

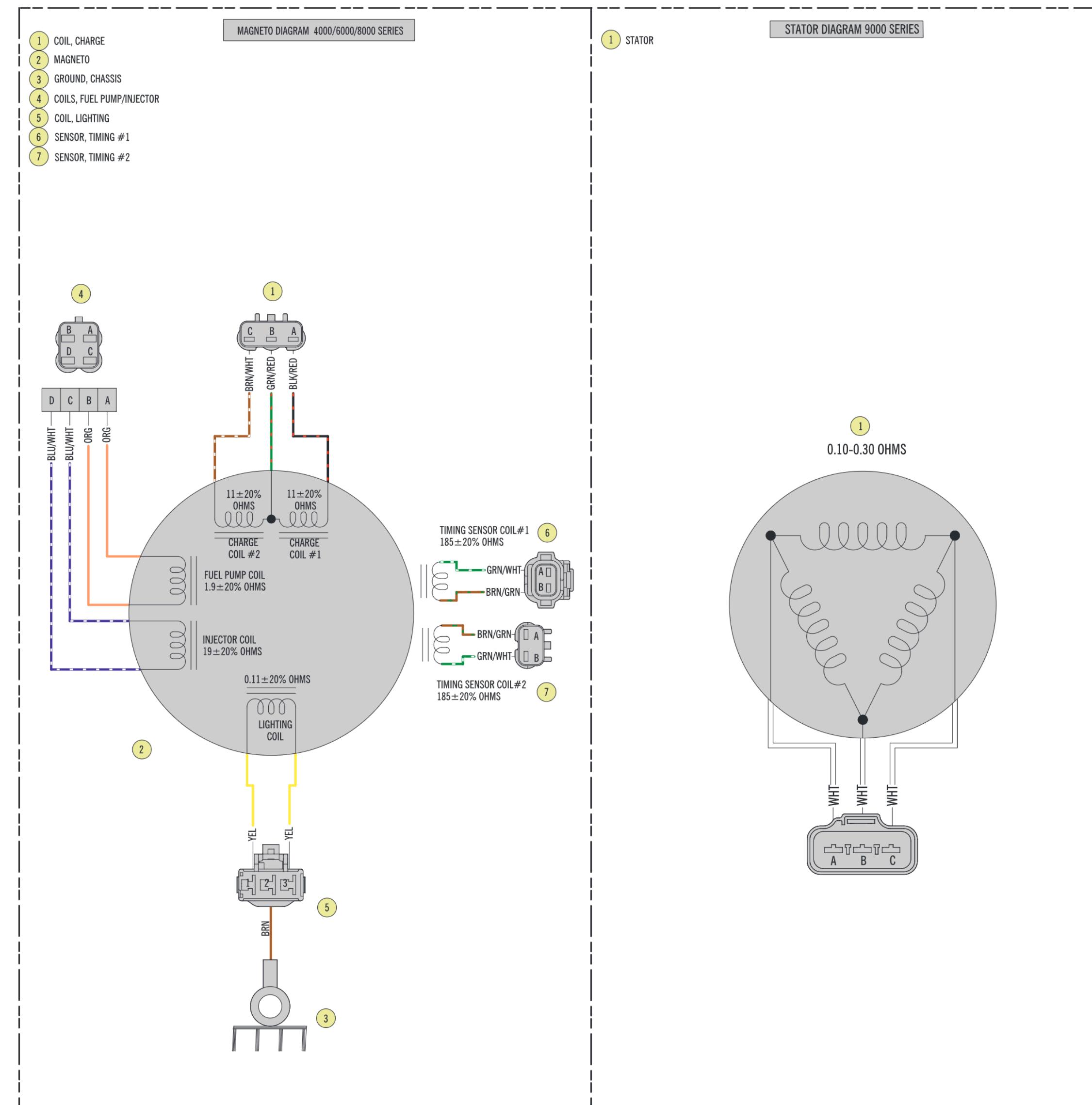
## 2022 SNOWMOBILE WIRING DIAGRAMS

This chart is designed to direct the technician to the appropriate Harness Wiring Diagram. Select the snowmobile model from the chart to determine the correct diagram:

Model	Ignition/Main Harness	Hood/Console Harness	Handlebar Harness
<b>ZR 120</b>	<b>p. 2</b>	<b>N/A</b>	<b>N/A</b>
<b>ZR 200</b>	<b>p. 3</b>	<b>N/A</b>	<b>N/A</b>
<b>4000</b>	<b>p. 4</b>	<b>p. 9</b>	<b>N/A</b>
<b>6000</b>	<b>p. 5</b>	<b>p. 10</b>	<b>p. 12</b>
<b>8000 without ES</b>	<b>p. 6</b>	<b>p. 10</b>	<b>p. 12</b>
<b>8000 with ES</b>	<b>p. 7</b>	<b>p. 10</b>	<b>p. 12</b>
<b>9000</b>	<b>p. 8</b>	<b>p. 11</b>	<b>p. 12</b>

■NOTE: Magneto diagrams on p. 1 and iACT Main Harness on p. 13.



