

TORQUE CONVERTER LOCK UP MANUAL CONTROL KIT SUITABLE FOR:

**TOYOTA PRADO 90 / 120 SERIES
07/1996 TO 01/2003 - 4 SPEED**

A343F

1KZ-TE 3.0L DIESEL

3RZ-FE - 2.7L PETROL

5VZ-FE - 3.4L PETROL

1GR-FE - 4.0L V6 PETROL

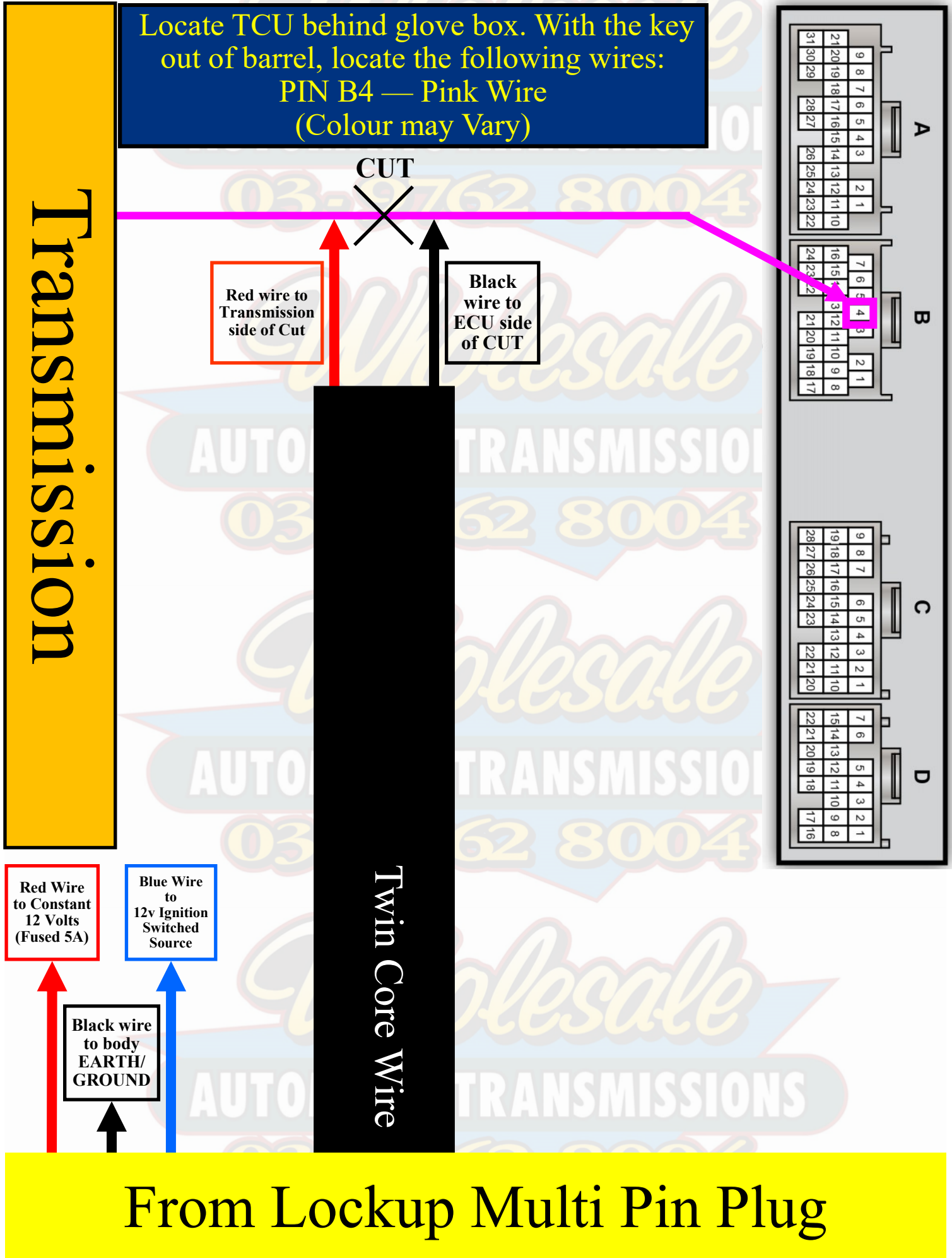


**Please read all instructions before
commencing work. If you feel
instructions are not clear, STOP
and call for advice on 03 9762 8004**

