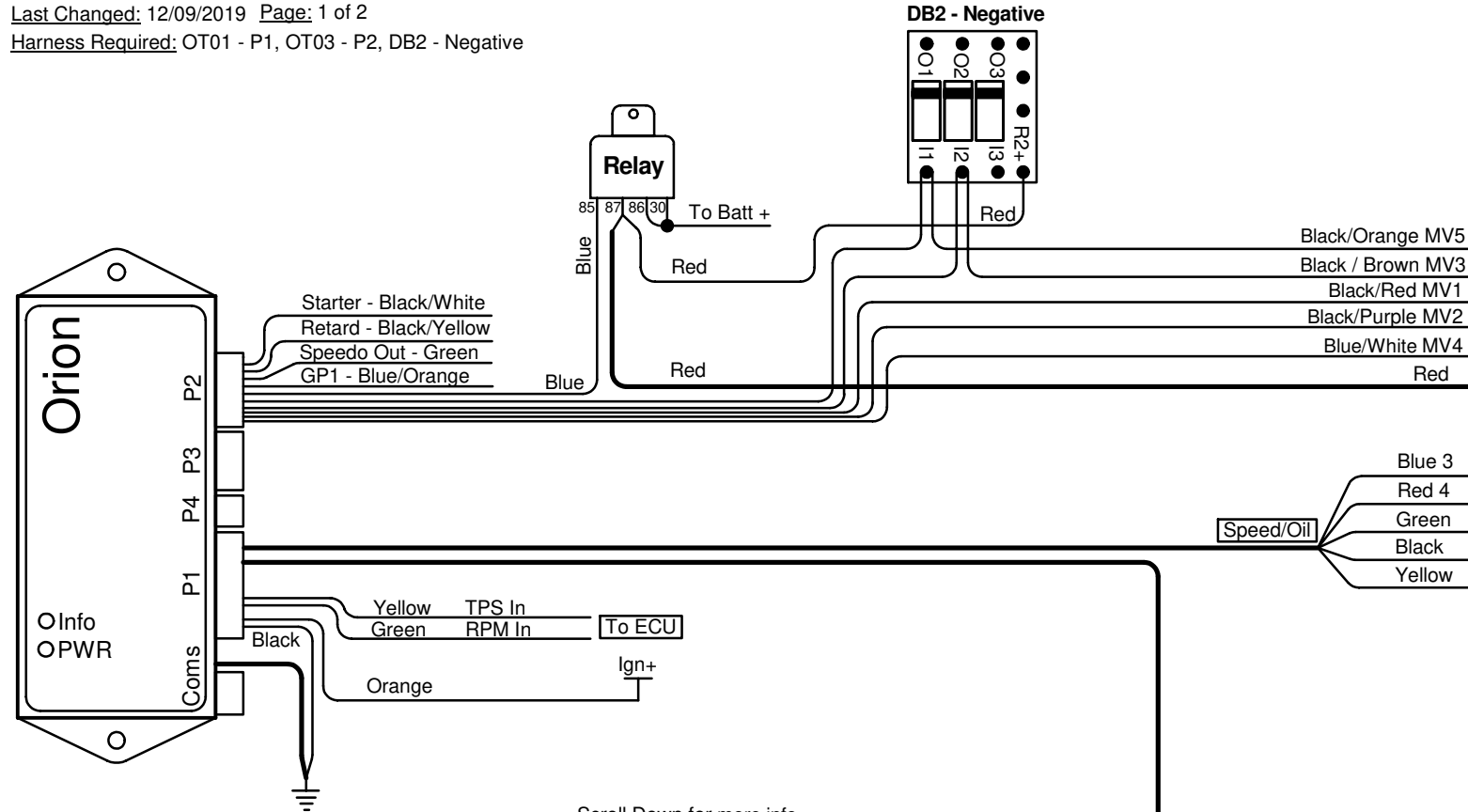


# ZF 4HP22-24 4Spd 5Sol

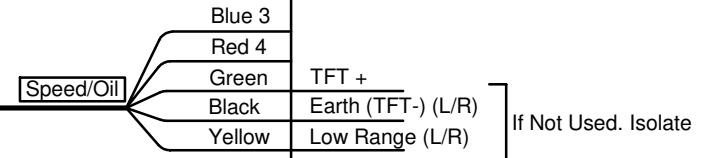
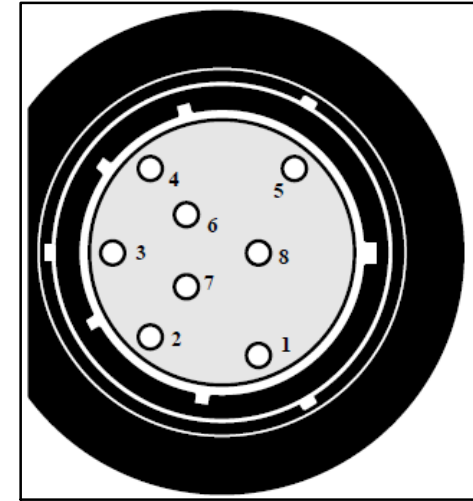
Last Changed: 12/09/2019 Page: 1 of 2

Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



Gearbox Connector

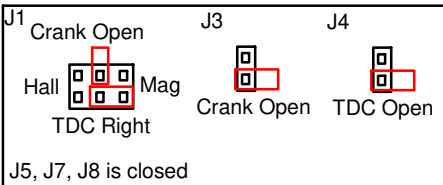
NB! Looking into Case Conector



Note! Pin 2 is not used on 4 Sol transmission

4HP24	Harness Color	Resistance
		Cold-Hot
5 MV1	Gearbox Black/Red	Shift 1 30 - 34 Ohm
8 MV2	Gearbox Black/Purple	Shift2 30 - 34 Ohm
2 MV4	Gearbox Blue/White	Rev L 30 - 34 Ohm
7 MV3	Gearbox Black/Brown	Lockup 25 - 46 Ohm
1 MV5	Gearbox Black/Orange	Line Press 2.5 - 6.5 Ohm
3 OSD	Speed/Oil Blue	Magnetic Speed Sensor 265 Ohm
4 OSD	Speed/Oil Red	Magnetic Speed Sensor
6 PWR	Red	+12Volt to Solenoids

