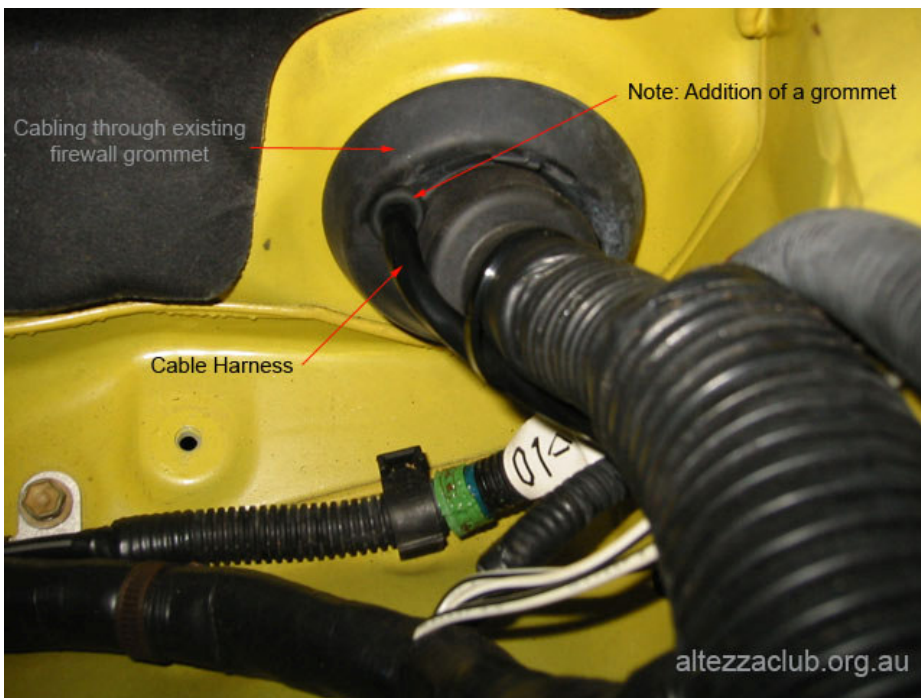
- When facing the glovebox, there is an existing wiring loom which runs through the firewall located on the far top left.
- This is where the RSM wiring can also pass through to the ECU.
- The ECU is located in the engine compartment.



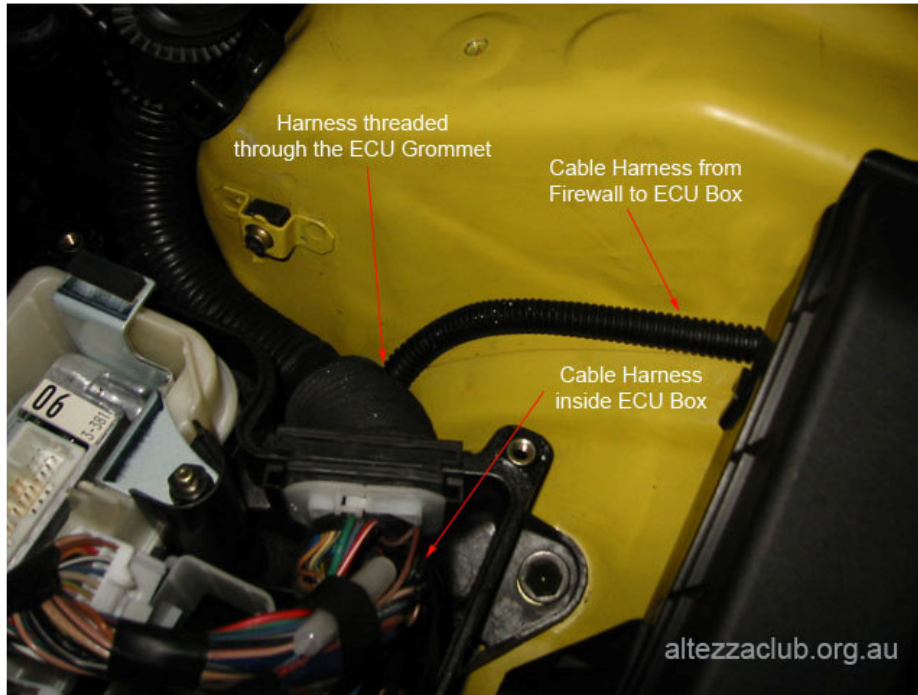
- Remove the battery to gain access to the firewall loom.



- Run the cabling through the firewall grommet. You will need to cut a very small hole in the existing grommet to pass through the new cabling.
- An additional grommet was used for the new cabling to ensure moisture insulation.



- The new cabling was routed under the existing loom for a neat installation.
- The new cabling was then threaded through the ECU box seal. This will be a tight fit, so no hole was necessary. This gives the installation a factory appearance.



- The connections from the RSM were then spliced into the ECU wiring.