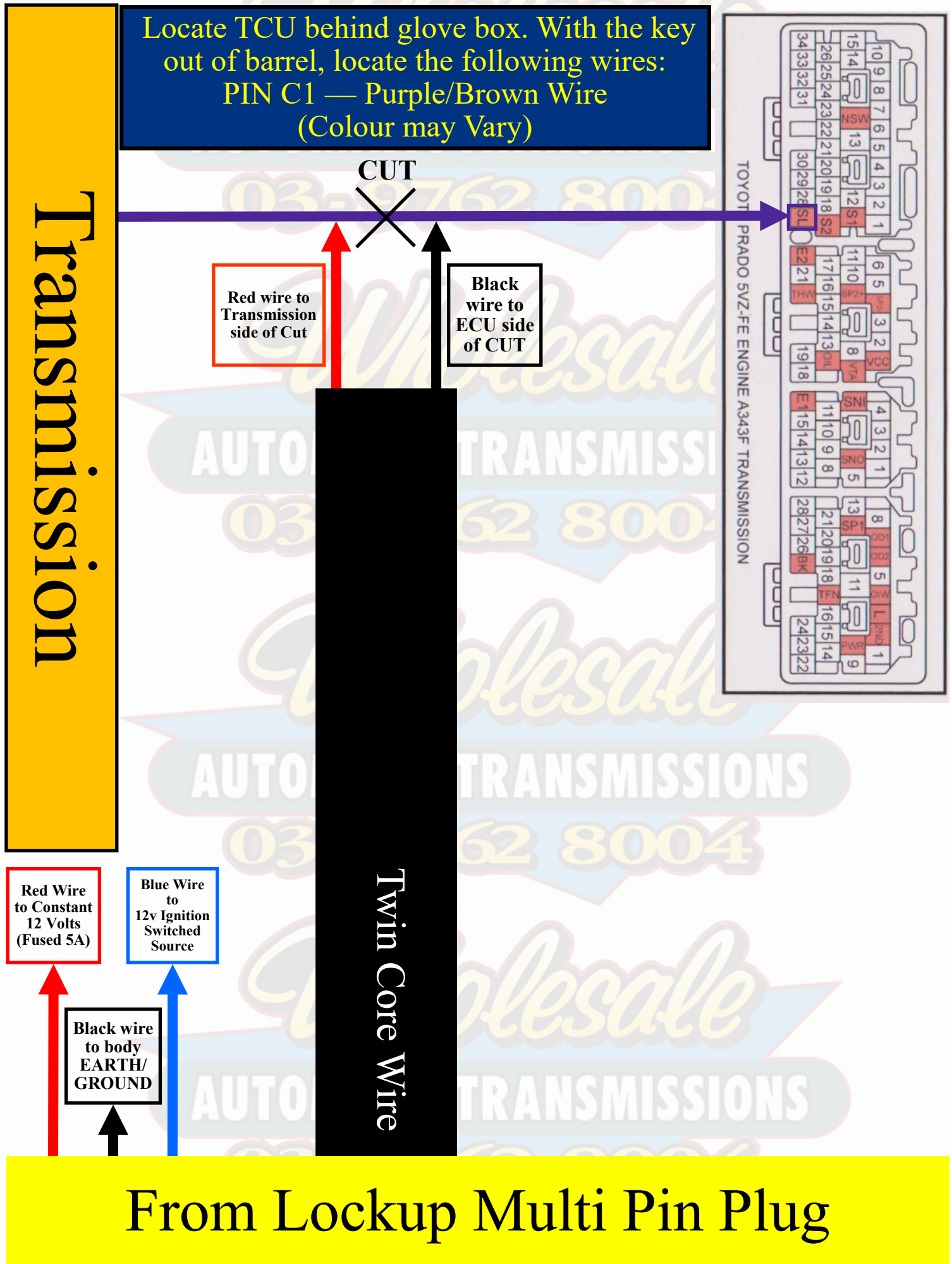
Wholesale
AUTOMATIC TRANSMISSIONS
03-9762 8004