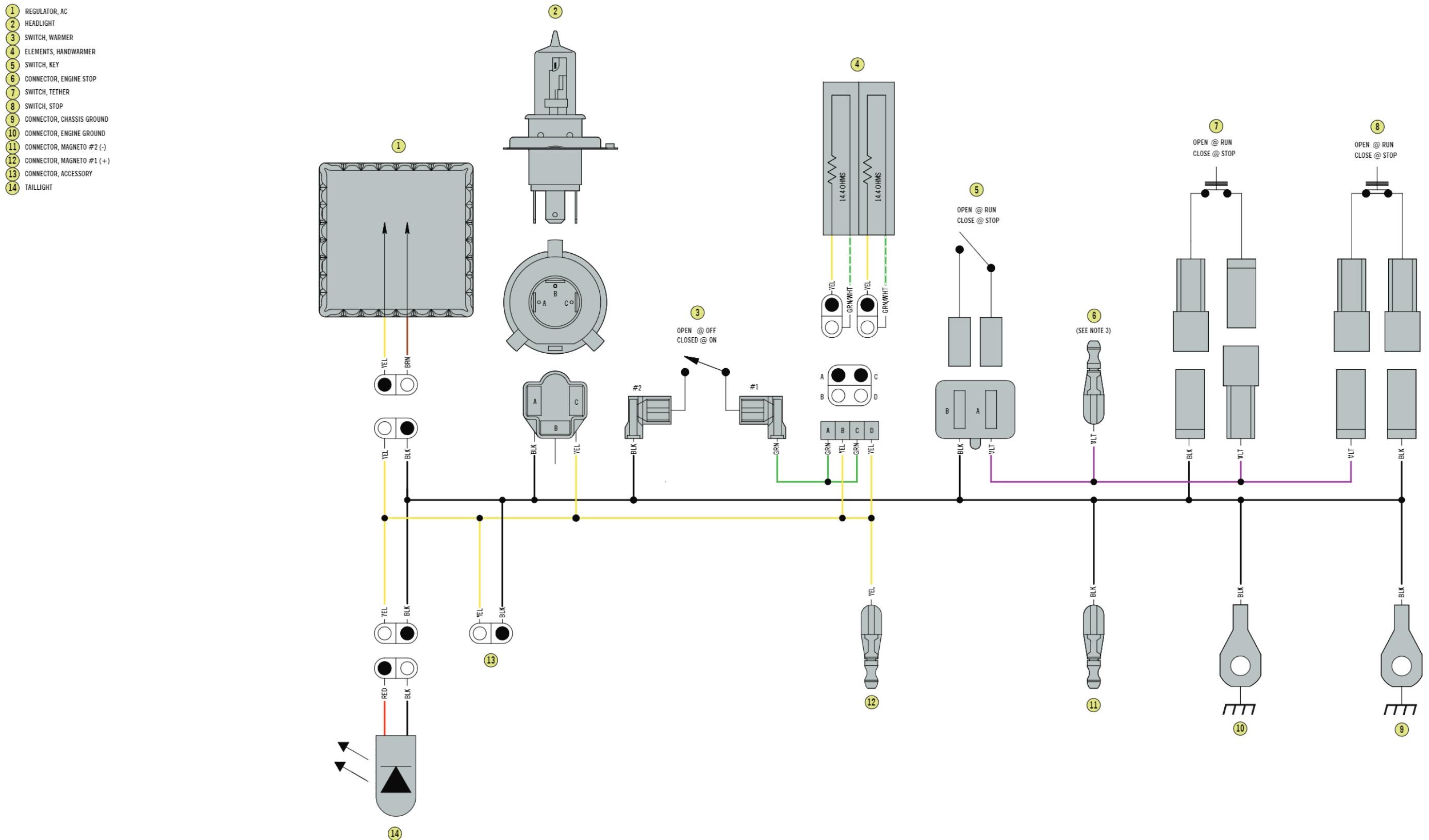
**Magnets**

NOTES:

1. CONNECTORS SHOWN FROM MATING SURFACE SIDE.  
WHERE APPLICABLE.2. ● MALE PIN TERMINAL  
○ FEMALE RECEPTACLE TERMINAL

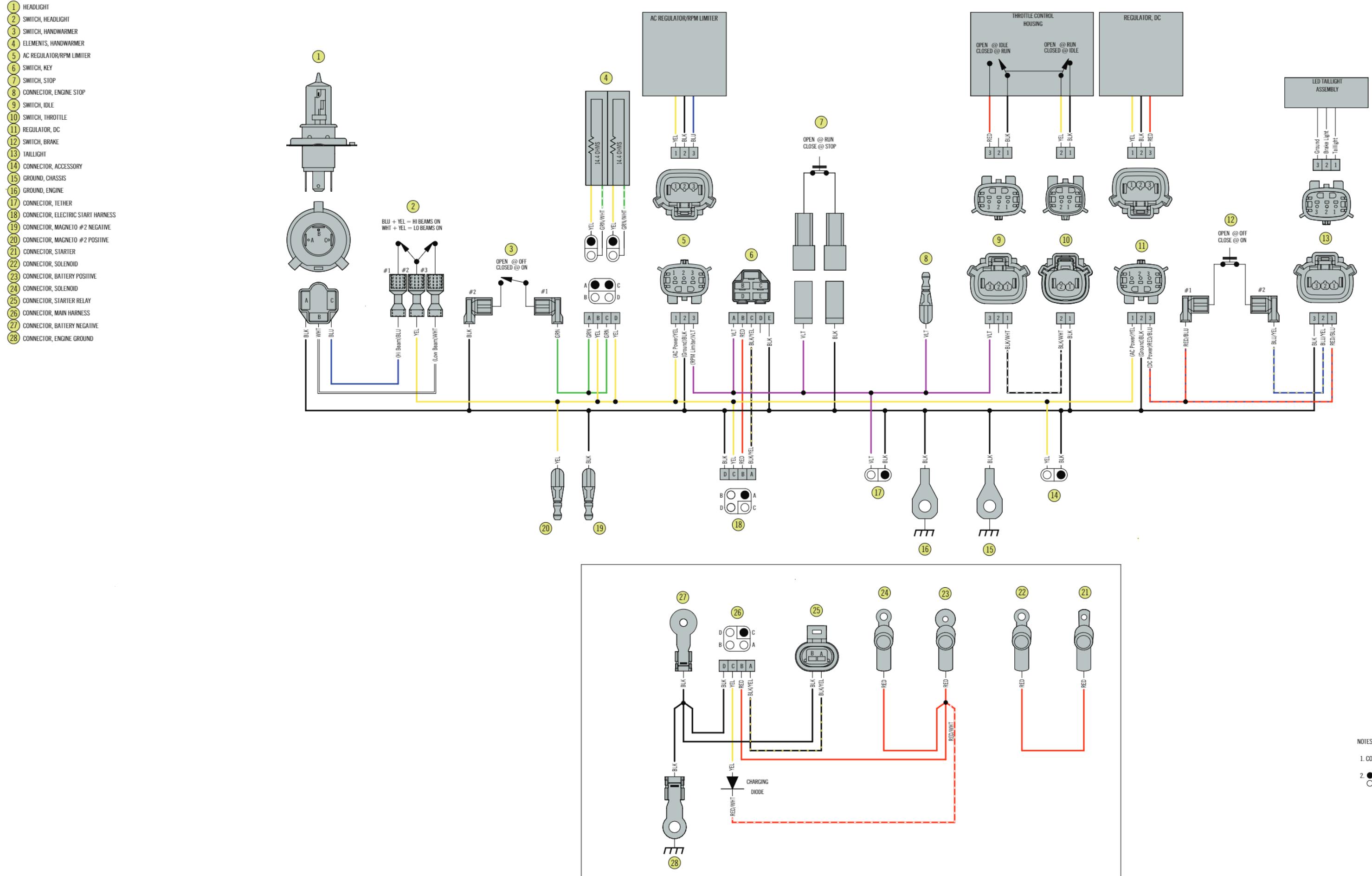
0753-212

**Main Harness**  
(p/n 1686-794)  
ZR 120



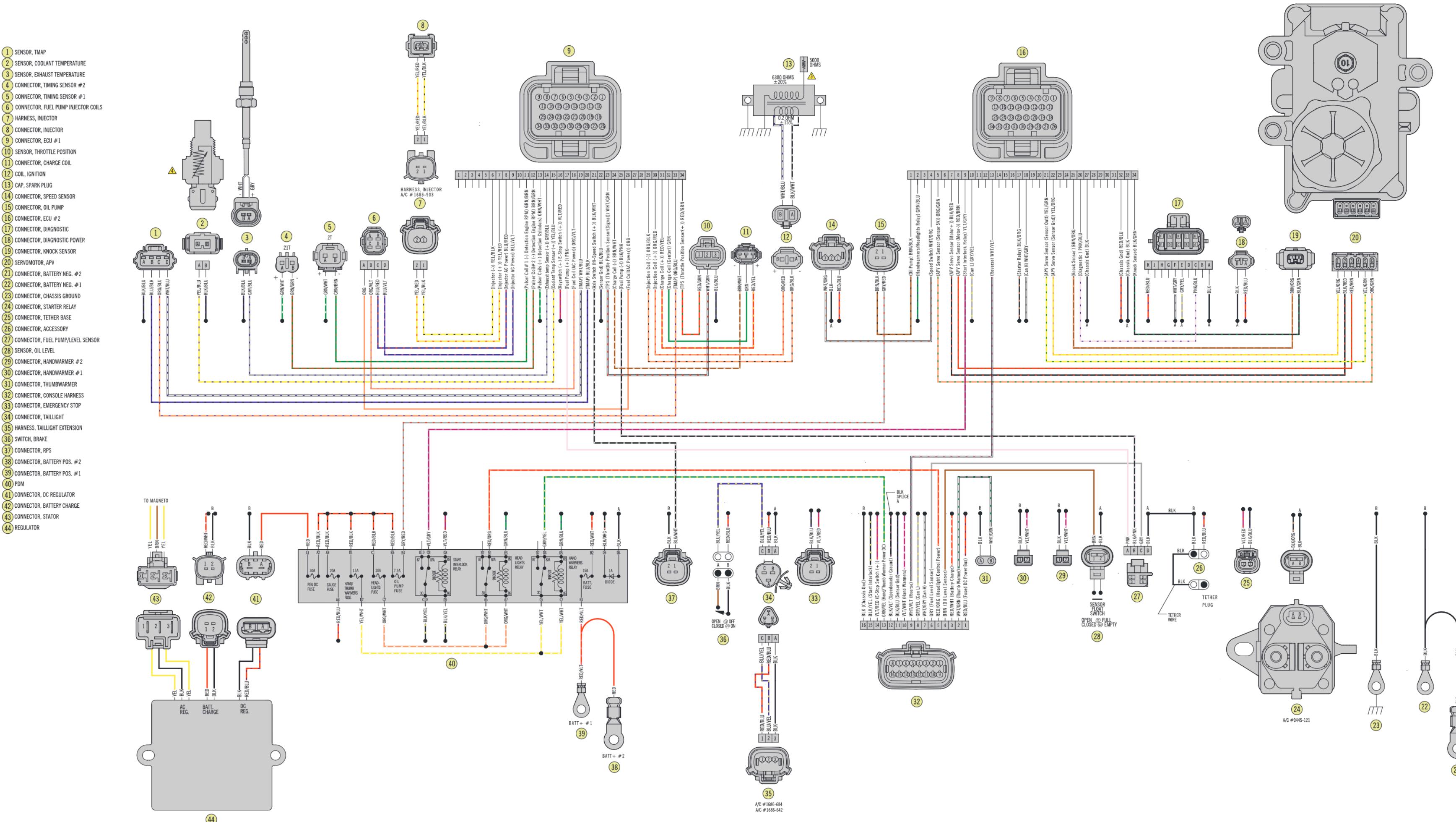
0752-219

**Main Harness**  
(p/n 1686-863)  
ZR 200



0752-742

**Main Harness  
(p/n 1686-905)  
4000 Models**



NOTES:

