



2013-2022 2T RR ,Race Edition and X Trainer Wiring Diagrams

CONFIDENTIALITY NOTICE

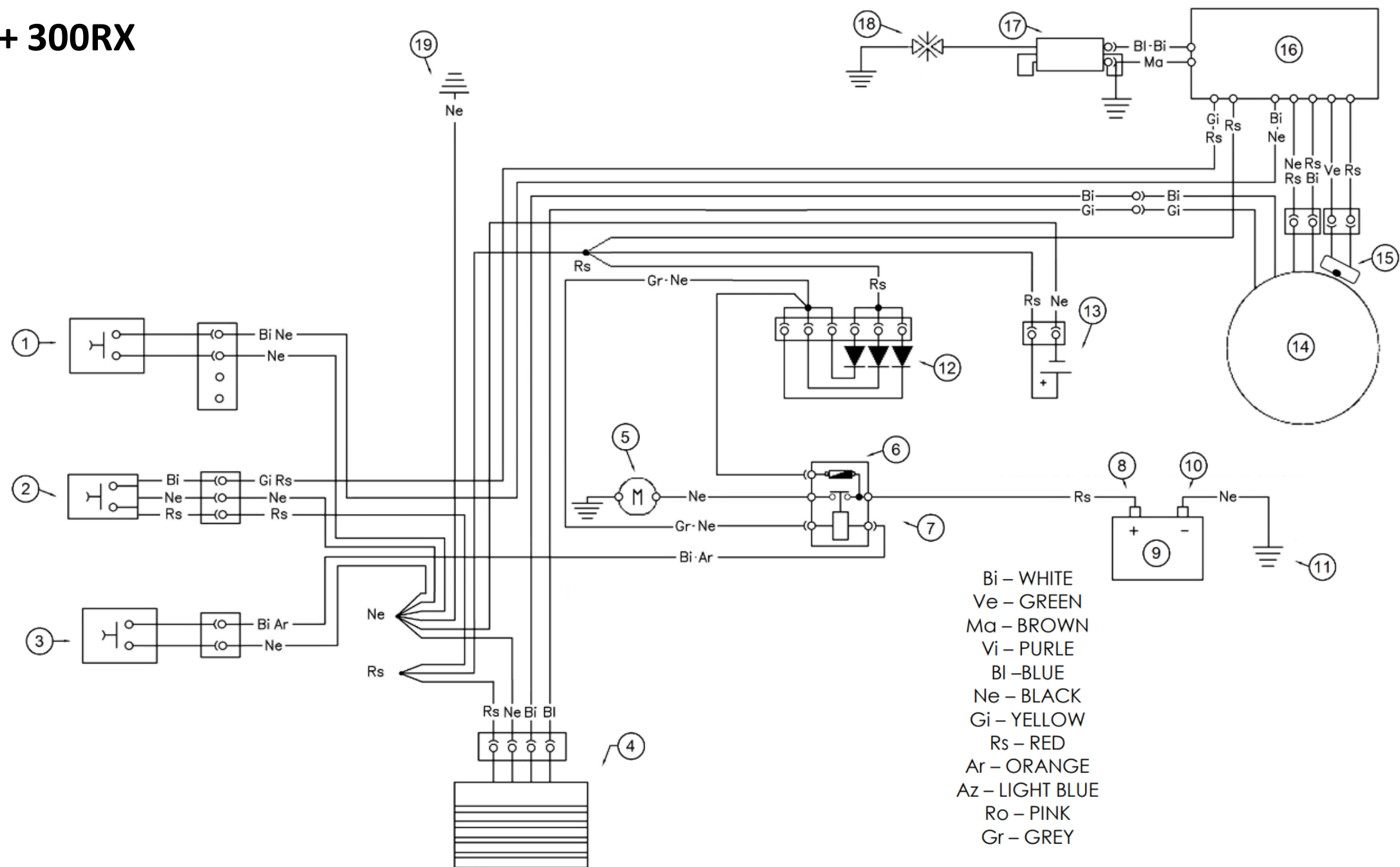
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11-21

Work must be performed by
trained technician.

Beta USA, Inc.
PO Box 4099
Paso Robles, CA 93447

2021+ 300RX

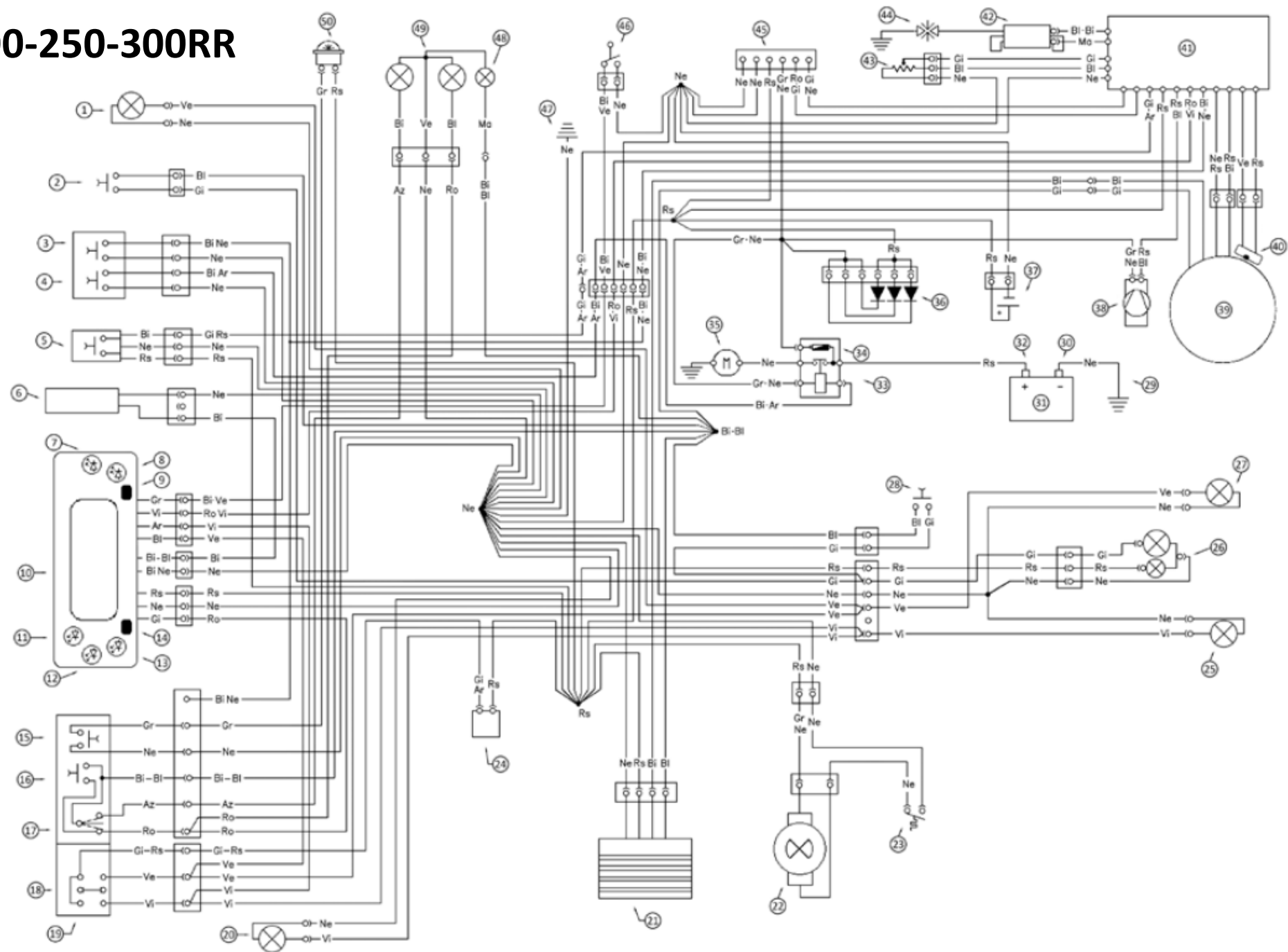


2021 300RX

LEGEND ELECTRICAL DIAGRAM

- | | |
|-------------------------------|-----------------------------|
| 1. Engine kill button | 11. Battery ground to frame |
| 2. Map switch | 12. Diode group |
| 3. Start button | 13. 4700uF capacitor |
| 4. Voltage regulator | 14. Stator |
| 5. Starter motor | 15. Pick-up coil |
| 6. 10A main fuse | 16. ECU |
| 7. Starter relay | 17. Ignition coil |
| 8. Positive battery terminal | 18. Spark plug |
| 9. Battery | 19. Ground to frame |
| 10. Negative battery terminal | |

