

Neptune Lexus A343

File Name: Neptune Lexus Drawing

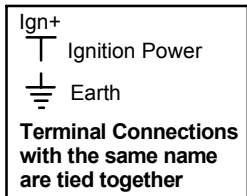
Last Changed: 27/01/2015



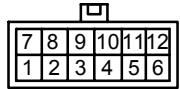
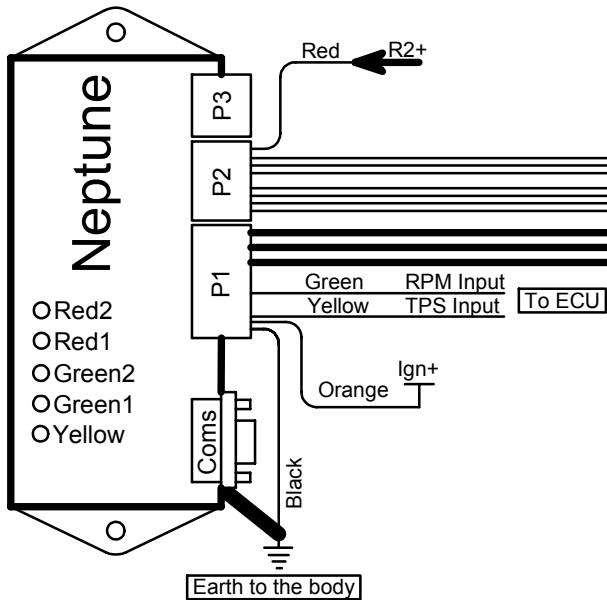
SPITRONICS™

ENGINE MANAGEMENT SYSTEMS

WWW.SPITRONICS.COM



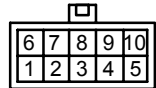
Led's Functions
Yellow - Power
Green1 - RPM Pulse
Green2 - Speed Pulse
Red1 - Reverse LED
Red2 - Profile LED



Harness Pin View

- | | |
|------------|---------------------|
| 1. Red | Down Shift Button |
| 2. Yellow | TPS Signal 0V to 5V |
| 3. Yellow | Profile Switch |
| 4. NC | |
| 5. Red | Speed Sensor + |
| 6. NC | |
| 7. Blue | Up Shift Button |
| 8. Red | Reverse / Shifter |
| 9. NC | +5V Out |
| 10. Orange | +12V Supply In |
| 11. Blue | Speed Sensor |
| 12. Green | RPM Input |

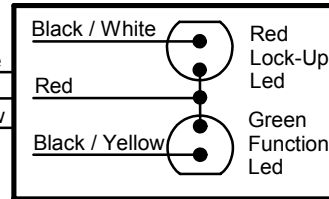
Connector Pinouts



Harness Pin View

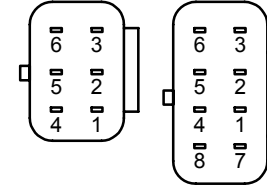
- | | |
|-----------------|---------------------|
| 1. Red / White | - Gearbox |
| 2. Red / Orange | - NC |
| 3. Red / Blue | - Gearbox |
| 4. Blue / Red | - NC |
| 5. Blue | - Mode LED + |
| 6. Red / Yellow | - Gearbox |
| 7. Red / Green | - NC |
| 8. Red / Black | - Gearbox |
| 9. Brown | - +12V Relay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

Connector Pinouts



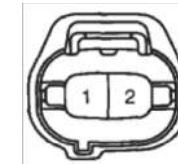
Gearbox Solenoid Connector

Gearbox Connector
Pin View



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

Magnetic Speed Sensor



Pin	Harness + Color
1	Speed Black
2	Speed Blue

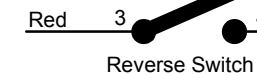
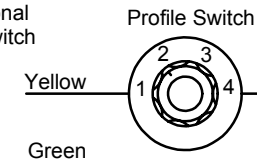
Hall Speed Sensor



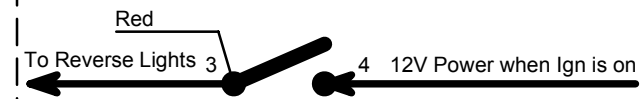
Speed Sensor
Connector
Pin View

Pin	Sensor & Harness Color
1	Black Screen/Black
2	Blue Red
3	Green Blue

NB! Optional
Profile Switch



Option 1 (Set Reverse Logic to 0V)
Connect 4 to ground - no reverse lights



Option 2 (Set Reverse Logic to 12V)
Connect 4 to 12V - and reverse lights on 3