1. CONNECTORS SHOWN FROM MATING SURFACE SIDE.
2. MALE PIN TERMINAL  
 FEMALE RECEPTACLE TERMINAL

**⚠ REMOVE SPARK PLUG CAP TO MEASURE SECONDARY COIL RESISTANCE. AND SPARK PLUG CAP RESISTANCE.**

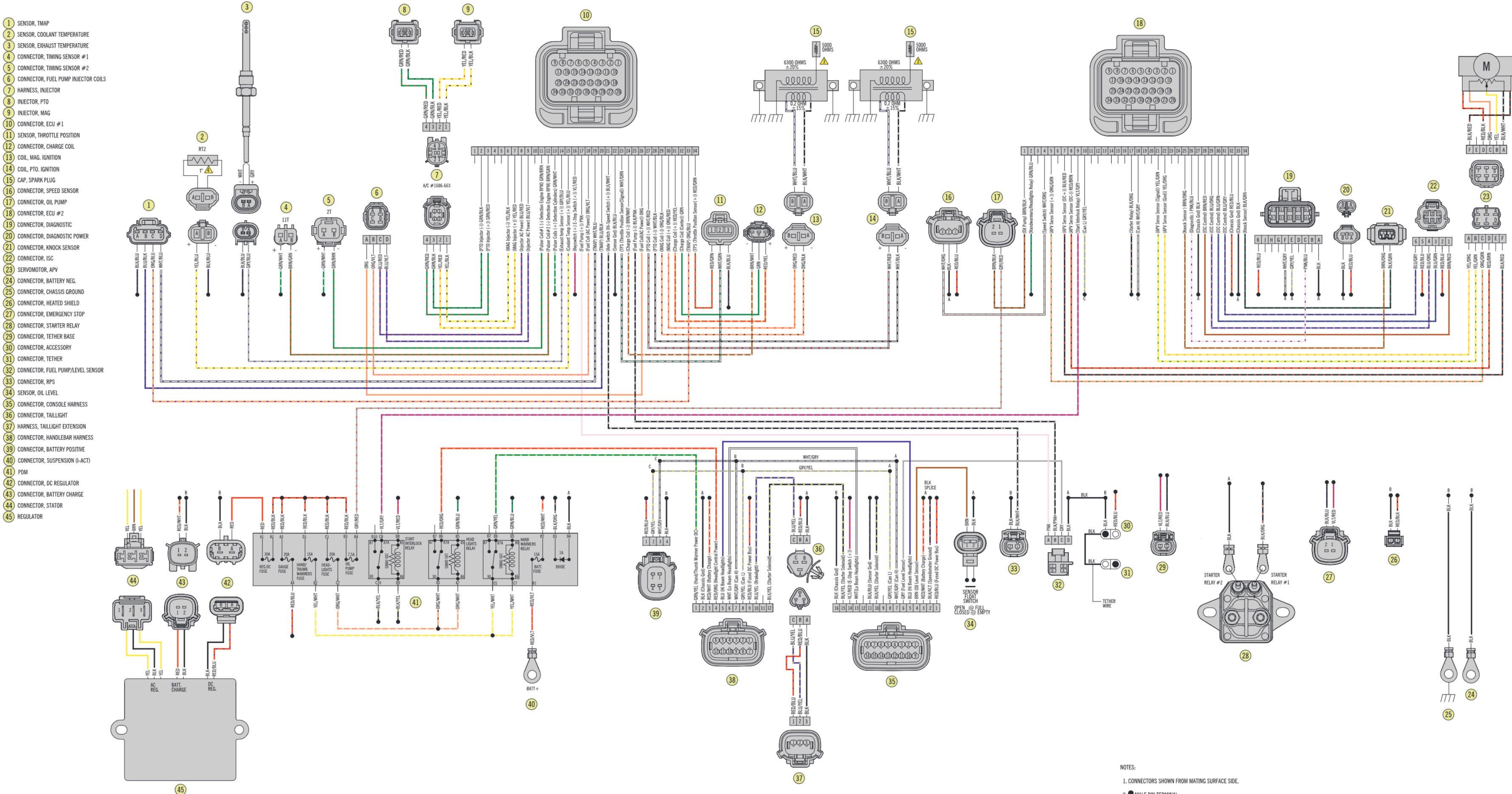
**⚠ RESISTANCE VARIES BY TEMPERATURE. SEE CHART IN SERVICE MANUAL FOR RESISTANCE VALUE.**