2020-22 200-250-300RR



Bi – WHITE
Ve – GREEN
Ma – BROWN
Vi – PURLE
BI –BLUE
Ne – BLACK
Gi – YELLOW
Rs – RED
Ar – ORANGE
Az – LIGHT BLUE
Ro – PINK
Gr – GREY

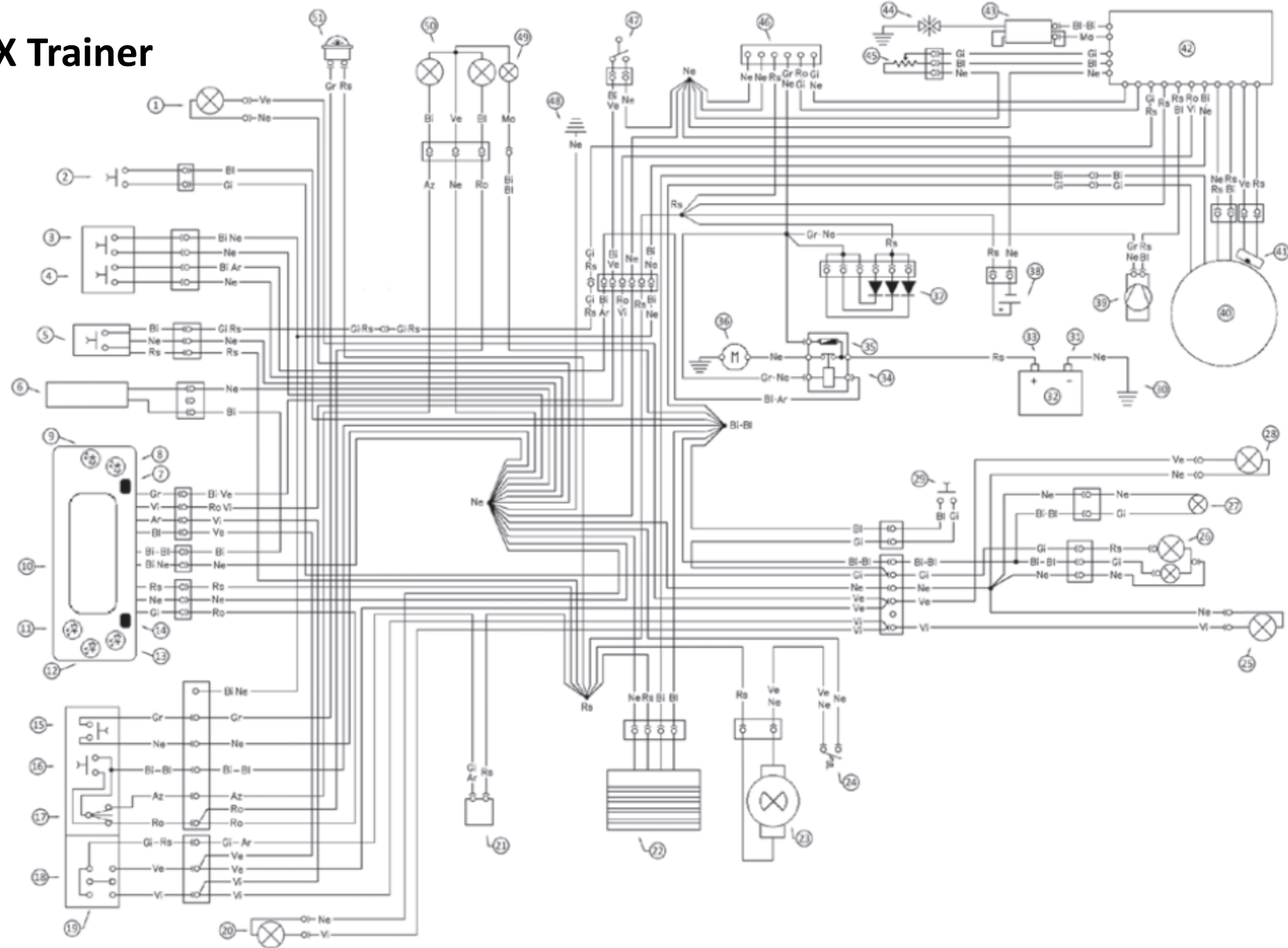
2020-21 200-250-300RR

LEGEND ELECTRICAL DIAGRAM

- 1) RIGHT-HAND FRONT TURNING INDICATOR 12V 6W
- 2) FRONT BRAKE LIGHT BUTTON
- 3) ENGINE STOP BUTTON
- 4) START BUTTON
- 5) SECOND MAP SWITCH
- 6) WHEEL REVOLUTION SENSOR
- 7) TURN INDICATORS WARNING LIGHT
- 8) ENGINE MALFUNCTION WARNING LIGHT
- 9) ADJUST PUSHBUTTON
- 10) DASHBOARD
- 11) HEADLIGHT TELL TALE LAMP
- 12) LEFT TURNING INDICATOR LIGHT
- 13) OIL RESERVE WARNING LIGHT
- 14) SET PUSHBUTTON
- 15) HORN PUSHBUTTON
- 16) FLASH-TO-PASS BUTTON
- 17) HEADLIGHT SELECTOR
- 18) TURN SIGNAL LAMPS SWITCH
- 19) LEFT-HAND CONTROL GROUP
- 20) LEFT-HAND FRONT TURN INDICATOR 12V 6W
- 21) VOLTAGE REGULATOR
- 22) ELECTRIC FAN (OPTIONAL)
- 23) THERMOSWITCH
- 24) UNIT TURN SIGNAL LAMPS
- 25) LEFT-HAND REAR TURN INDICATOR (12V 6W BULB)

- 25) LEFT-HAND REAR TURN INDICATOR (12V 6W BULB)
- 26) TAIL LIGHT WITH NUMBER PLATE LIGHT
- 27) RIGHT-HAND REAR TURN INDICATOR (12V 6W BULB)
- 28) REAR STOP BUTTON
- 29) FRAME EARTH WIRE
- 30) BATTERY NEGATIVE TERMINAL
- 31) LITHIUM 12V 2AH BATTERY
- 32) BATTERY POSITIVE TERMINAL
- 33) STARTER RELAY
- 34) 10A FUSE
- 35) STARTER MOTOR
- 36) DIODES GROUP
- 37) CONDENSATOR 4700 μ F
- 38) OIL PUMP
- 39) GENERATOR
- 40) PICK-UP SENSOR
- 41) ELECTRONIC CONTROL UNIT
- 42) COIL
- 43) TPS
- 44) SPARK PLUG
- 45) DIAGNOSTIC SYSTEM CONNECTOR
- 46) OIL RESERVE SENSOR
- 47) FRAME EARTH
- 48) PARKING LIGHT 12V 5W
- 49) FRONT HEADLIGHT (12V-35/35W BULB)
- 50) 12V HORN