LC80 LOOM

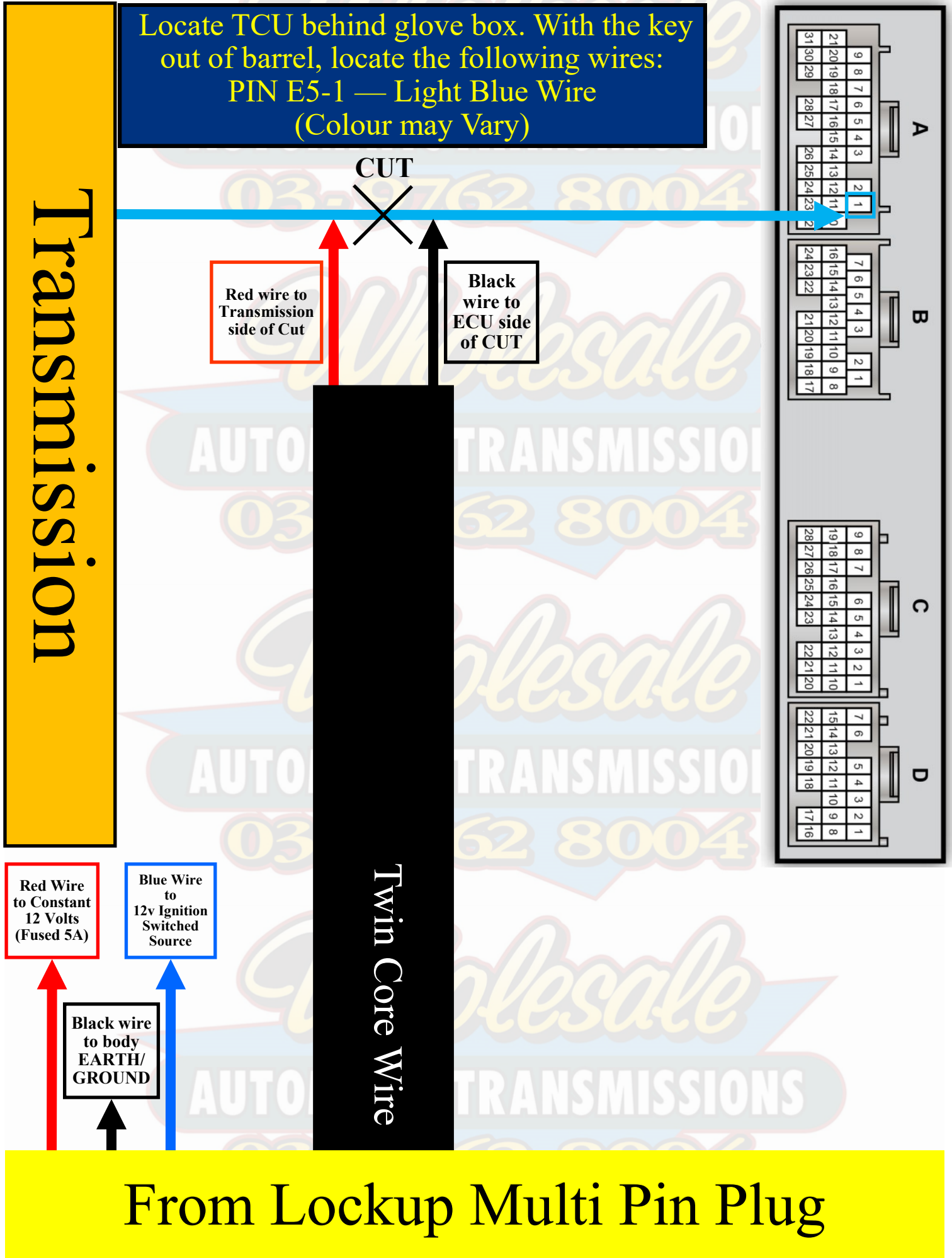
90 Series 1KZ-TE Diesel Wiring Diagram