5. BLK INDICATES WIRE SPLICE. THIS EXAMPLE INDICATES BLK SPLICE A

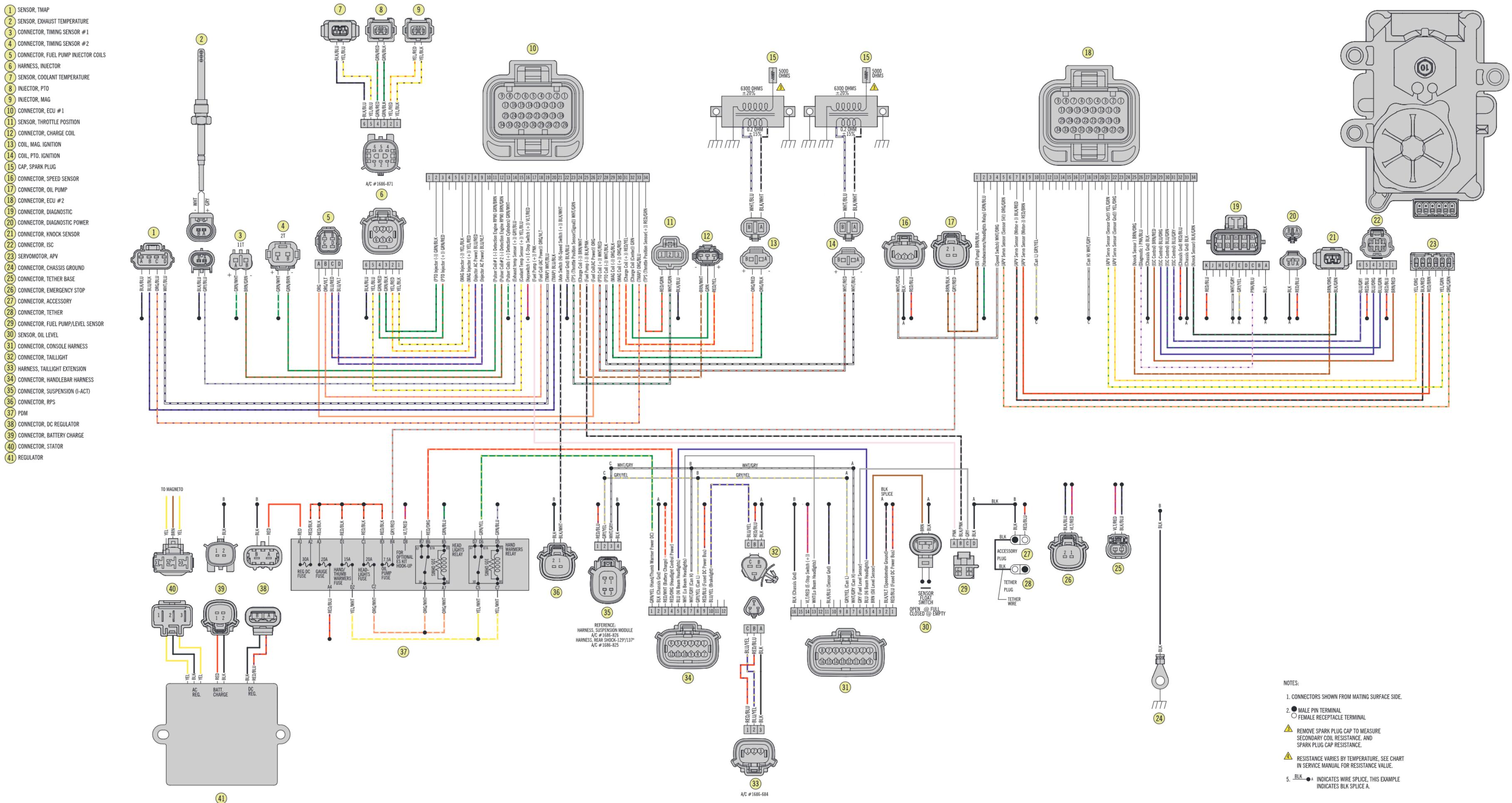
4

0753-523

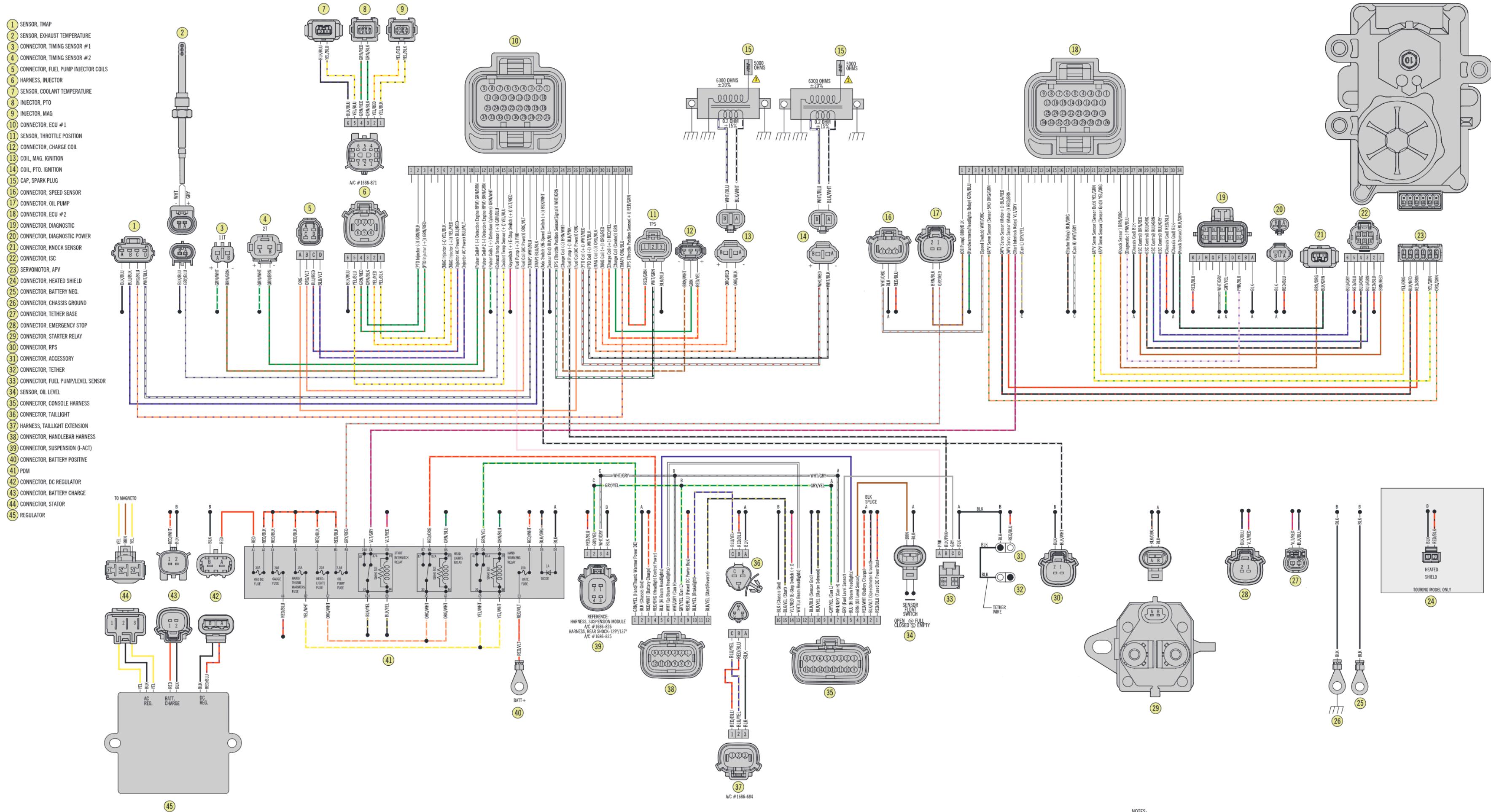
**Main Harness  
(p/n 1686-834)  
6000 Models**