2020-22 X Trainer

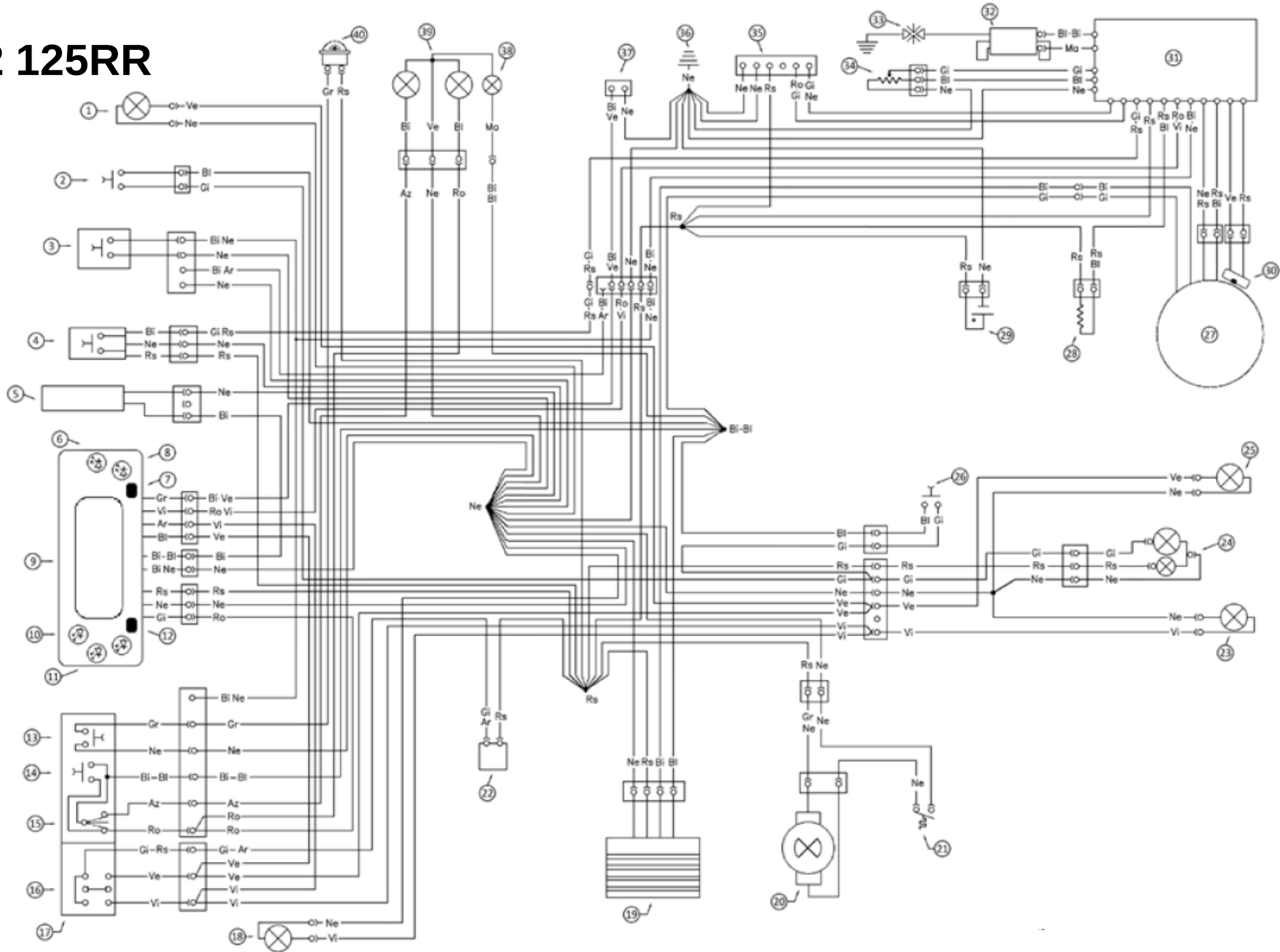


2020-21 X Trainer

LEGEND ELECTRICAL DIAGRAM

- | | |
|--|--|
| 1) RIGHT HAND FRONT TURN INDICATOR 12V 6W | 27) NUMBER PLATE LIGHT |
| 2) FRONT BRAKE LIGHT SWITCH | 28) RIGHT-HAND REAR TURN INDICATOR (12V 6W BULB) |
| 3) ENGINE STOP PUSH-BUTTON | 29) REAR STOP SWITCH |
| 4) ENGINE START PUSH-BUTTON | 30) FRAME GROUND WIRE |
| 5) MAP SWITCH | 31) BATTERY NEGATIVE TERMINAL |
| 6) WHEEL REVOLUTION SENSOR | 32) 12V 4AH BATTERY |
| 7) ADJUST PUSH-BUTTON | 33) BATTERY POSITIVE TERMINAL |
| 8) OIL MIX SYSTEM DIAGNOSIS WARNING LIGHT | 34) STARTER RELAY |
| 9) RIGHT TURN INDICATORS WARNING LIGHT | 35) 10A FUSE |
| 10) DASHBOARD | 36) STARTER MOTOR |
| 11) HEADLIGHT TELL TALE LAMP | 37) DIODES GROUP |
| 12) LEFT TURN INDICATORS WARNING LIGHT | 38) CAPACITOR 4700 μ F |
| 13) OIL RESERVE WARNING LIGHT | 39) OIL PUMP |
| 14) SET PUSH-BUTTON | 40) STATOR / POWER GENERATOR |
| 15) HORN BUTTON | 41) PICK-UP SENSOR |
| 16) FLASH-TO-PASS BUTTON | 42) ELECTRONIC CONTROL UNIT |
| 17) HEADLIGHT SELECTOR | 43) COIL |
| 18) TURN SIGNAL LAMPS SWITCH | 44) SPARK PLUG |
| 19) LEFTHAND CONTROL GROUP | 45) TPS |
| 20) LEFTHAND FRONT TURN INDICATOR 12V 6W | 46) DIAGNOSIS CONNECTOR |
| 21) UNIT TURN SIGNAL LAMPS | 47) OIL RESERVE SENSOR |
| 22) VOLTAGE REGULATOR | 48) FRAME GROUND |
| 23) ELECTRIC FAN | 49) PARKING LIGHT (12V 5W BULB) |
| 24) THERMOSWITCH | 50) FRONT HEADLIGHT (12V-35/35W BULB) |
| 25) LEFTHAND REAR TURN INDICATOR (12V 6W BULB) | 51) 12V HORN |
| 26) LED TAIL LIGHT | |

2020-22 125RR



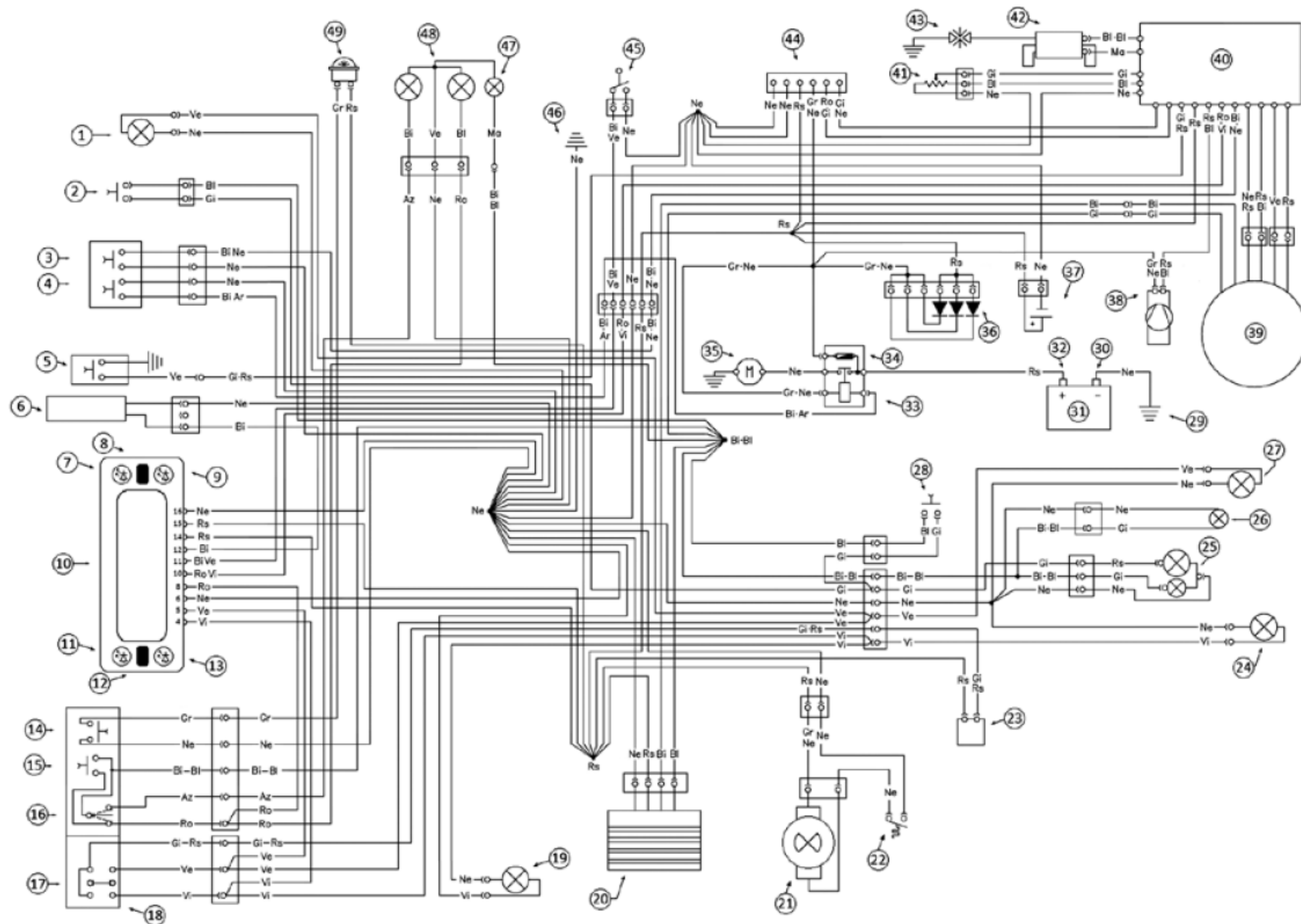
Bi - WHITE
Ve - GREEN
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Vi - PURLE
BI -BLUE
Ne - BLACK
Gi - YELLOW
Rs - RED
Ar - ORANGE
Az - LIGHT BLUE
Ro - PINK
Gr - GREY