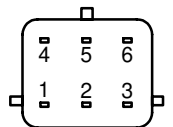
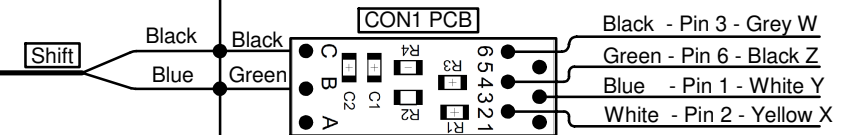
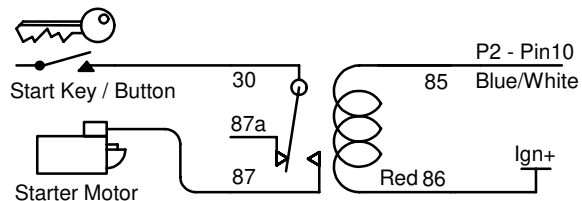
Jumper Settings - See Manual for Location



Scroll Down for more info

Option 2

Orion Starter Lock out if Shifter switch is installed

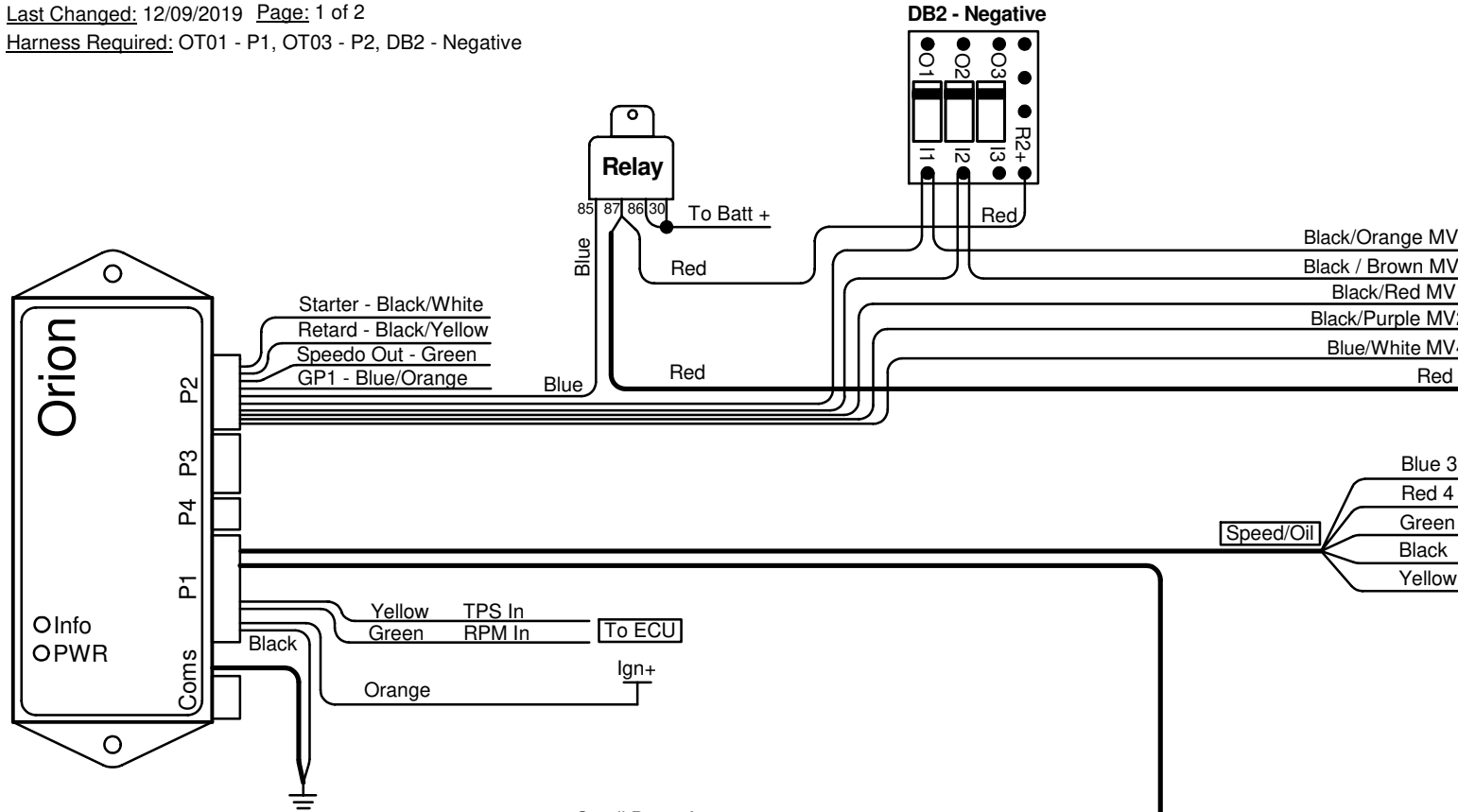


Shifter Connector

# ZF 4HP22-24 4Spd 5Sol

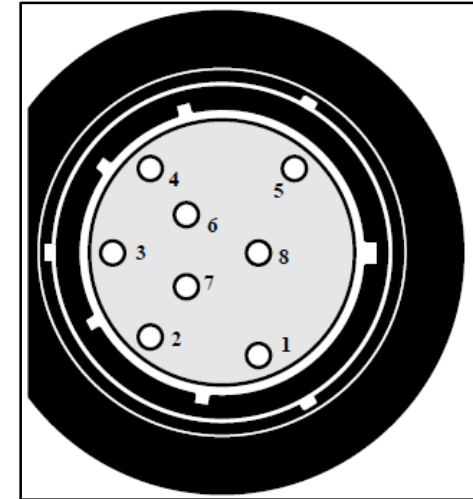
Last Changed: 12/09/2019 Page: 1 of 2

Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative

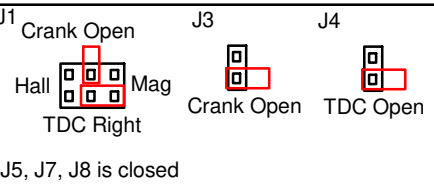


Gearbox Connector

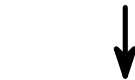
NB! Looking into Case Conector



Jumper Settings - See Manual for Location

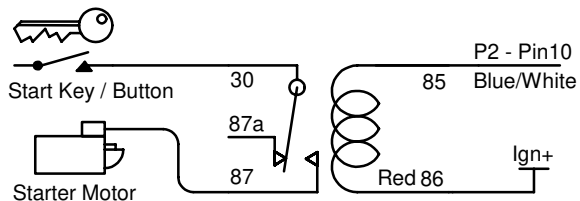


Scroll Down for more info



Option 2

Orion Starter Lock out if Shifter switch is installed



Speed/Oil

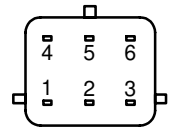
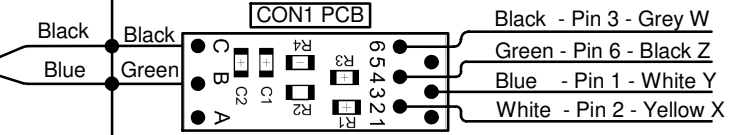
- Blue 3
- Red 4
- Green TFT +
- Black Earth (TFT-) (L/R)
- Yellow Low Range (L/R)