**Main Harness  
(p/n 1686-872)  
8000 without ES**



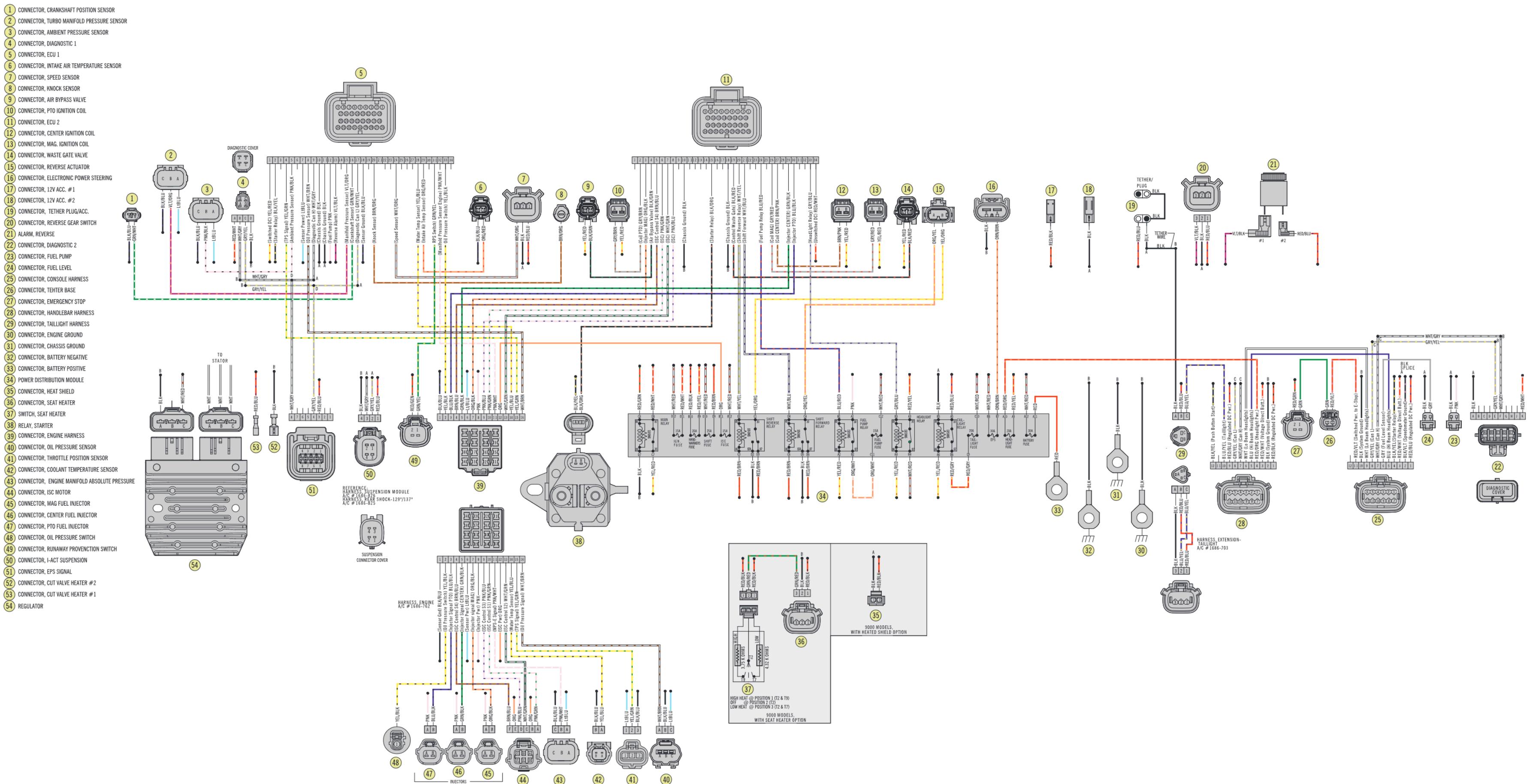
**Main Harness  
(p/n 1686-873)  
8000 ES Models**



**NOTES:**

1. CONNECTORS SHOWN FROM MATING SURFACE SIDE.
2. ⚡ MALE PIN TERMINAL  
○ FEMALE RECEPTACLE TERMINAL
3. REMOVE SPARK PLUG CAP TO MEASURE SECONDARY COIL RESISTANCE AND SPARK PLUG CAP RESISTANCE.
4. RESISTANCE VARIES BY TEMPERATURE, SEE CHART IN SERVICE MANUAL FOR RESISTANCE VALUE.
5. BLK ● INDICATES WIRE SPLICING, THIS EXAMPLE INDICATES BLK SPLICE A.

