

Neptune2 GM 4L80E Stand Alone

File Name: Neptune2 GM 4L80E Drawing

Last Changed: 10/07/2017

Harness Required: NTSX1/2, CON1

Ign+

Ignition Power

Earth

Terminal Connections with the same name are tied together

Led's Functions

Yellow - Power

Green1 - RPM Pulse

Green2 - Speed Pulse

Red1 - Reverse LED

Red2 - Profile LED

Neptune2

P2

P1

P3

Yellow

Green

Red

Black

Orange

Ign+

Retart

GP1 Out

Speedo Out

Jumper Settings

J1J2J3J4

For Magnetic Speed Pickup

P1

7 8 9 10 11 12

1 2 3 4 5 6

Harness Pin View

1. Yellow - Low Range Input

2. Blue - TPS Signal

3. Red - Profile Switch

4. Black - TPS Ground

5. Red - Speed Sensor +

6. Red - Crank Sensor +

7. Green - Oil Temp Sensor

8. Blue - Shift

9. Red - +5V Out

10. Orange - +12V Supply In

11. Blue - Speed Signal

12. Blue - Crank Signal

P2

6 7 8 9 10

1 2 3 4 5

Harness Pin View

1. Red / White - Gearbox

2. Red / Orange - GP1

3. Red / Blue - Gearbox

4. Blue / Red - GP2

5. Blue - Relay

6. Red / Yellow - Gearbox

7. Red / Green - Speed Out

8. Red / Black - Gearbox

9. Red - +12V Relay Supply

10. Green - Retart

P3

4 5 6

1 2 3

Harness Pin View

1. Red - Second Start / Down Switch

2. Green - Transmit

3. Black - Ground

4. Blue - Overdrive / Up Switch

5. Yellow - Receive

6. Red - +5V

Relay

85 87 86 30

To Batt +

Blue

Red

Orange

CON1 PCB

Shift

Black

Blue

Green

Green

Blue

White

Speed/Oil

Green

White

Red

Blue

Throttle Position Sensor

TPS

Black

Blue

Red +5V

Close

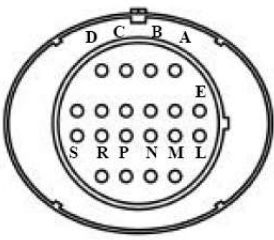
Open

Option 1: For Hall Sensor Wiring

Option 2: For Magnetic Sensor Wiring

Gearbox Connector

NB! Gearbox Plug Pin View



EARLY

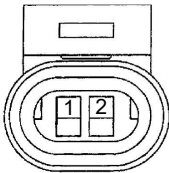
LATE

Pin		Harness	Spits Color	Connector	Resistance	
					Cold	Hot
A	A	Gearbox	Red/Blue	P2	20	40
B	B	Gearbox	Red/Black	P2	20	40
C&K	E	Earth	Black			
D	N	CON1	White	P1		
E	R	CON1	Blue	P1		
F	P	CON1	Green	P1		
G	M	Speed/Oil	Green	P1		
H	L	Speed/Oil	White	P1		
J	S	Gearbox	Red/Yellow	P2	11	17
L	D	Earth	Black			
M	C	Gearbox	Red/White	P2	3.5	4.6

Speed Sensor

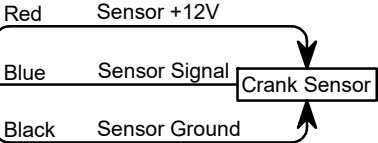
NB! Harness Plug Pin View

Pin	Harness + Color
1	Speed Red
2	Speed Blue



Crank Sensor

Hall Pickup

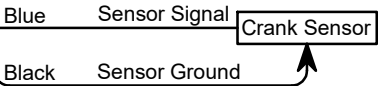


Jumper Settings

J1J2J3J4

For Magnetic Speed Pickup

Magnetic Pickup



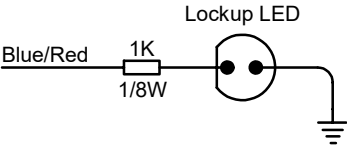
Jumper Settings

J1J2J3J4

For Magnetic Speed Pickup

GM 4L80E Info

LED's



NB! Resistors are only for when wiring 3V LED's

Retart

Green - Retart Output ECU POT input

Mercury2
Blue - Pin 5 - P4

Saturn - Pluto2
Green - Pin 4 - P3

Buttons