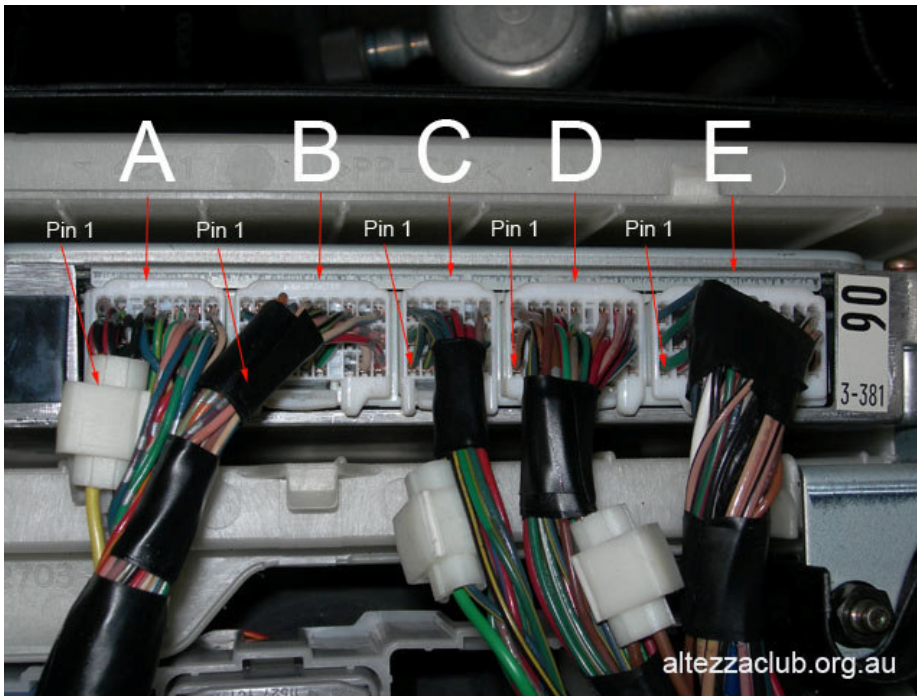


- The following are the ECU wiring required.

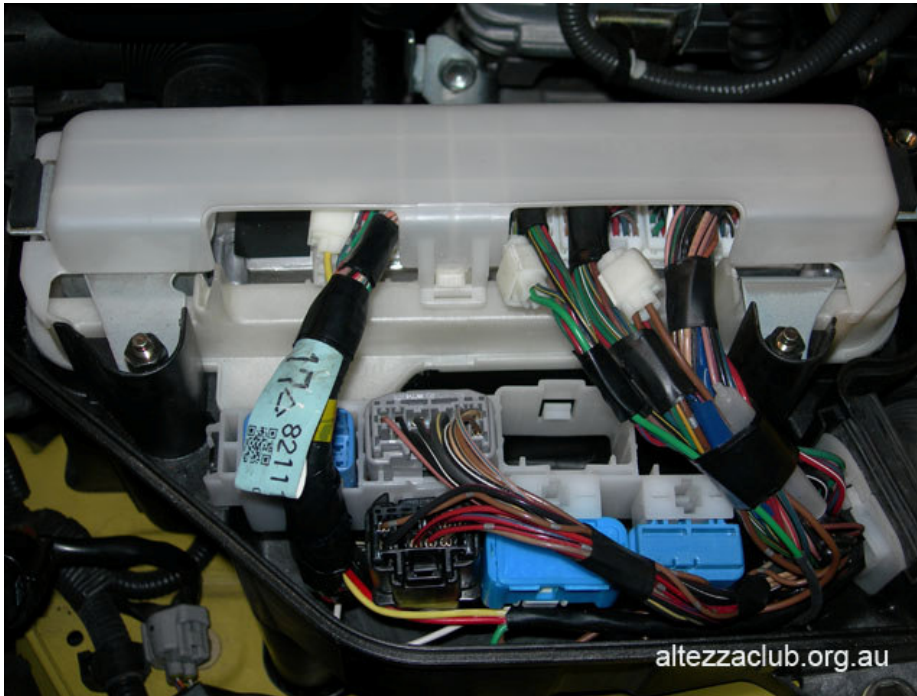
RSM Wiring		ECU Pin	Wire Code	
Red	IG Power	9A	Brown/Orange	IGSW
Black	Ground	17D	Brown	E1
Yellow	RPM	12A	Black	TACH
Purple	Speed Input	5C	Blue/Yellow	SPD (Auto)
Purple	Speed Input	28B	White/Blue	SPD (Manual)

NOTE : Installation was based on an auto. If you are installing the unit in a manual, the ECU speed input Blue/Yellow (pin 5C) may not exist. The White/Blue (pin 28B) is an equivalent speed connector from the ECU.

Pin 1 is the lower left of the connector. Pin count goes from left to right.



- Replace the ECU shield and box cover.



- Test the installation and configure the unit as described in the manual.

In addition, the G-Sensor was mounted in the centre console below the dash tray.

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Disclaimer: This document has been provided for references only.
The Altezza Club of Australia cannot be held responsible for any damages caused by performing these procedures.