2020-21 125RR

ELECTRICAL DIAGRAM LEGEND

- | | |
|---|--|
| 1) RIGHT-HAND FRONT TURN INDICATOR 12V 6W | 21) THERMOSWITCH |
| 2) FRONT BRAKE LIGHT BUTTON | 22) UNIT TURN SIGNAL LAMPS |
| 3) ENGINE STOP BUTTON | 23) LEFT-HAND REAR TURN INDICATOR (12V 6W BULB) |
| 4) SECOND MAP SWITCH | 24) TAIL LIGHT WITH NUMBER PLATE LIGHT |
| 5) WHEEL REVOLUTION SENSOR | 25) RIGHT-HAND REAR TURN INDICATOR (12V 6W BULB) |
| 6) RIGHT TURNING INDICATORS WARNING LIGHT | 26) REAR STOP SWITCH |
| 7) ADJUST PUSHBUTTON | 27) POWER GENERATOR |
| 8) DIAGNOSTIC SYSTEM WARNING LIGHT | 28) OIL MIX DIAGNOSTIC SYSTEM PUPPET RESISTOR |
| 9) SPEEDOMETER | 29) CAPACITOR 4700 μ F |
| 10) HIGH BEAM TELLTALE LAMP | 30) PICK-UP SENSOR |
| 11) LEFT TURNING INDICATORS WARNING LIGHT | 31) ELECTRONIC CONTROL UNIT |
| 12) SET PUSHBUTTON | 32) HT COIL |
| 13) HORN PUSHBUTTON | 33) SPARK PLUG |
| 14) FLASH-TO-PASS BUTTON | 34) THROTTLE POSITION SENSOR |
| 15) HEADLIGHT SELECTOR | 35) DIAGNOSTIC SYSTEM CONECTOR |
| 16) TURNING SIGNAL LAMPS SWITCH | 36) FRAME GROUND |
| 17) LEFT-HAND CONTROL GROUP | 37) OIL RESERVE SENSOR |
| 18) LEFT-HAND FRONT TURN INDICATOR 12V 6W | 38) PARKING LIGHT 12V 5W |
| 19) VOLTAGE REGULATOR | 39) HEADLIGHT (12V-35/35W BULB) |
| 20) ELECTRIC FAN (OPTIONAL) | 40) 12V HORN |

2019 200RR

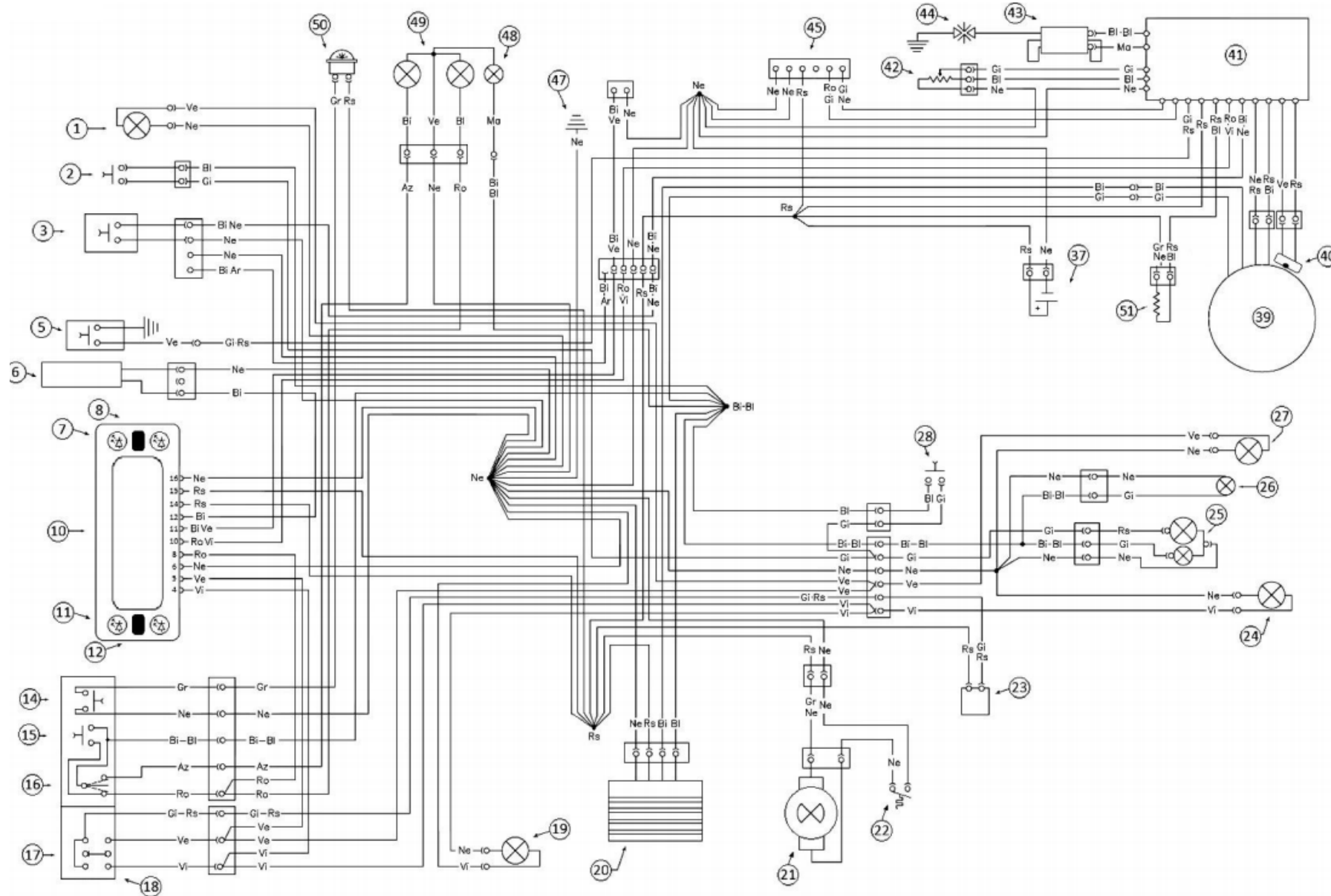


2019 200RR

ELECTRICAL DIAGRAM LEGEND

- | | |
|---------------------------------------|---------------------------------------|
| 1) Right front blinker
12v 6W bulb | 26) License plate light |
| 2) Front brake light switch | 27) Right rear blinker
12v 6w bulb |
| 3) Kill button | 28) Rear brake light switch |
| 4) Start button | 29) Ground to frame |
| 5) Map switch | 30) Battery negative terminal |
| 6) Wheel speed sensor | 31) Battery |
| 7) Blinker indicator light | 32) Battery positive terminal |
| 8) Speedometer mode button | 33) Starter solenoid |
| 9) Low oil indicator | 34) 10A fuse |
| 10) Speedometer display | 35) Starter |
| 11) Headlight indicator | 36) Diode group |
| 12) Speedometer set button | 37) 4700 uf capacitor |
| 13) Oil system warning light | 38) Oil pump |
| 14) Horn button | 39) Stator |
| 15) Headlight flash button | 40) ECU |
| 16) Head light high/low beam switch | 41) Throttle position sensor |
| 17) Blinker switch | 42) Coil |
| 18) Left hand switch | 43) Spark plug |
| 19) Left front blinker
12v 6w bulb | 44) Diagnostic plug |
| 20) Regulator | 45) Oil sending unit |
| 21) Fan thermoswitch | 46) Chassis ground |
| 20) Flasher | 47) 5w low beam |
| 21) Left rear blinker
12v 6w bulb | 48) 12v 35/35W headlight |
| 25) Tail/brake light | 49) Horn |

