

SYVECS

POWERTRAIN CONTROL

R35GTR 4WD Controller



Syvecs R35GTR 4WD Controller was designed for purely motorsport use, allowing owners to get round the sudden lose of 4wd on the race track which has caused at least one big accident in motorsport. It also allows drag users to put the R35GTR into rear wheel drive mode for a short burnout to get tyres warm and clean.

Fitting:

First you need to locate the 4WD Ecu on the R35GTR, this is found on the right hand side on the Vehicle under the appropriate seat – LHD Drive cars this is passenger seat, RHD drive cars this is the drivers seat.

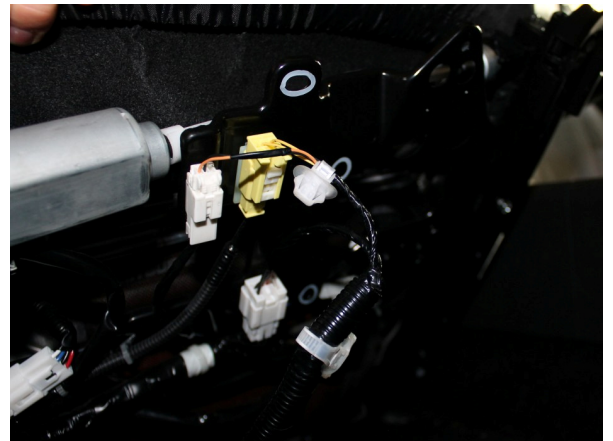
Removing the seat is done by unclipping the 4 plastic bolt covers in each corner of the seat and then using a 14mm socket turning the bolts anticlockwise.



Carefully then tilt the seat backwards and unplug the 3 electrical connection.

After this remove the seat from the vehicle.

Next step is to lift the carpet which was below the seat and remove the polystyrene cover.



The 4WD Ecu will then become present as shown below



Unplug the connector going into the ecu and then plug into the female connector housing on the Syvecs 4WD Module.



Plug the Male connector housing now back into the 4WD and secure the Syvecs 4WD module on top of the OEM ECU with double sided tape.



Reverse the steps now for removing the seat and following the controls below for using the product.

Controls:

RWD Drive Mode

With ignition on and engine NOT RUNNING depress the Transmission toggle down to SNOW mode and then turn snow mode off again by pushing UP on the toggle switch to get back to Normal Transmission mode... Now start the engine by depressing the Brake pedal and pushing the On Switch once... Wait for the engine to start up and you should now see the 4WD light is present on the dash to illustrate RWD mode. If you have purchased an SGTR Ecu kit after the date of 15-03-2013 then it will take note of the RWD activation and disabled the Traction control automatically for doing Burnouts. (If using the stock engine ecu this will have to be done manually)



To turn off RWD mode, Ensure the car is stationary and press the Snow mode button down and back up to Normal trans position TWICE. The 4WD Light will flash slowly three times to illustrate you have exited RWD Drive Mode.

4WD Protection mode

This mode is for the use with customers who spend a lot of time on the circuit and constantly plagued with 4wd loss issues which has resulted in some cases of customers loosing control of their car on the circuit. This mode will warn you when the 4WD ecu is unhappy but will not remove all drive to the front of the car like the OEM control logic does.

With the Engine RUNNING depress the Transmission toggle down to SNOW mode and then turn Snow mode off by pushing UP, on the toggle switch to get back to Normal Transmission mode... The 4WD light will flash rapidly to illustrate the car is now in 4WD Protection Mode. The 4WD light should not be on at this point.

To Exit 4WD Protection mode, Depress the Snow mode button once more and after push Up back to Normal Transmission Mode. The 4WD Light will flash 3 times slowly to show you are now back to Normal 4WD Control.

Support:

Contact your nearest Syvecs Dealer

A Dealer list can be found at : www.Syvecs.com or www.syvecs.us etc