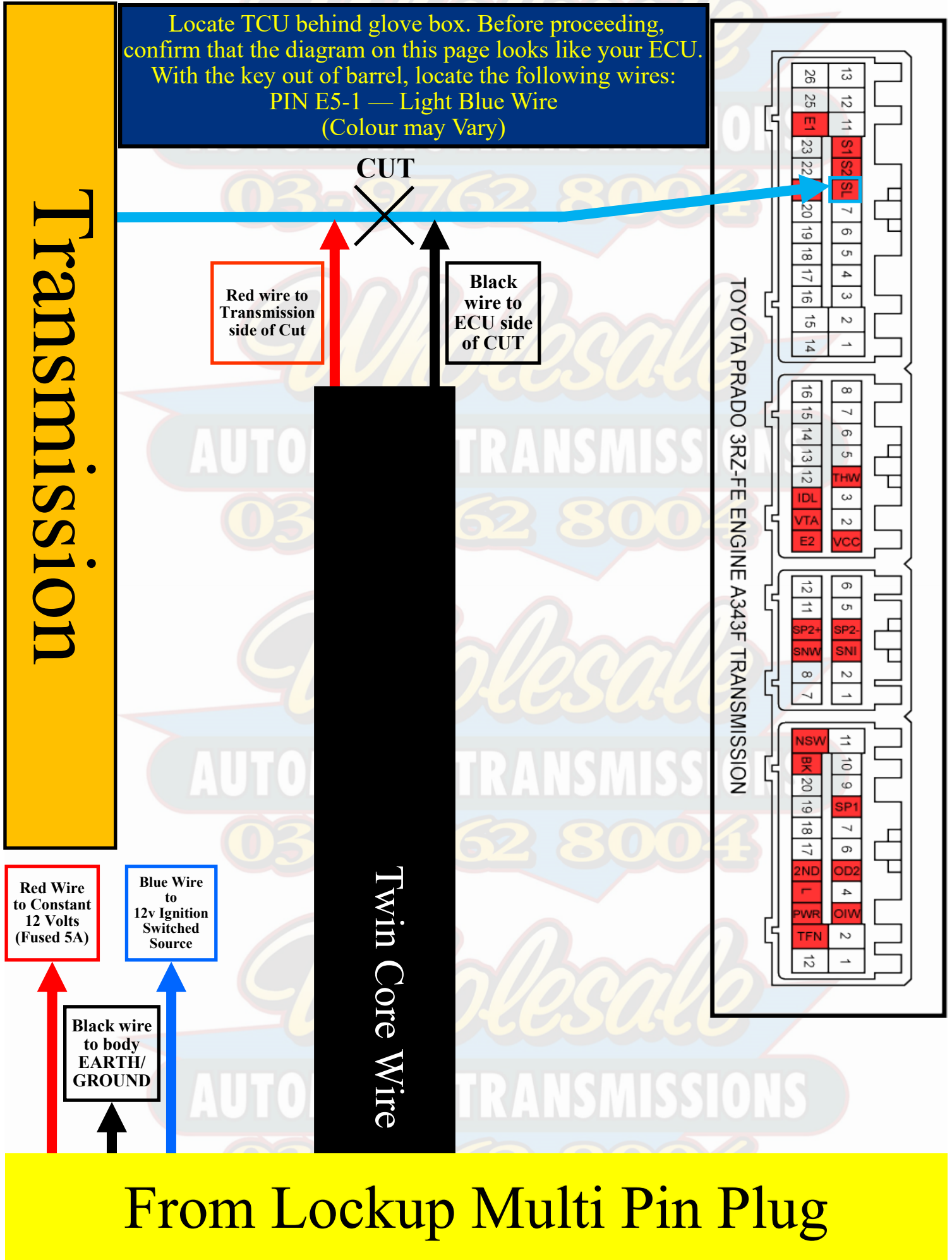
90 Series 5VZ-FE (Early) Petrol Wiring Diagram