2019 125RR



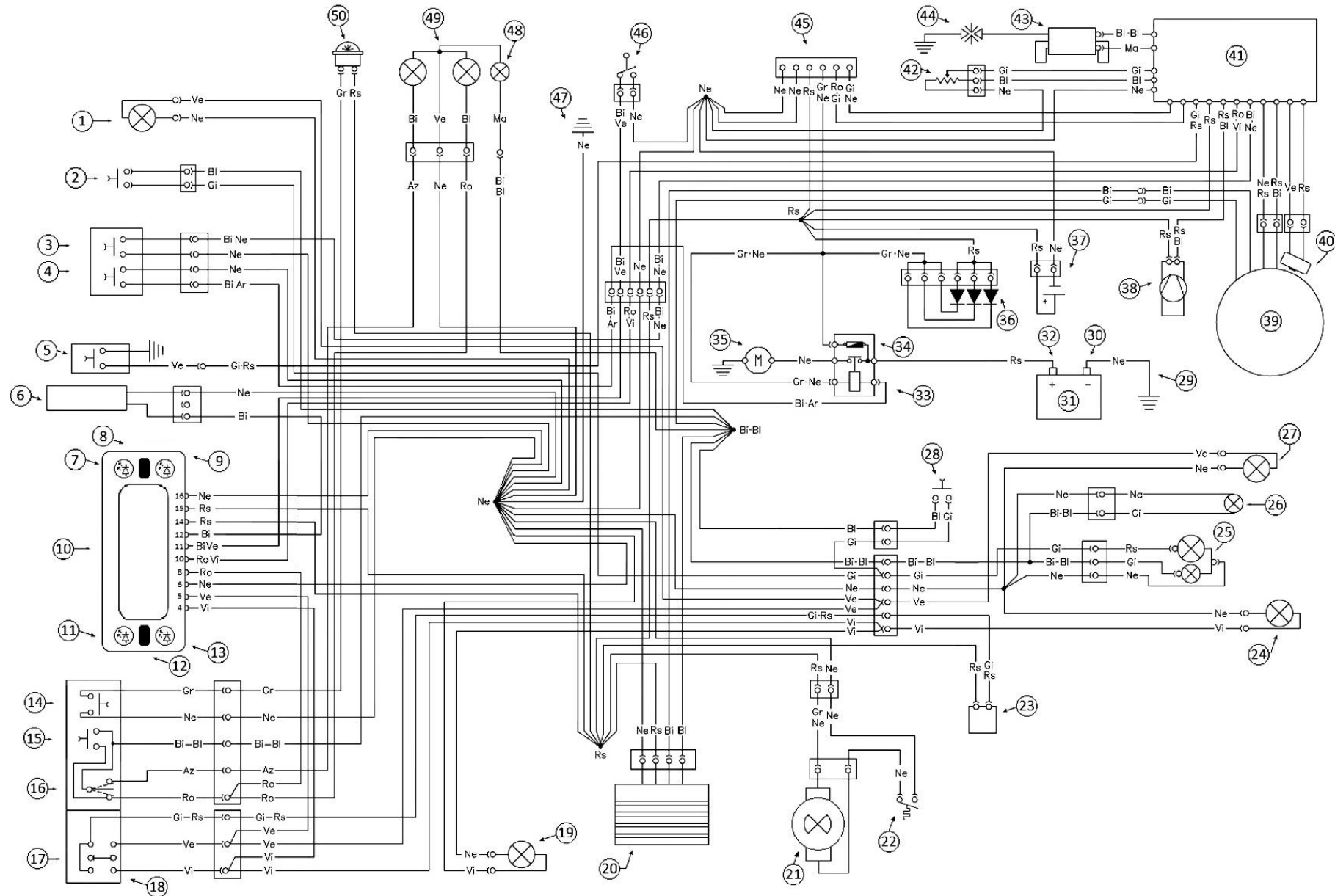
Bi – WHITE
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 Ar – ORANGE
 Az – LIGHT BLUE
 Ro – PINK
 Gr – GREY

2019 125RR

ELECTRICAL DIAGRAM LEGEND

- | | |
|---------------------------------------|---------------------------------------|
| 1) Right front blinker
12v 6w bulb | 26) License plate light |
| 2) Front brake light switch | 27) Right rear blinker
12v 6w bulb |
| 3) Start button | 28) Rear brake light switch |
| 4) Kill button | 29) Ground to frame |
| 5) Map switch | 30) Battery negative terminal |
| 6) Wheel speed sensor | 31) Battery |
| 7) Blinker light indicator | 32) Battery positive terminal |
| 8) Speedometer mode button | 33) Starter solenoid |
| 9) Oil system warning light | 34) 10A fuse |
| 10) Speedometer display | 35) Starter |
| 11) High beam indicator | 36) Diode group |
| 12) Speedometer set button | 37) 4700 uf capacitor |
| 13) Low oil indicator | 38) Oil pump |
| 14) Horn button | 39) Stator |
| 15) Headlight flash button | 40) Pick up coil |
| 16) Head light high/low beam switch | 41) ECU |
| 17) Blinker switch | 42) Throttle position sensor |
| 18) Left hand switch | 43) Ignition coil |
| 19) Left front blinker
12v 6w bulb | 44) Spark plug |
| 20) Regulator | 45) Diagnostic plug |
| 21) Fan | 46) Oil level sending unit |
| 22) Fan thermoswitch | 47) Chassis ground |
| 23) Flasher | 48) 5w low beam |
| 24) Left rear blinker
12v 6w bulb | 49) 12v 35/35W headlight |
| 25) Tail/brake light | 50) Horn |
| | 51) Resistor |

