

# Trans Locker™ by Juland Transmission Lock-Up Controller

## Installation Instructions

### Special Note:

Before installing the Translocker, you must ensure the vehicle's Torque-Converter is in a serviceable condition. Using the Translocker will not damage the Torque-Converter. However, it must not be fitted if the Torque-Converter is unreliable or unserviceable and in need of overhauling.

The Torque-Converter can be road-tested by monitoring the engine revs. When the ECU lock-up is activated, engine revs. should drop from about 2200rpm to about 1800rpm at 100km/h.

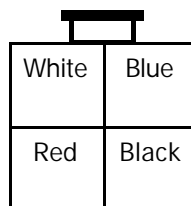
Alternately, applying +12volts to activate the lock-up solenoid should result in the engine revs dropping. If the Torque-Converter 'slips' (increased engine revs) when locked up, installation of the Translocker is not recommended.

Juland's warranty does not cover Torque-Converters which fail after a Translocker is installed.

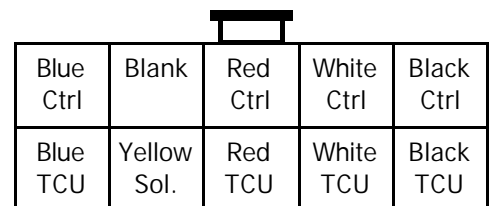
### Connections:-

Power/Speedo Plug. 10-Pins

On/Off Speed-Control Plug. 4-Pins



Connector Rear View



Connector Rear View

### Installation:

- Locate and remove switch hole cover.
- Remove passenger kick panel to gain access to the Transmission ECU
- Secure the Trans Locker™ by Juland using the screws or double-sided tape
- Run the On/Off control lead (Grey cable) up and through the switch hole
- Plug in the On/Off controller
- Press the controller into the hole till it 'clips' home
- Connect the Power/Speedo cable (Black) as follows:-
  - Red Ignition - Splice into Pin 29 Transmission ECU (Yellow/Black)
  - Black Ground - Splice into Pin 32 Trans. ECU (Black)
  - White Speedo Pick-up - Splice into Pin 24 Trans. ECU (Orange/Red)
- Cut the (Green/Red) wire from Pin 22 Trans. ECU about 60-100mm from the plug
  - Blue Join to Pin 22 Trans. ECU (Green/Red)
  - Yellow Join to Lock-Up Solenoid wire (Green/Red)
- Plug the 10-Pin plug into the Trans Locker™ by Juland
- Installation Complete

**NOTE: The Nissan Loom wire colours (in brackets) are intended as a guide only - use the pin numbers if the colours are different.**

### Operation:

The Potentiometer acts as an on/off switch, and sets the "Lock-Up" speed.

The Red Led will light up when power is turned on.

The lock-up solenoid will turn on and the Green Led will light up when the lock-up speed is reached.

### Notes:

- The minimum lock-up speed is around 60-70 km/h, while the highest setting is around 90-100km/h.
- The Solenoid drive output is rated at 10Amps.
- The Input **must** be fused - 10Amps.
- If switched on while travelling faster than the minimum lock-up speed, (approx. 60kmh) the Trans Locker™ by Juland will lock-up the transmission immediately.

The Trans Locker™ by Juland will unlock if the road speed drops by more than 10% of the set lock-up speed.

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