If Not Used. Isolate

Note! Pin 2 is not used NB on 4 Sol transmission

4HP24	Harness Color	Resistance
		Cold-Hot
5 MV1	Gearbox Black/Red	Shift 1 30 - 34 Ohm
8 MV2	Gearbox Black/Purple	Shift2 30 - 34 Ohm
2 MV4	Gearbox Blue/White	Rev L 30 - 34 Ohm
7 MV3	Gearbox Black/Brown	Lockup 25 - 46 Ohm
1 MV5	Gearbox Black/Orange	Line Press 2.5 - 6.5 Ohm
3 OSD	Speed/Oil Blue	Magnetic Speed Sensor 265 Ohm
4 OSD	Speed/Oil Red	Magnetic Speed Sensor
6 PWR	Red	+12Volt to Solenoids

Shift

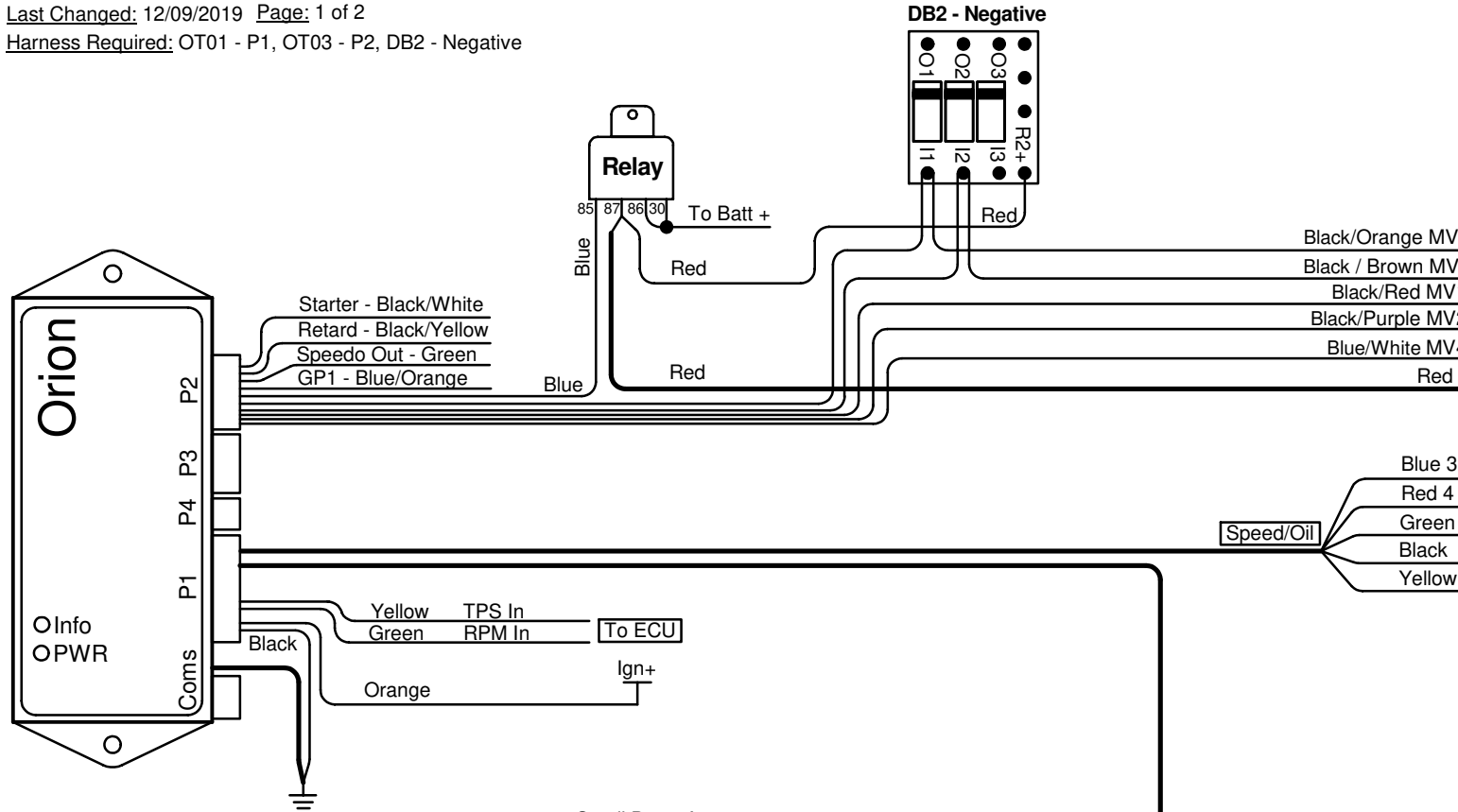


Shifter Connector

# ZF 4HP22-24 4Spd 5Sol

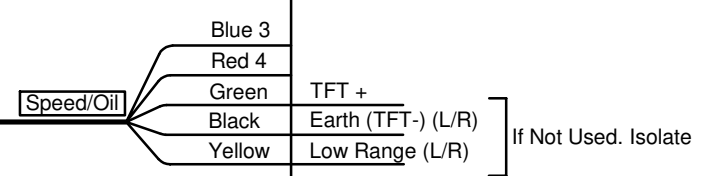
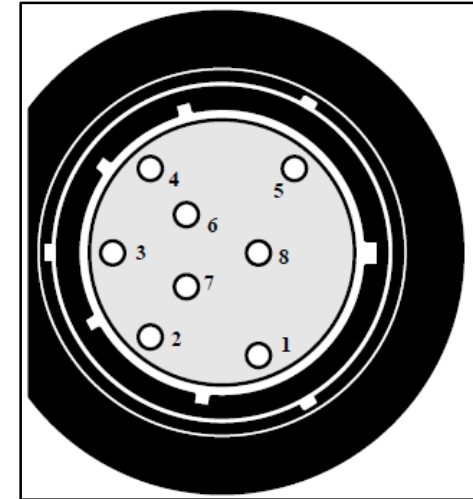
Last Changed: 12/09/2019 Page: 1 of 2

Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



Gearbox Connector

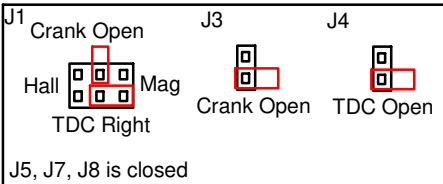
NB! Looking into Case Conector



Note! Pin 2 is not used NB on 4 Sol transmission

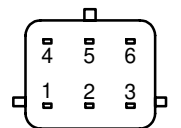
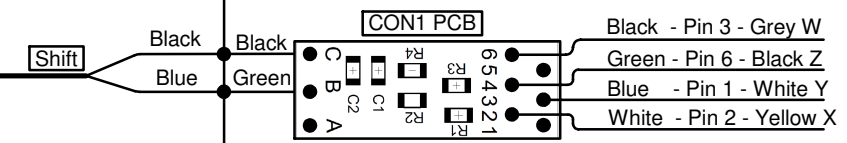
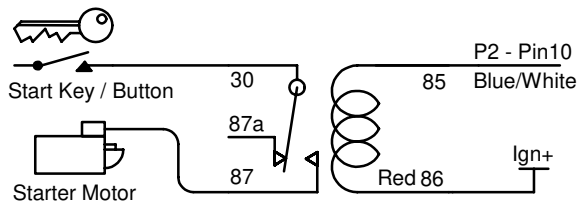
4HP24	Harness Color	Resistance
5 MV1	Gearbox Black/Red	Shift 1 30 - 34 Ohm
8 MV2	Gearbox Black/Purple	Shift2 30 - 34 Ohm
2 MV4	Gearbox Blue/White	Rev L 30 - 34 Ohm
7 MV3	Gearbox Black/Brown	Lockup 25 - 46 Ohm
1 MV5	Gearbox Black/Orange	Line Press 2.5 - 6.5 Ohm
3 OSD	Speed/Oil Blue	Magnetic Speed Sensor 265 Ohm
4 OSD	Speed/Oil Red	Magnetic Speed Sensor
6 PWR	Red	+12Volt to Solenoids

Jumper Settings - See Manual for Location



Scroll Down for more info

Option 2  
Orion Starter Lock out if Shifter switch is installed

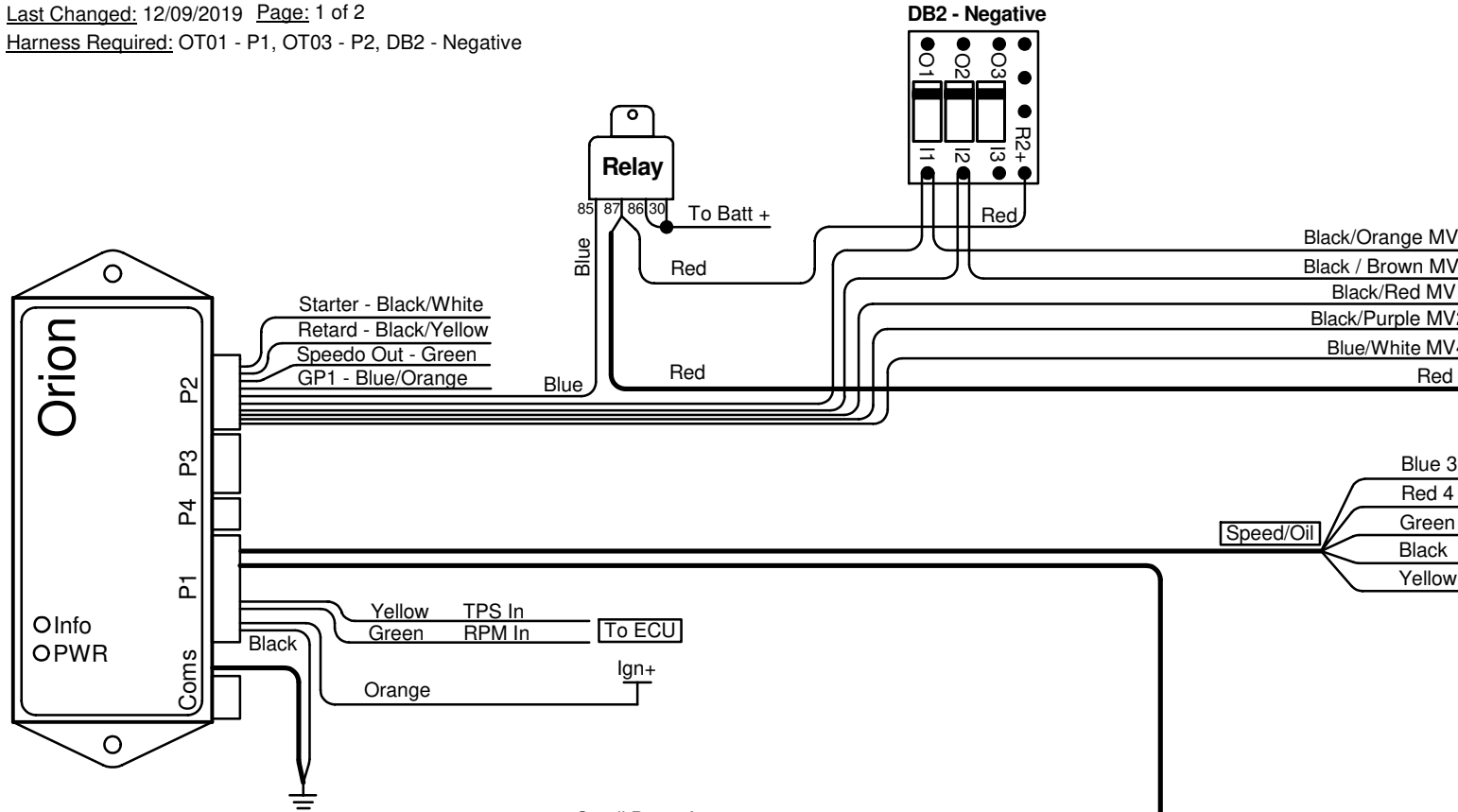


Shifter Connector

# ZF 4HP22-24 4Spd 5Sol

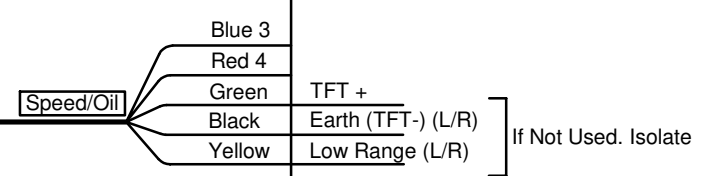
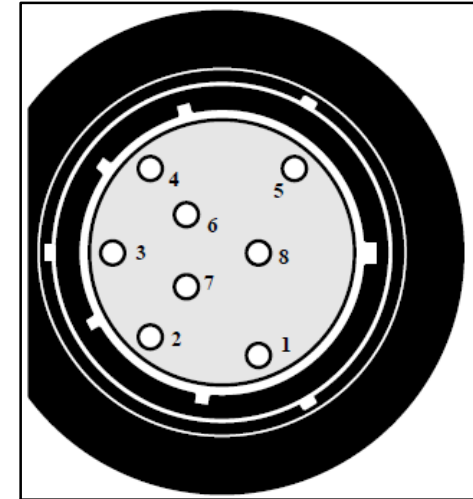
Last Changed: 12/09/2019 Page: 1 of 2

Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



Gearbox Connector

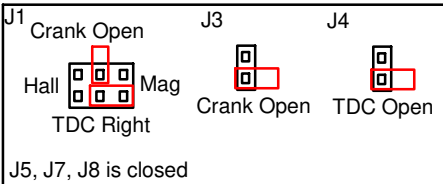
NB! Looking into Case Conector



Note! Pin 2 is not used NB on 4 Sol transmission

4HP24	Harness Color	Resistance
5 MV1	Gearbox Black/Red	Shift 1 30 - 34 Ohm
8 MV2	Gearbox Black/Purple	Shift2 30 - 34 Ohm
2 MV4	Gearbox Blue/White	Rev L 30 - 34 Ohm
7 MV3	Gearbox Black/Brown	Lockup 25 - 46 Ohm
1 MV5	Gearbox Black/Orange	Line Press 2.5 - 6.5 Ohm
3 OSD	Speed/Oil Blue	Magnetic Speed Sensor 265 Ohm
4 OSD	Speed/Oil Red	Magnetic Speed Sensor
6 PWR	Red	+12Volt to Solenoids

Jumper Settings - See Manual for Location

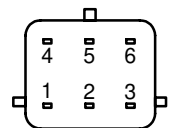
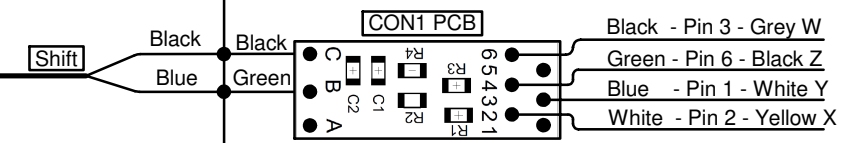
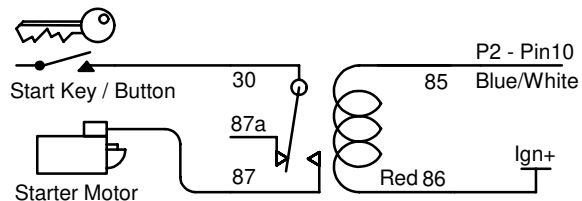