2017-19 250-300RR and X Trainer



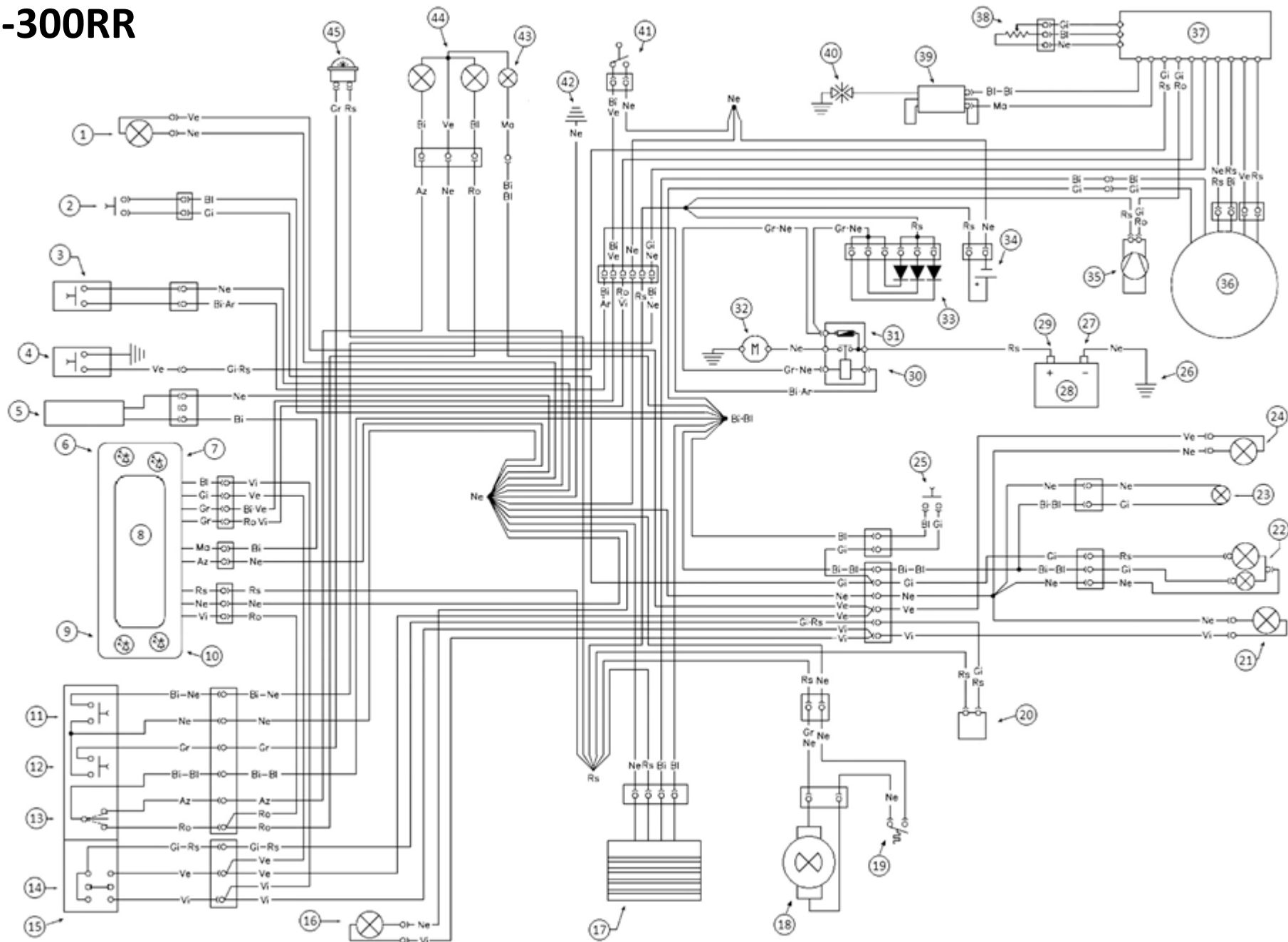
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2017-19 250-300RR and X Trainer

ELECTRICAL DIAGRAM LEGEND

- | | | | |
|-----|---|-----|-------------------------------------|
| 1) | Front right turning light
- 12V 6W bulb | 26) | Number plate light |
| 2) | Front stop button | 27) | Rear blinker Right lamp
12V - 6W |
| 3) | Starter push-button | 28) | Rear stop switch |
| 4) | Engine stop push-
button | 29) | Frame ground cable |
| 5) | Double map switch | 30) | Battery negative pole |
| 6) | Speed sensor | 31) | 12V - 4Ah Battery |
| 7) | Turning lights indicator | 32) | Battery positive pole |
| 8) | Mode pushbutton | 33) | Starting relay |
| 9) | Engine Diagnosis light | 34) | 10A fuse |
| 10) | Speedometer | 35) | Starter |
| 11) | High beam indicator | 36) | Diodes group |
| 12) | Set push-button | 37) | 4700 uF capacitor |
| 13) | Oil reserve indicator | 38) | Oil pump |
| 14) | Horn push-button | 39) | Power generator |
| 15) | Flasher | 40) | Pick-Up sensor |
| 16) | Lights switch | 41) | ECU |
| 17) | Turning indicator
switch | 42) | Throttle position sensor |
| 18) | Left control unit | 43) | Ignition Coil |
| 19) | Front left turning light-
12V - 6W bulb. | 44) | Spark plug |
| 20) | Power regulator | 45) | Diagnosis Connector |
| 21) | Electric Fan | 46) | Oil reserve sensor |
| 22) | Thermoswitch | 47) | Frame ground |
| 23) | Turning lights control
unit | 48) | Parking light - 12V 5W
bulb |
| 24) | Rear left turning light –
12v 6W bulb | 49) | 12V 35/35W front
headlight |
| 25) | Led backlight | 50) | 12V horn. |

2016 250-300RR



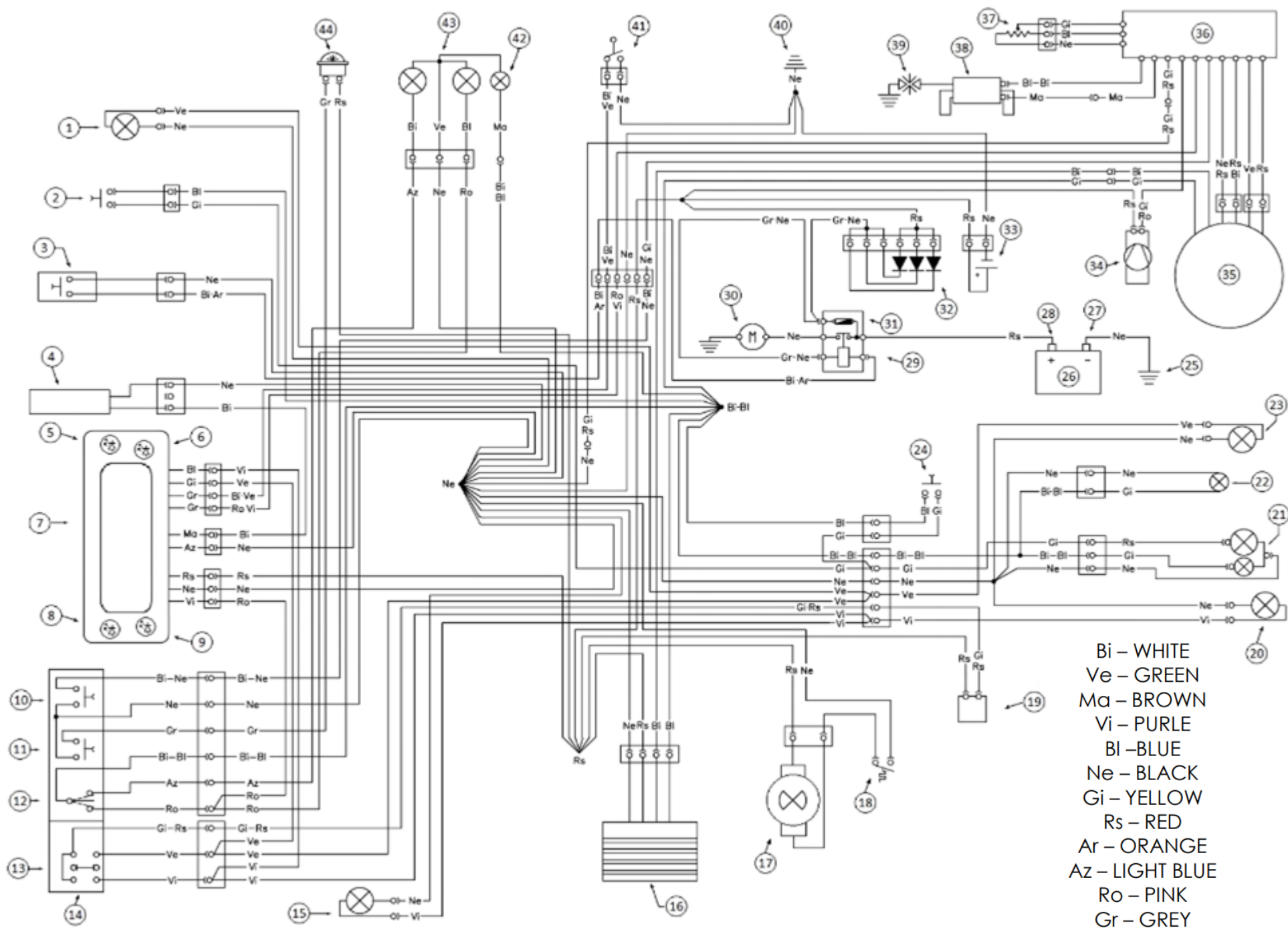
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Gi – YELLOW
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Gr – GREY