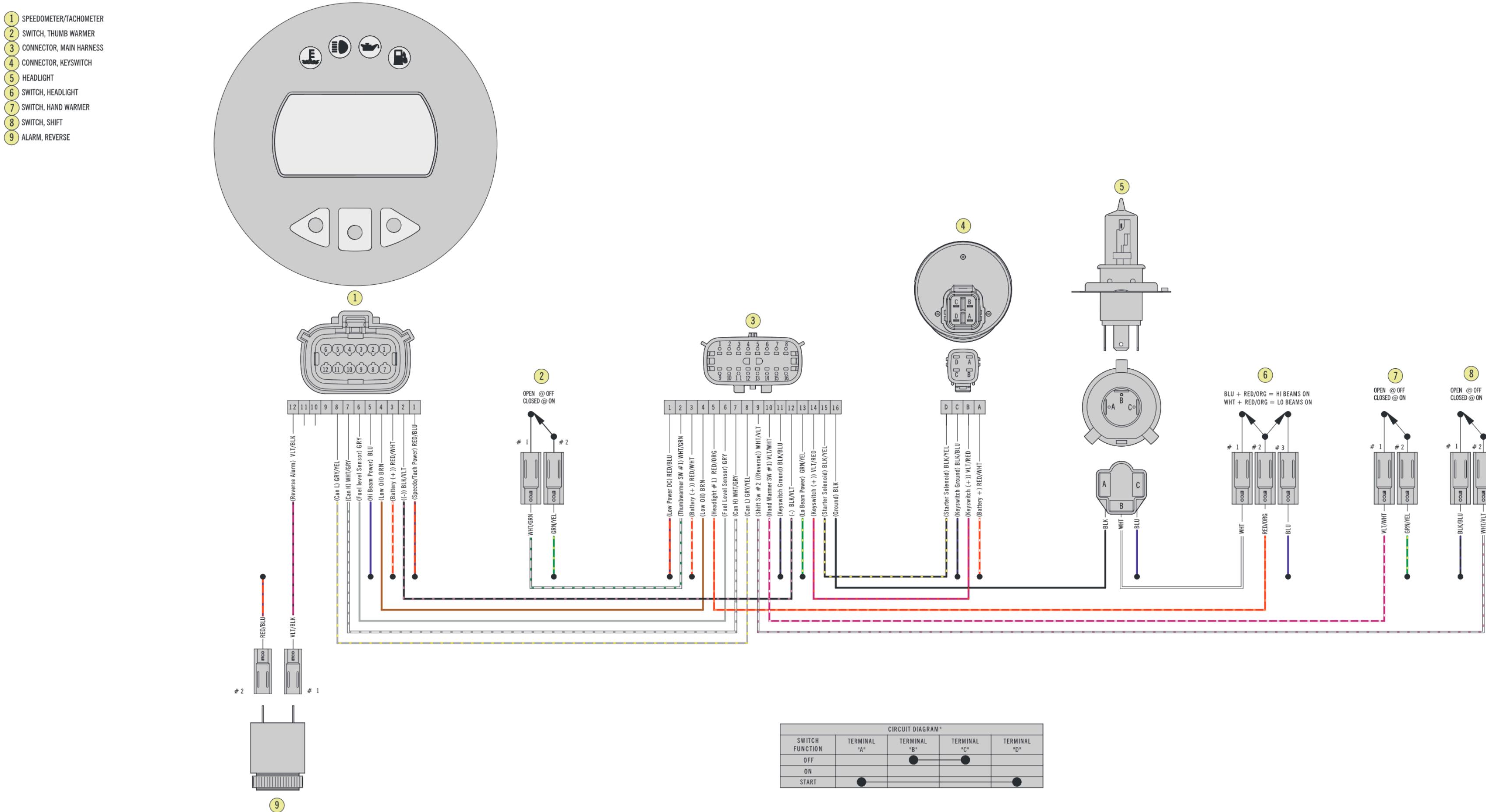
**Main Harness  
(p/n 1686-928)  
ZR 9000/Thundercat**



**NOTES:**

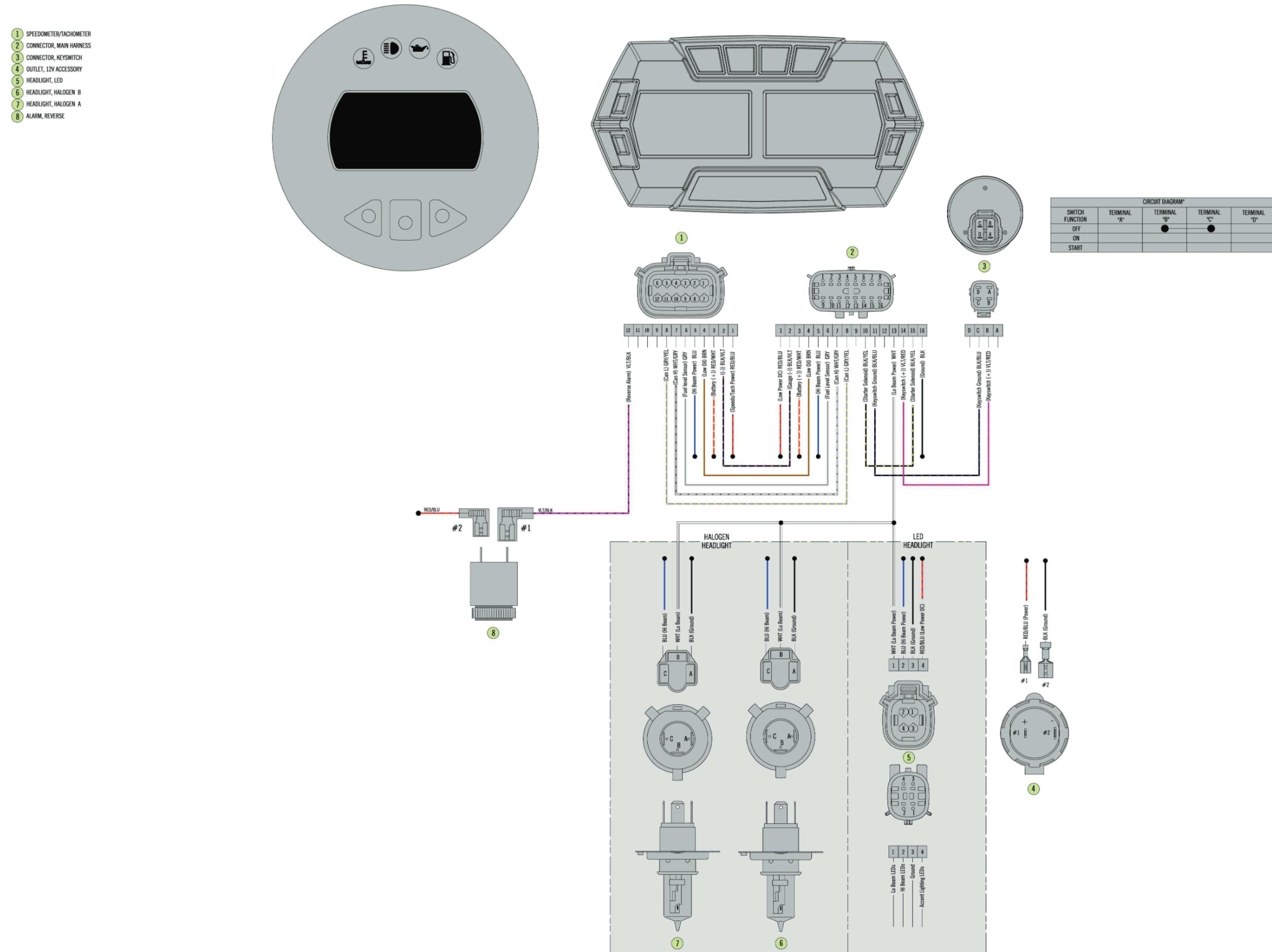
1. CONNECTORS SHOWN FROM MATING SURFACE SIDE.
  2.  MALE PIN TERMINAL  
 FEMALE RECEPTACLE TERMINAL
  3. BLK  INDICATES WIRE SPLICING, THIS EXAMPLE