Scroll Down for more info



Option 2

Orion Starter Lock out if Shifter switch is installed

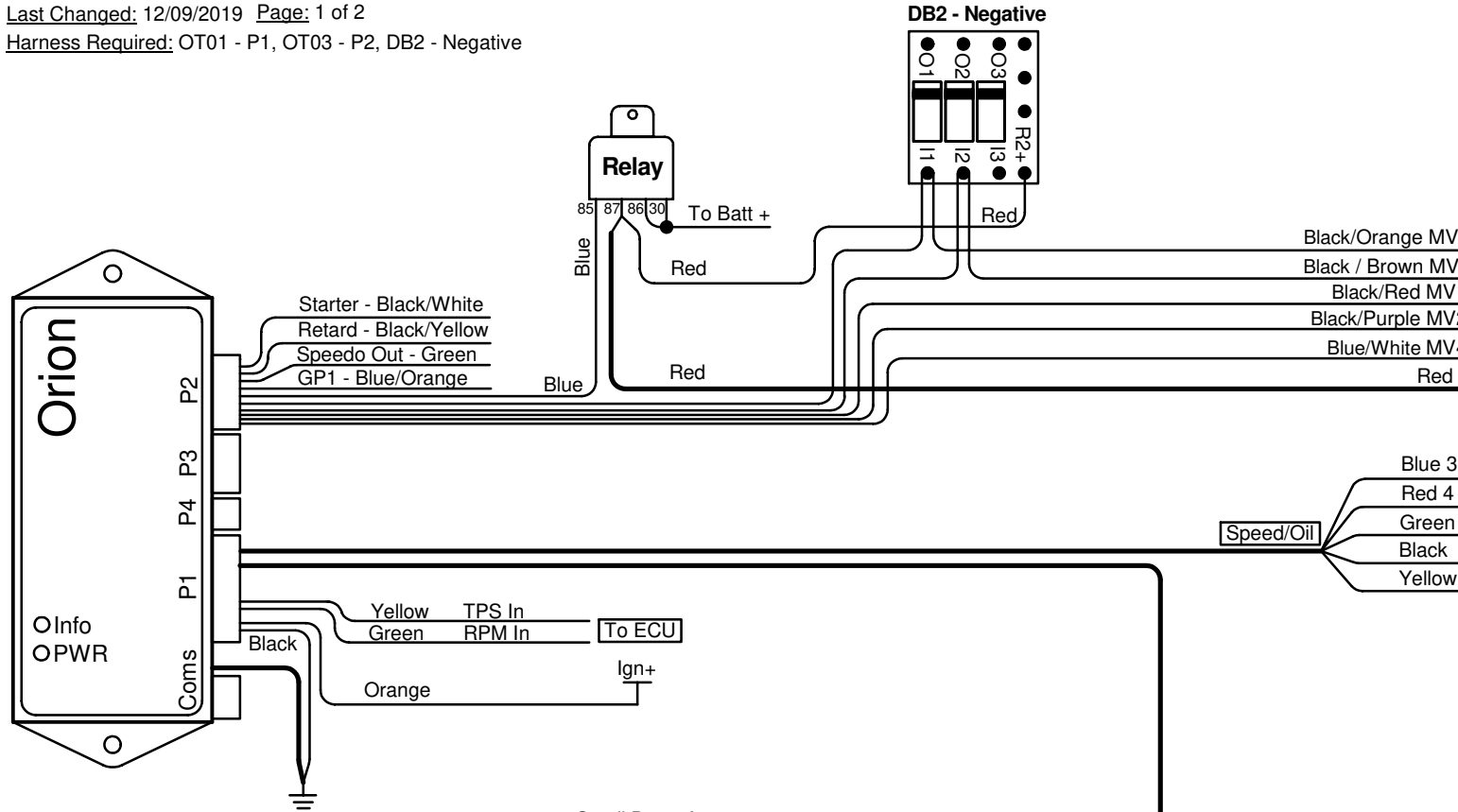


Shifter Connector

# ZF 4HP22-24 4Spd 5Sol

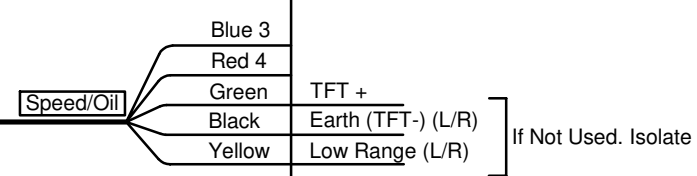
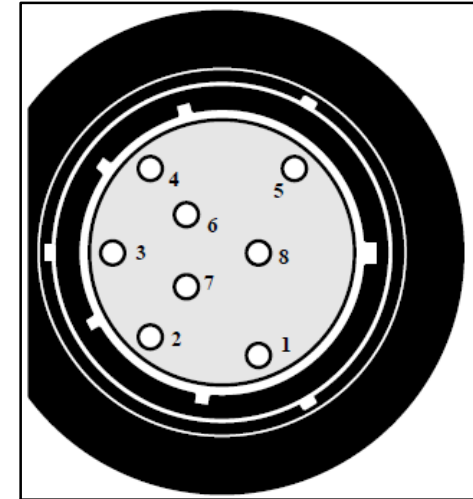
Last Changed: 12/09/2019 Page: 1 of 2

Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



Gearbox Connector

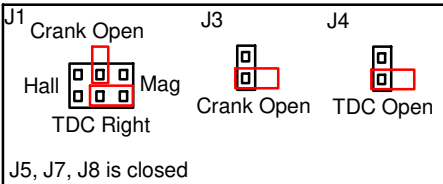
NB! Looking into Case Conector



Note! Pin 2 is not used NB on 4 Sol transmission

4HP24	Harness Color	Resistance
		Cold-Hot
5	MV1 Gearbox Black/Red	Shift 1 30 - 34 Ohm
8	MV2 Gearbox Black/Purple	Shift2 30 - 34 Ohm
2	MV4 Gearbox Blue/White	Rev L 30 - 34 Ohm
7	MV3 Gearbox Black/Brown	Lockup 25 - 46 Ohm
1	MV5 Gearbox Black/Orange	Line Press 2.5 - 6.5 Ohm
3	OSD Speed/Oil Blue	Magnetic Speed Sensor 265 Ohm
4	OSD Speed/Oil Red	Magnetic Speed Sensor
6	PWR Red	+12Volt to Solenoids

Jumper Settings - See Manual for Location

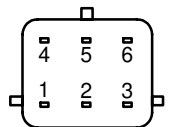
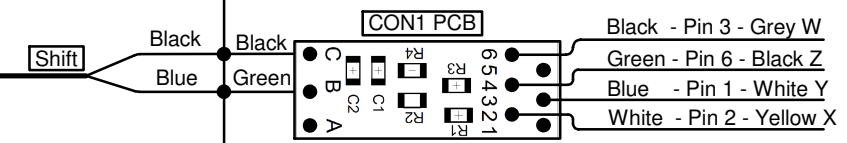
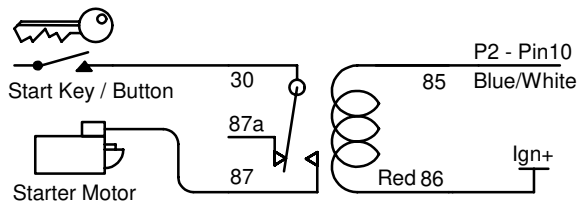


Scroll Down for more info



Option 2

Orion Starter Lock out if Shifter switch is installed

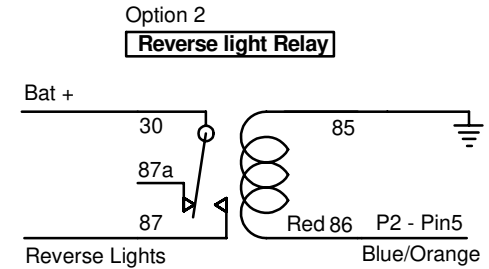
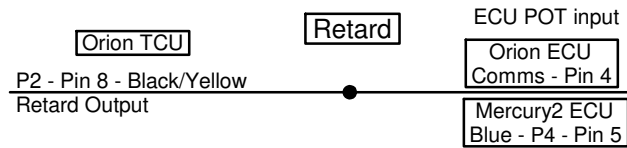


Shifter Connector

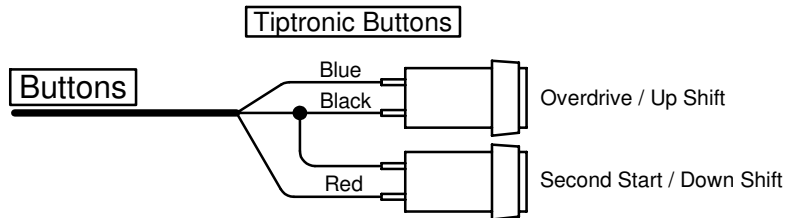
# ZF 4HP22-24 4Spd 5Sol

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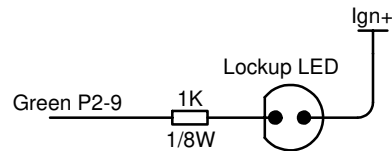
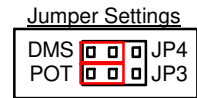
Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



Note this feature share the GP1 output. Put the GP1 output off in software to use it.

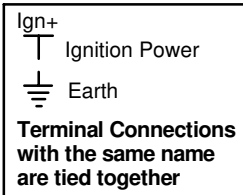


Note this feature requires the OT20 Harness. Ensure that the jumper settings is corect for it.

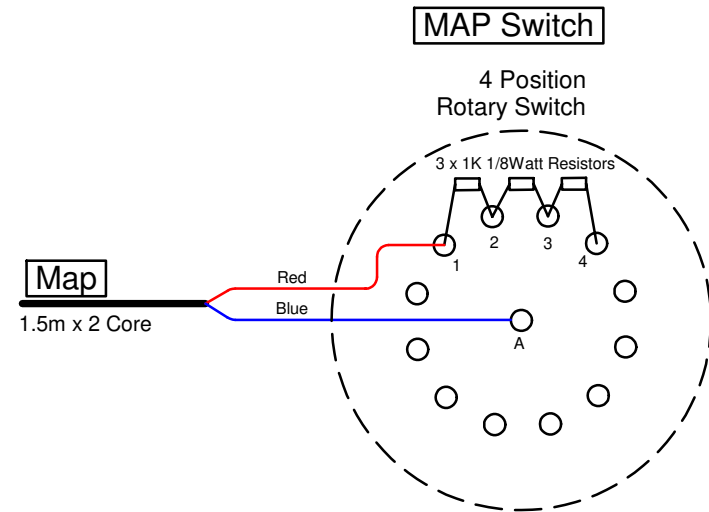


NB! Resistors are requierd LED's

Note this feature share the Speed output. Put the Speed output off in software to use it.