2016 250-300RR

ELECTRICAL DIAGRAM LEGEND

- | | | | |
|-----|---|-----|--|
| 1) | RIGHT-HAND FRONT TURN INDICATOR 12V 6W | 23) | NUMBER-PLATE LIGHT |
| 2) | FRONT BRAKE LIGHT BUTTON | 24) | RIGHT-HAND REAR TURN INDICATOR (12V 6W BULB) |
| 3) | START BUTTON | 25) | REAR STOP BUTTON |
| 4) | SECOND MAP SWITCH (OPTIONAL) | 26) | FRAME EARTH |
| 5) | WHEEL REVOLUTION SENSOR | 27) | BATTERY NEGATIVE TERMINAL |
| 6) | TURN INDICATORS WARNING LIGHT | 28) | BATTERY 12V 4AH |
| 7) | OIL RESERVE WARNING LIGHT | 29) | BATTERY POSITIVE TERMINAL |
| 8) | DASHBOARD | 30) | STARTER RELAY |
| 9) | HEADLIGHT TELL TALE LAMP | 31) | 10A FUSE |
| 10) | MIXER DIAGNOSIS WARNING LIGHT | 32) | STARTER MOTOR |
| 11) | ENGINE STOP BUTTON | 33) | DIODES GROUP |
| 12) | HORN BUTTON | 34) | CONDENSATOR 4700 μ F |
| 13) | HEADLIGHT SELECTOR | 35) | OIL PUMP |
| 14) | TURN SIGNAL LAMPS SWITCH | 36) | GENERATOR |
| 15) | LEFT-HAND CONTROL GROUP | 37) | ELECTRONIC CONTROL UNIT |
| 16) | LEFT-HAND FRONT TURN INDICATOR 12V 6W | 38) | TPS |
| 17) | REGULATOR | 39) | HT COIL |
| 18) | ELECTRIC FAN (OPTIONAL) | 40) | SPARK PLUG |
| 19) | THERMOSWITCH | 41) | OIL RESERVE SENSOR |
| 20) | UNIT TURN SIGNAL LAMPS | 42) | FRAME EARTH |
| 21) | LEFT-HAND REAR TURN INDICATOR (12V 6W BULB) | 43) | PARKING LIGHT 12V 5W |
| 22) | TAIL LIGHT WITH LED | 44) | HEADLIGHT (12V-35/35W BULB) |
| | | 45) | 12V HORN |

2016 X Trainer

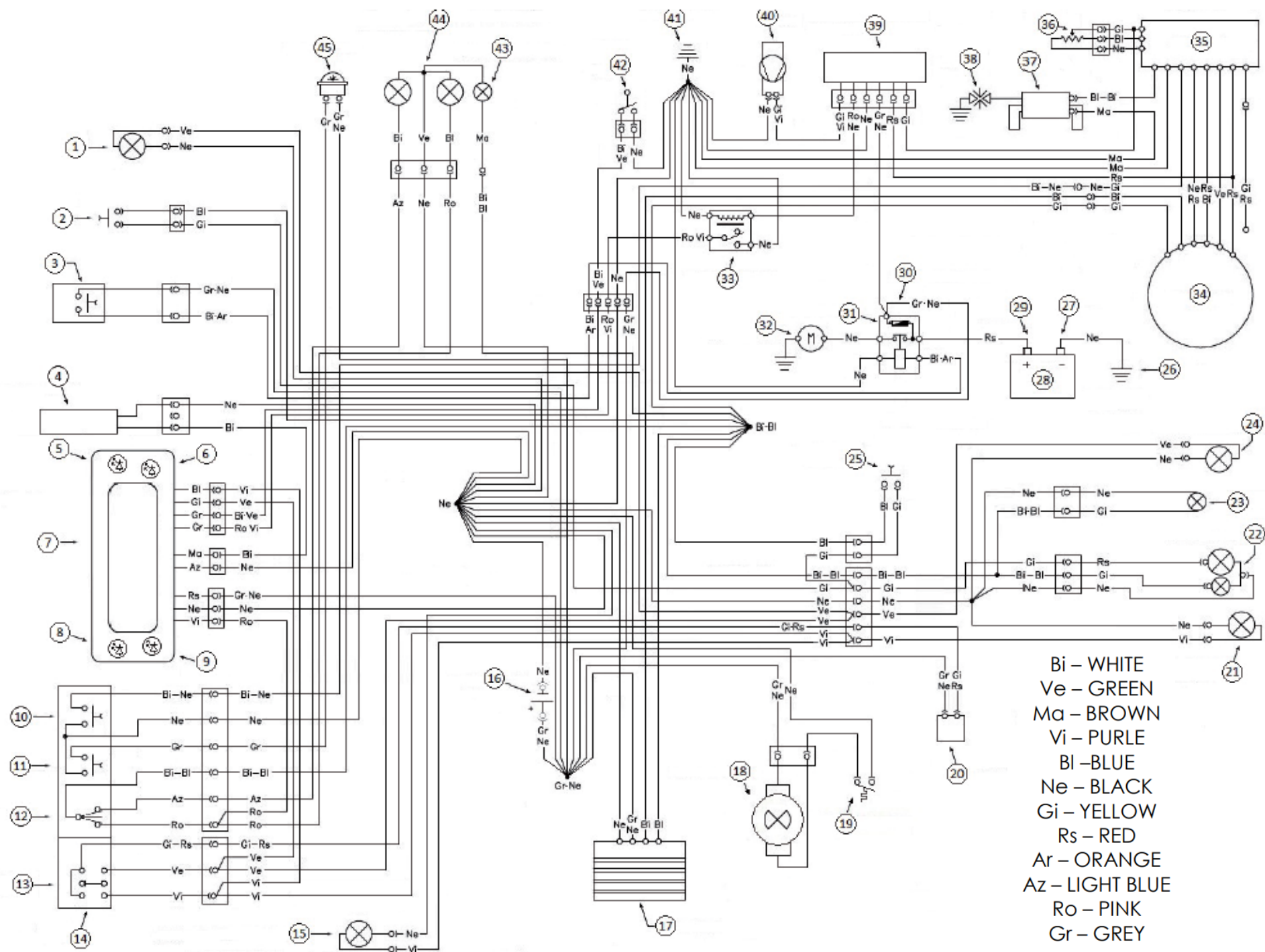


2016 X Trainer

ELECTRICAL DIAGRAM LEGEND

- | | | | |
|-----|---|-----|--|
| 1) | RIGHT-HAND FRONT TURN INDICATOR 12V 6W | 23) | RIGHT-HAND REAR TURN INDICATOR (12V 6W BULB) |
| 2) | FRONT BRAKE LIGHT BUTTON | 24) | REAR STOP BUTTON |
| 3) | START BUTTON | 25) | FRAME EARTH |
| 4) | WHEEL REVOLUTION SENSOR | 26) | BATTERY 12V 4AH |
| 5) | TURN INDICATORS WARNING LIGHT | 27) | BATTERY NEGATIVE TERMINAL |
| 6) | OIL RESERVE WARNING LIGHT | 28) | BATTERY POSITIVE TERMINAL |
| 7) | DASHBOARD | 29) | STARTER RELAY |
| 8) | HEADLIGHT TELL TALE LAMP | 30) | STARTER MOTOR |
| 9) | MIXER DIAGNOSIS WARNING LIGHT | 31) | 10A FUSE |
| 10) | ENGINE STOP BUTTON | 32) | CHARGER DIODES GROUP |
| 11) | HORN BUTTON | 33) | CONDENSATOR 4700 μ F |
| 12) | HEADLIGHT SELECTOR | 34) | MIXER OIL PUMP |
| 13) | TURN SIGNAL LAMPS SWITCH | 35) | GENERATOR |
| 14) | LEFT-HAND CONTROL GROUP | 36) | ELECTRONIC CONTROL UNIT |
| 15) | LEFT-HAND FRONT TURN INDICATOR 12V 6W | 37) | TPS |
| 16) | REGULATOR | 38) | HT COIL |
| 17) | ELECTRIC FAN | 39) | SPARK PLUG |
| 18) | THERMOSWITCH | 40) | FRAME EARTH |
| 19) | UNIT TURN SIGNAL LAMPS | 41) | OIL RESERVE SENSOR |
| 20) | LEFT-HAND REAR TURN INDICATOR (12V 6W BULB) | 42) | PARKING LIGHT 12V 5W |
| 21) | TAIL LIGHT WITH LED | 43) | HEADLIGHT (12V-35/35W BULB) |
| 22) | NUMBER-PLATE LIGHT | 44) | 12V HORN |

