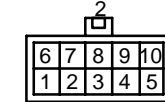
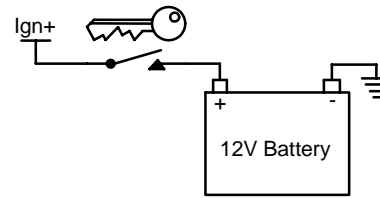


Lexus Shifter TCU Hall V 20.0

File Name: Lexus Shifter TCU Hall V 20.0

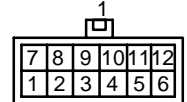
Harness Required: G13 & G06

Last Changed: 06/05/2011



Harness Pin View

1. Blue	Gearbox
2. NC	
3. Red	Gearbox
4. NC	
5. Blue	Mode LED +
6. Green	Gearbox
7. NC	
8. Yellow	Gearbox
9. Brown	+12V Relay Supply
10. Red	Lock-Up LED +

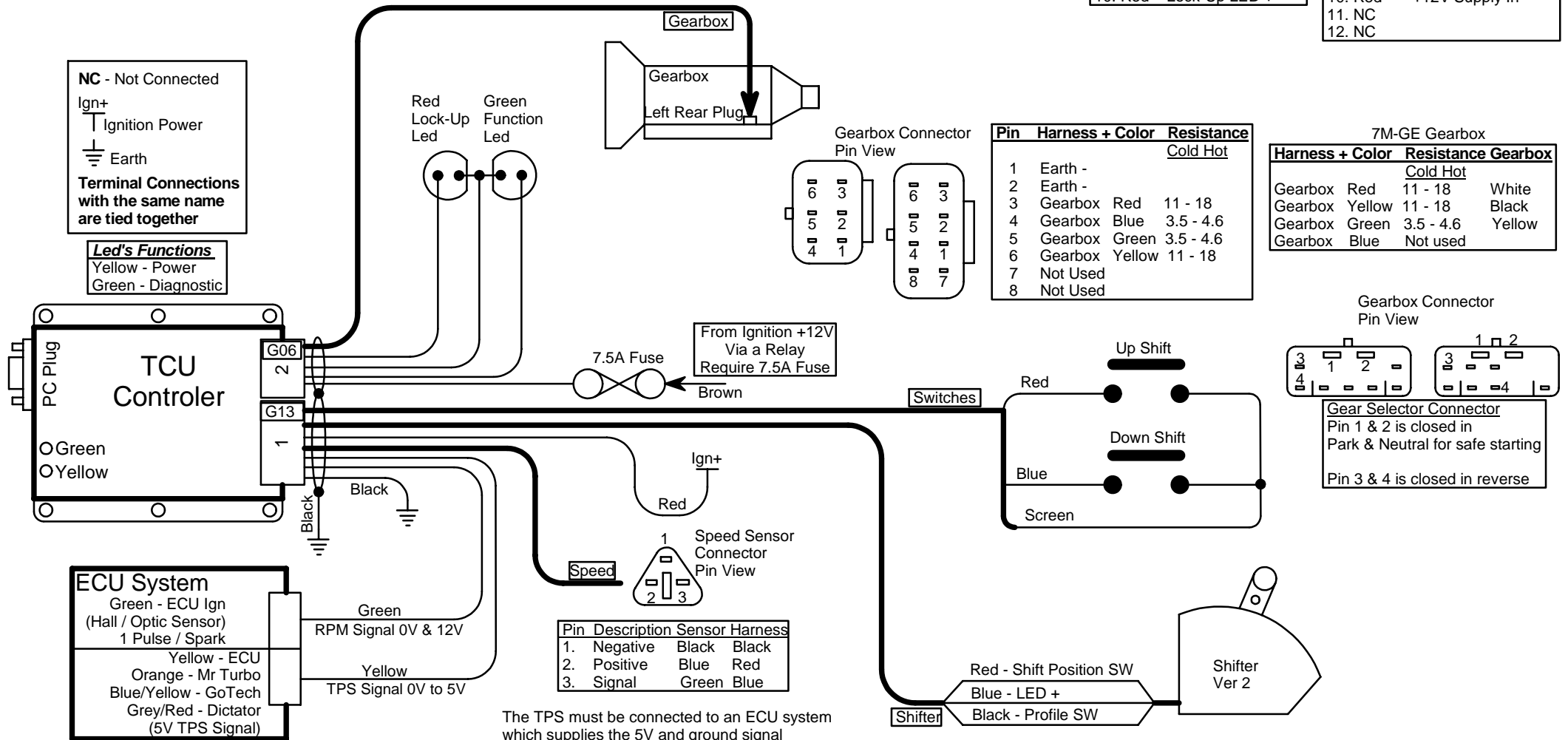


Harness Pin View

1. Blue	Down Shift Button
2. Yellow	TPS Signal 0V to 5V
3. Black	Profile SW
4. NC	
5. Blue	Speed Sensor
6. Green	RPM Pulse
7. Red	Up Shift Button
8. Red	Shifter Position SW
9. NC	+5V Out
10. Red	+12V Supply In
11. NC	
12. NC	

NC - Not Connected
 Ign+ Ignition Power
 Earth
Terminal Connections with the same name are tied together

Led's Functions
 Yellow - Power
 Green - Diagnostic

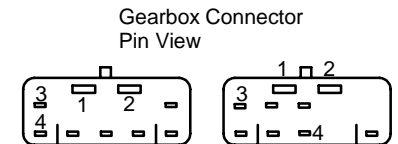


Gearbox Connector Pin View

Pin	Harness + Color	Resistance
		Cold Hot
1	Earth -	
2	Earth -	
3	Gearbox Red	11 - 18
4	Gearbox Blue	3.5 - 4.6
5	Gearbox Green	3.5 - 4.6
6	Gearbox Yellow	11 - 18
7	Not Used	
8	Not Used	

7M-GE Gearbox

Harness + Color	Resistance	Gearbox
	Cold Hot	
Gearbox Red	11 - 18	White
Gearbox Yellow	11 - 18	Black
Gearbox Green	3.5 - 4.6	Yellow
Gearbox Blue	Not used	



Gear Selector Connector
 Pin 1 & 2 is closed in Park & Neutral for safe starting
 Pin 3 & 4 is closed in reverse

ECU System
 Green - ECU Ign (Hall / Optic Sensor) 1 Pulse / Spark
 Yellow - ECU
 Orange - Mr Turbo
 Blue/Yellow - GoTech
 Grey/Red - Dictator (5V TPS Signal)

The TPS must be connected to an ECU system which supplies the 5V and ground signal