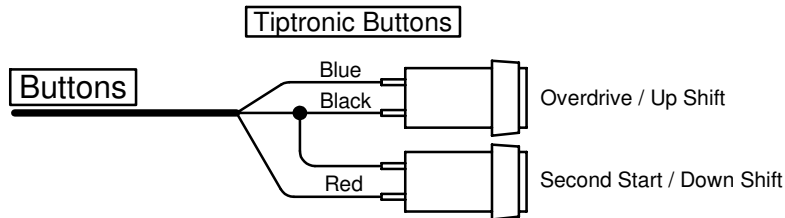
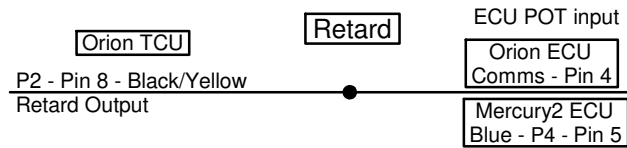
Note: Harnesses pin-outs and colours are layed out on the GP Priority Sheet



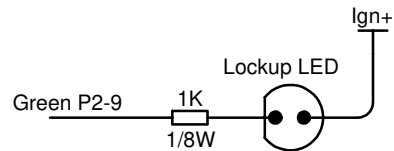
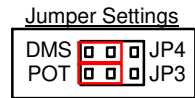
# ZF 4HP22-24 4Spd 5Sol

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Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative

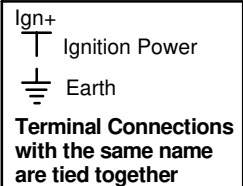


Note this feature requires the OT20 Harness. Ensure that the jumper settings is corect for it.

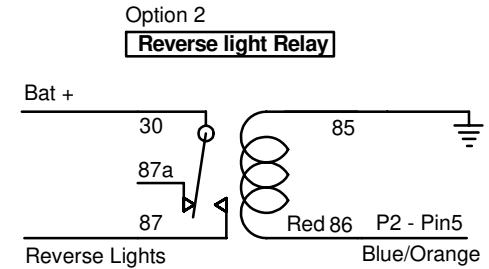


NB! Resistors are requierd LED's

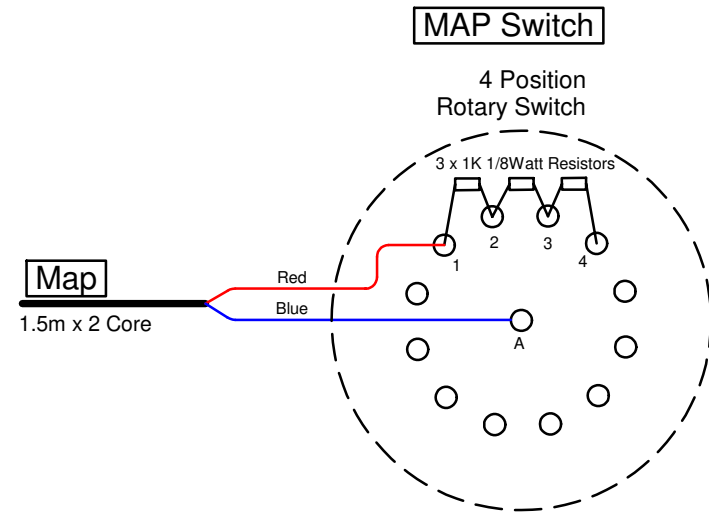
Note this feature share the Speed output. Put the Speed output off in software to use it.



**Note:** Harnesses pin-outs and colours are layed out on the GP Priority Sheet



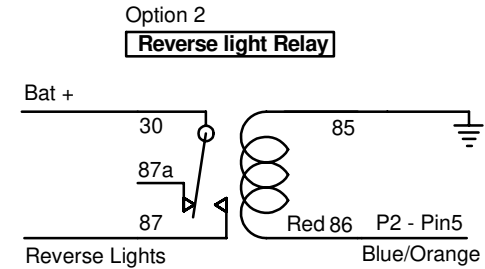
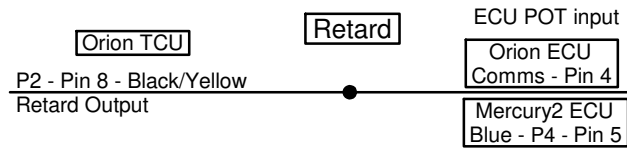
Note this feature share the GP1 output. Put the GP1 output off in software to use it.



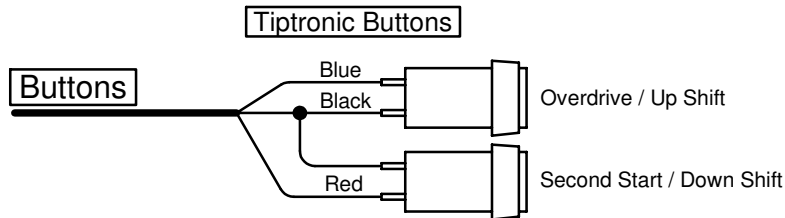
# ZF 4HP22-24 4Spd 5Sol

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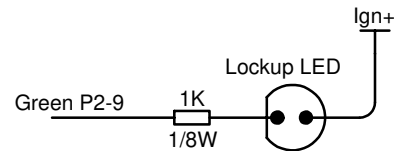
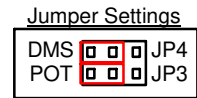
Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



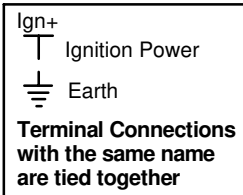
Note this feature share the GP1 output. Put the GP1 output off in software to use it.



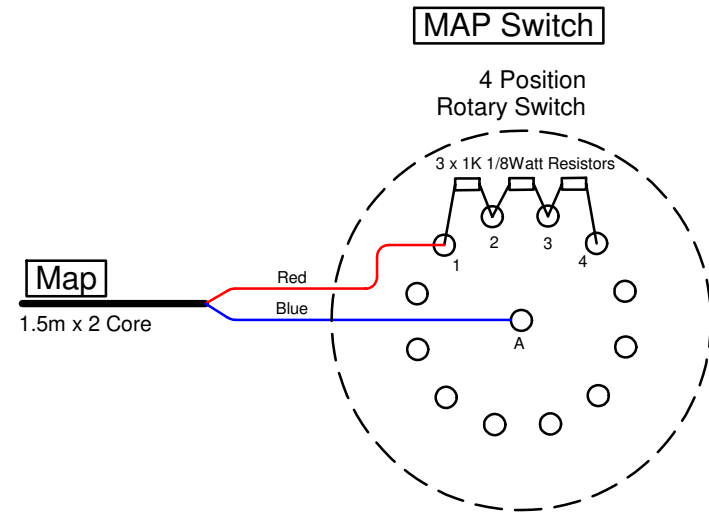
Note this feature requires the OT20 Harness. Ensure that the jumper settings is corect for it.