90 Series 5VZ-FE (Late) Petrol Wiring Diagram

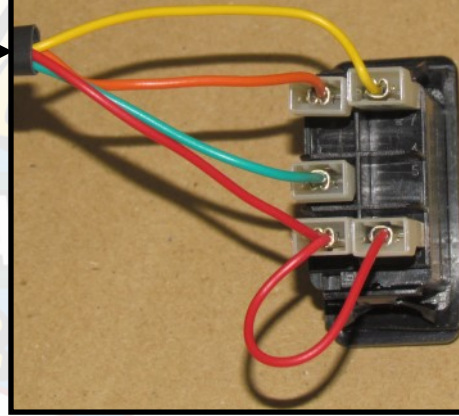


90 Series 3RZ-FE Petrol Wiring Diagram



From Multi-Pin Plug

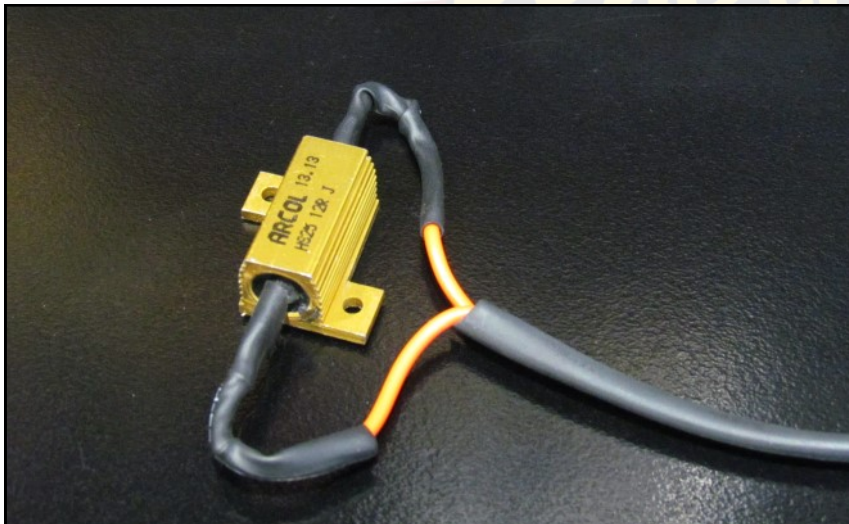
Switch Wiring



NOTE: The use of scotch locks, quick connects or other wire connection devices

MUST NOT BE USED.

All wire connections must be soldered and protected with tape or heat shrink.






This resistor gets hot. Be sure to mount on a metal surface and be sure to mount in a location that isn't in contact with plastic or wiring

Control Module Diagnostics

DO NOT USE A TEST LIGHT ON THE LOOM WHILE PLUGGED IN AND POWERED.

Beside the plug on the Control Module there is a group of lights.

Below is a table of their meanings.

Light	With Lock-Up Switch On	With Lock-Up Switch Off
	Main Relay is Engaged	No Light
	Not Used on this Kit	Not Used on this Kit
	Torque Convertor Solenoid is Engaged	Torque Convertor Solenoid is Engaged by Vehicle ECU

Switch Diagnostics

When ignition is on, the lower light on the switch will illuminate to indicate when the start-up check is complete and the system is ready for use.

Please take care when installing this unit as incorrect wiring may result in damage to the micro processor controller. Incorrect installation is not covered under warranty.

The Wiring looms are Vehicle Specific, If there are discrepancies DO NOT Install, call for Advice on 03 9762 8004



Torque Converter Lock-Up Manual Control Kit - Recommended Use

On Road:

- For Towing Only, If you are not towing then you will simply not need to use the Lock-Up Manual Control.
- Perfect for Towing where you cannot maintain enough speed for the factory lock-up to stay engaged or the extra weight has a side effect of blocking the lock-up function completely.
- The Lock-Up Manual Control can be used as an aid to improve engine braking down steep descent's while changing down through the gears manually. This can be used when towing also.

Off Road:

- The Lock-Up Manual Control can be used to gain 100% engine braking, eliminating all torque convertor runaway for steep downhill descent's in "both" low and high range.
- The Lock-Up Manual Control can also be used for beach work where the sand is firm and you are not going fast enough to have reached a speed that the factory lock-up would normally work. This would aid in keeping your transmissions temperature low and also may help with fuel economy.
- Perfect for the never-ending corrugated roads where once again you cannot maintain enough speed for the factory lock-up to be maintained. Using your Lock-Up Manual Control under these circumstances would once again prove to be the best way of keeping your transmission temperature down and aid in improving your fuel economy.

DO NOT's

- Do not use the Lock-Up Control for crawling over rough terrain
- Do not use the Lock-Up Control for uphill climbs or overtaking
- Do not use the Lock-Up Control with more than 50% throttle
- Do not use the Lock-Up Control on soft sand or mud

The use of the Lock-Up Control under these applications prevents the Torque Converter from doing it's job of multiplying the torque of the engine and from absorbing the shock from the drive train under heavy throttle.

Please remember that if you have the Lock-Up Control engaged and you come to a complete stop, the vehicle could stall. Always remember to disengage the Lock-Up Control as you are coming to a stop.

Please Contact Us:

As every situation is unique we cannot account for every circumstance you may come up with without obtaining more information from you. If you have any inquiries or wish to discuss specific circumstances the lock-up kit maybe useful for, please do not hesitate to contact Wholesale Automatics on 03- 97628004.

Factory Vehicle Warranty:

If you have any questions about how this kit will impact any factory warranty you may have please contact the vehicle manufacturer.

Wholesale Automatic Transmissions Pty Ltd

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