2015 X Trainer

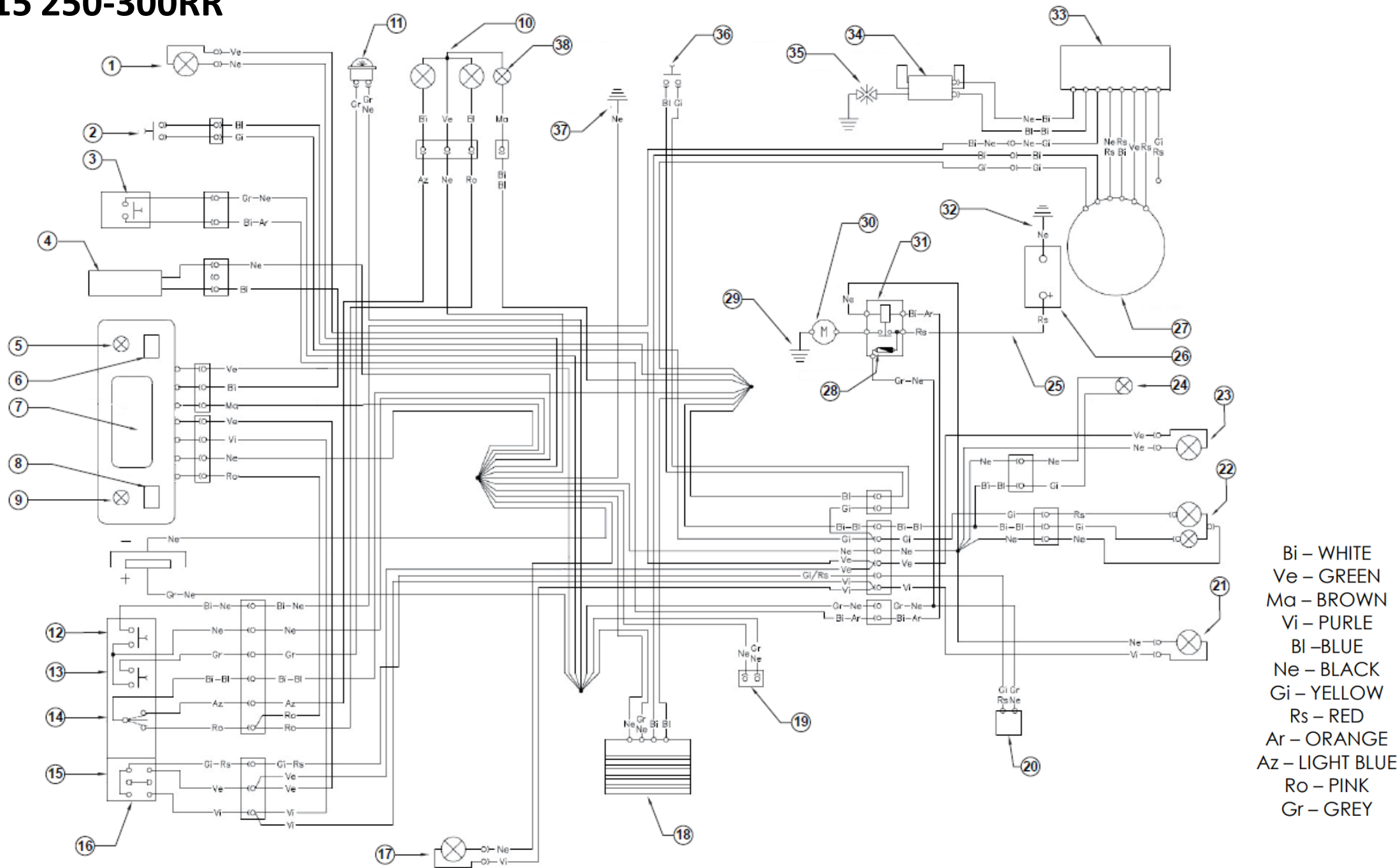


2015 X Trainer

ELECTRICAL DIAGRAM LEGEND

- | | | | |
|-----|--|-----|--|
| 1) | RIGHT-HAND FRONT TURN INDICATOR 12V 6W | 23) | NUMBER-PLATE LIGHT |
| 2) | FRONT BRAKE LIGHT BUTTON | 24) | RIGHT-HAND REAR TURN INDICATOR (12V 6W BULB) |
| 3) | START BUTTON | 25) | REAR STOP BUTTON |
| 4) | WHEEL REVOLUTION SENSOR | 26) | FRAME EARTH |
| 5) | TURN INDICATORS WARNING LIGHT | 27) | BATTERY NEGATIVE TERMINAL |
| 6) | OIL RESERVE WARNING LIGHT | 28) | BATTERY 12V 4AH |
| 7) | DASHBOARD | 29) | BATTERY POSITIVE TERMINAL |
| 8) | HEADLIGHT TELL TALE LAMP | 30) | STARTER RELAY |
| 9) | MIXER DIAGNOSIS WARNING LIGHT | 31) | 10A FUSE |
| 10) | ENGINE STOP BUTTON | 32) | STARTER MOTOR |
| 11) | HORN BUTTON | 33) | DIAGNOSIS RELAY |
| 12) | HEADLIGHT SELECTOR | 34) | GENERATOR |
| 13) | TURN SIGNAL LAMPS SWITCH | 35) | ELECTRONIC CONTROL UNIT |
| 14) | LEFTHAND CONTROL GROUP | 36) | TPS |
| 15) | LEFTHAND FRONT TURN INDICATOR 12V 6W | 37) | HT COIL |
| 16) | CONDENSATOR 4700 μ F | 38) | SPARK PLUG |
| 17) | REGULATOR | 39) | OIL PUMP ELECTRONIC CONTROL UNIT |
| 18) | ELECTRIC FAN | 40) | OIL PUMP |
| 19) | THERMOSWITCH | 41) | FRAME EARTH |
| 20) | UNIT TURN SIGNAL LAMPS | 42) | OIL RESERVE SENSOR |
| 21) | LEFTHAND REAR TURN INDICATOR (12V 6W BULB) | 43) | PARKING LIGHT 12V 5W |
| 22) | TAIL LIGHT WITH LED | 44) | HEADLIGHT (12V-35/35W BULB) |
| | | 45) | 12V HORN |

2013-15 250-300RR



2013-15 250-300RR

ELECTRICAL DIAGRAM LEGEND

1)	RIGHT-HAND FRONT TURN INDICATOR (12V-10W BULB)	20)	UNIT TURN SIGNAL LAMPS
2)	FRONT BRAKE LIGHT BUTTON	21)	LEFT-HAND REAR TURN INDICATOR (12V-10W BULB)
3)	START BUTTON	22)	TAIL LIGHT WITH LED
4)	WHEEL REVOLUTION SENSOR	23)	RIGHT-HAND REAR TURN INDICATOR (12V-10W BULB)
5)	TURN INDICATORS TELL TALE LAMP	24)	NUMBER-PLATE LIGHT
6)	RIGHT BUTTON	25)	BATTERY POSITIVE TERMINAL
7)	DISPLAY	26)	BATTERY 12V - 4AH
8)	LEFT BUTTON	27)	GENERATOR
9)	HEADLIGHT TELL TALE LAMP	28)	10A FUSE
10)	HEADLIGHT (12V-35/35W BULB)	29)	FRAME EARTH WIRE
11)	12V HORN	30)	STARTER MOTOR
12)	ENGINE STOP BUTTON	31)	STARTER RELAY
13)	HORN BUTTON	32)	BATTERY NEGATIVE TERMINAL
14)	HEADLIGHT SELECTOR	33)	ELECTRONIC CONTROL UNIT
15)	TURN SIGNAL LAMPS SWITCH	34)	HT COIL
16)	LEFT-HAND CONTROL GROUP	35)	SPARK PLUG
17)	LEFT-HAND FRONT TURN INDICATOR (12V-10W BULB)	36)	REAR BRAKE LIGHT BUTTON
18)	REGULATOR 12V	37)	FRAME EARTH
19)	ELECTRIC FAN KIT (OPTION)	38)	PARKING LIGHT 12V-5W