NB! Resistors are requierd LED's  
Note this feature share the Speed output. Put the Speed output off in software to use it.



Note: Harnesses pin-outs and colours are layed out on the GP Priority Sheet

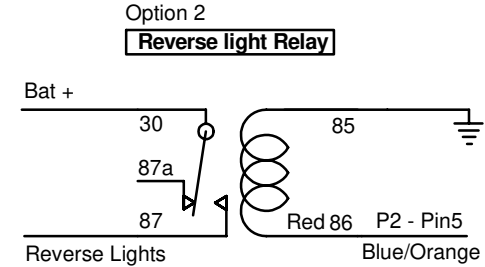
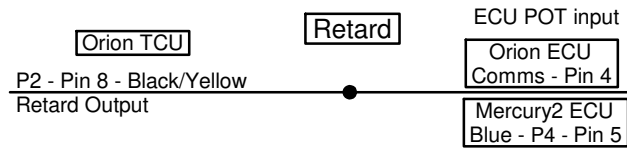




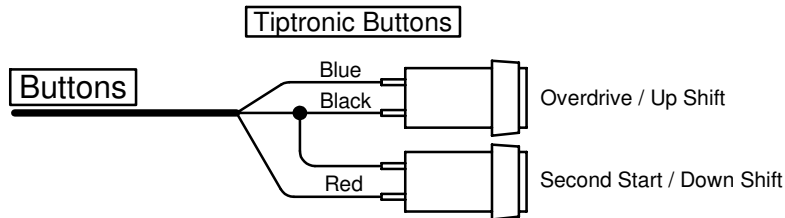
# ZF 4HP22-24 4Spd 5Sol

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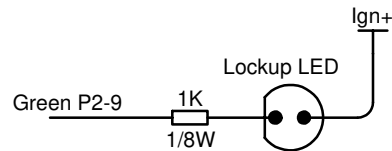
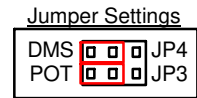
Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



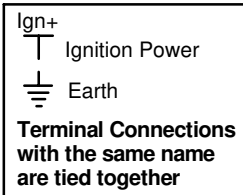
Note this feature share the GP1 output. Put the GP1 output off in software to use it.



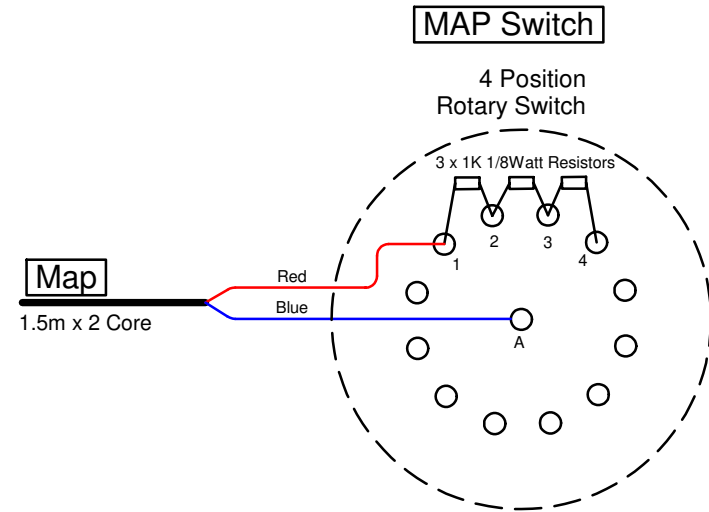
Note this feature requires the OT20 Harness. Ensure that the jumper settings is corect for it.



NB! Resistors are requierd LED's  
Note this feature share the Speed output. Put the Speed output off in software to use it.



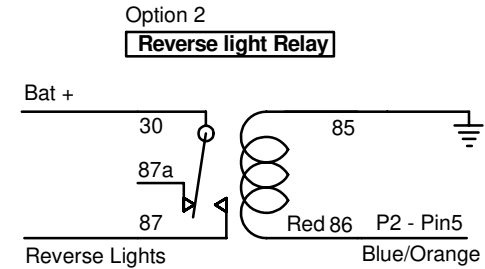
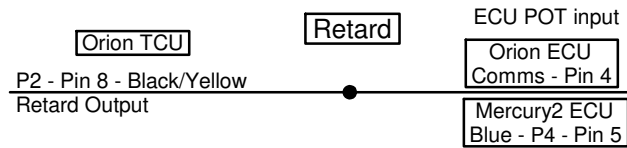
Note: Harnesses pin-outs and colours are layed out on the GP Priority Sheet



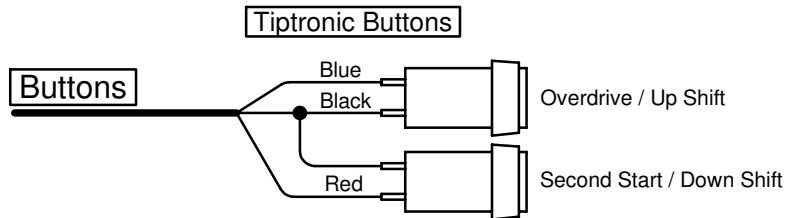
# ZF 4HP22-24 4Spd 5Sol

Last Changed: 12/09/2019 Page: 2 of 2

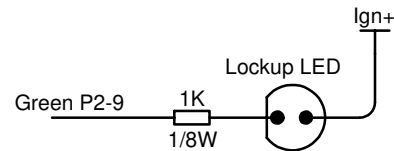
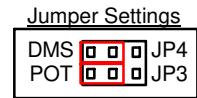
Harness Required: OT01 - P1, OT03 - P2, DB2 - Negative



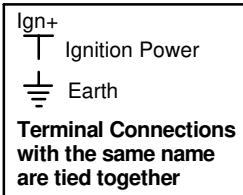
Note this feature share the GP1 output. Put the GP1 output off in software to use it.



Note this feature requires the OT20 Harness. Ensure that the jumper settings is corect for it.



NB! Resistors are requierd LED's  
Note this feature share the Speed output. Put the Speed output off in software to use it.



Note: Harnesses pin-outs and colours are layed out on the GP Priority Sheet

