

Neptune2 ZF 4HP22-24

File Name: Neptune2 ZF 4HP22-24 Drawing

Last Changed: 11/09/2017

Harness Required: NTWX1/2

Ign+
T Ignition Power

Earth

Terminal Connections
with the same name
are tied together

Led's Functions

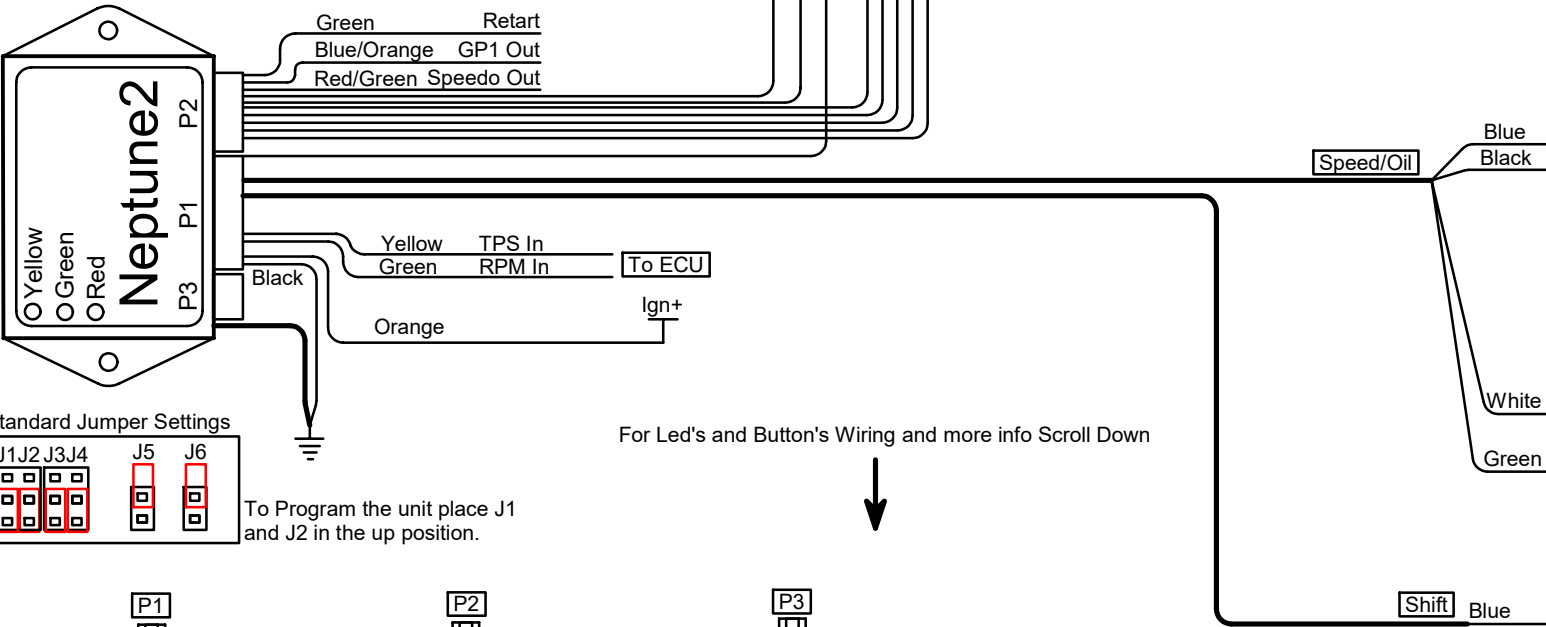
Yellow - Power

Green1 - RPM Pulse

Green2 - Speed Pulse

Red1 - Reverse LED

Red2 - Profile LED



Standard Jumper Settings

J1 J2 J3 J4 J5 J6

To Program the unit place J1 and J2 in the up position.

P1

7 8 9 10 11 12

1 2 3 4 5 6

Harness Pin View

1. Yellow - Low Range

2. Yellow - TPS Signal

3. Red - Profile Switch

4. NC

5. Red - Speed Sensor +

6. NC

7. Green - Oil Temp Sensor

8. Blue - Shift

9. NC +5V Out

10. Orange +12V Supply In

11. Blue Speed Signal

12. Green RPM Input

P2

6 7 8 9 10

1 2 3 4 5

Harness Pin View

1. Red / White - Gearbox

2. Red / Orange - Gearbox

3. Red / Blue - Gearbox

4. Blue / Red - GP2 / Lockup LED

5. Blue - Relay

6. Red / Yellow - Gearbox

7. Red / Green - Speed Out

8. Red / Black - Gearbox

9. Red - +12V Relay Supply

10. Green - GP1 / Retard

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

Gearbox Connector

Gearbox Connector
Pin View

Pin	Harness	Color	Connector	Resistance	
				Cold	Hot
F	Speed/Oil	Blue	P1		
E	Speed/Oil	Black	P1		
D	Gearbox	Red/Orange	P2	25	46
M	Earth	Black			
L	Gearbox	Red/Yellow	P2	25	46
K	Gearbox	Red/Black	P2	25	46
H	Gearbox	Red/Blue	P2	25	46
B	Gearbox	Red/White	P2	1.8	4.6

Oil Temp Sensor

Gearbox Selector Switch

Option 1

(Set Reverse Logic to 0V)

Blue 3 4

Reverse Switch

Earth

Option 2

(Set Reverse Logic to 12V)

Blue

To Reverse Lights 3 4 12V Power when Ign is on

Reverse Switch

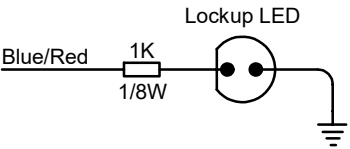
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LED's



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

Retard

P2 - Pin 10 Green - Retard Output ECU POT input

Mercury2
Blue - P4 - Pin 5

Saturn - Pluto2
Green - P3 - Pin 4

Tiptronic Buttons