**Hood Harness  
(p/n 1686-900)  
4000 Models**

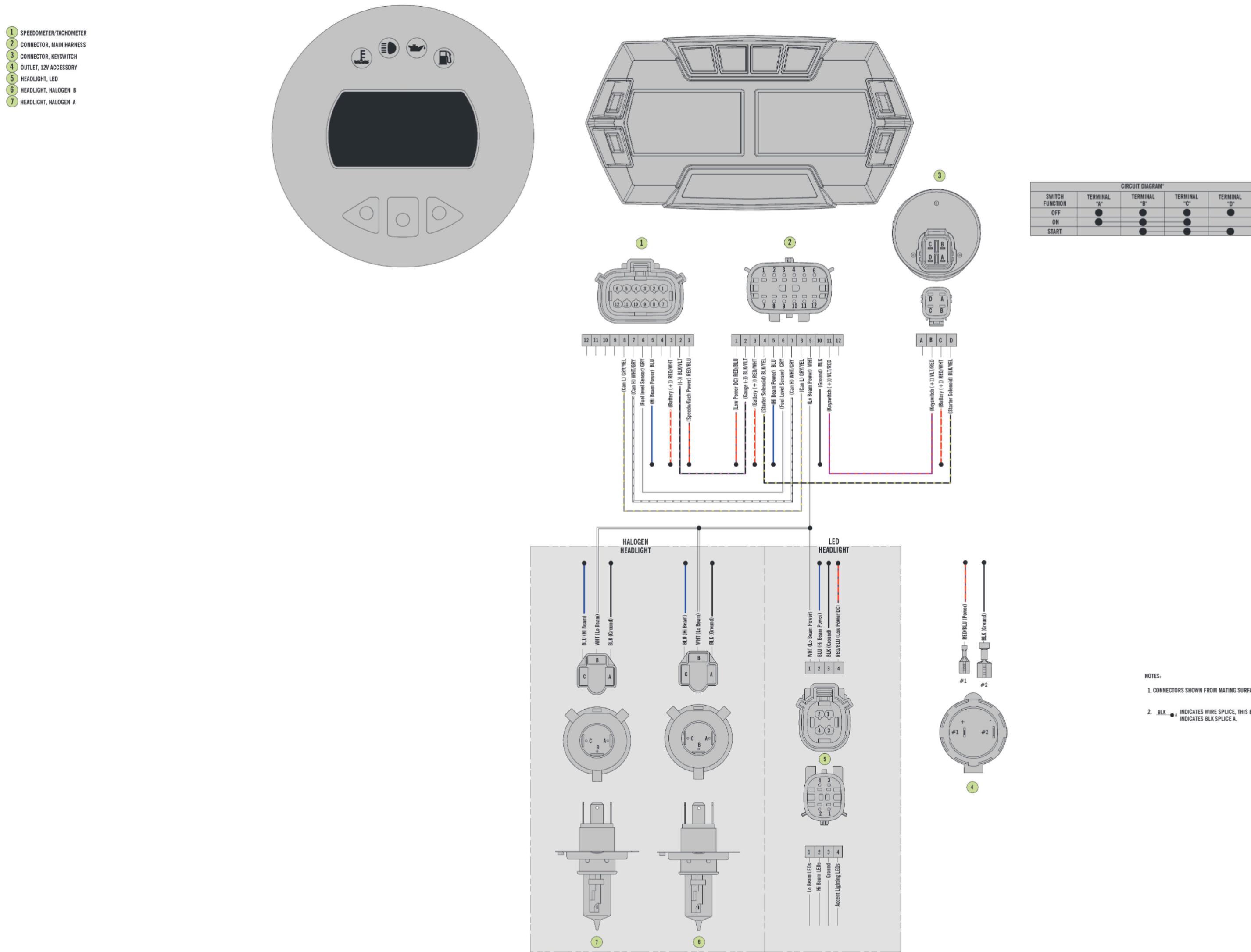


0753-524

**Hood Harness**  
**(p/n 1686-856/857)**  
**6000/8000 Models**



# Hood Harness (p/n 1686-771) 9000 Models



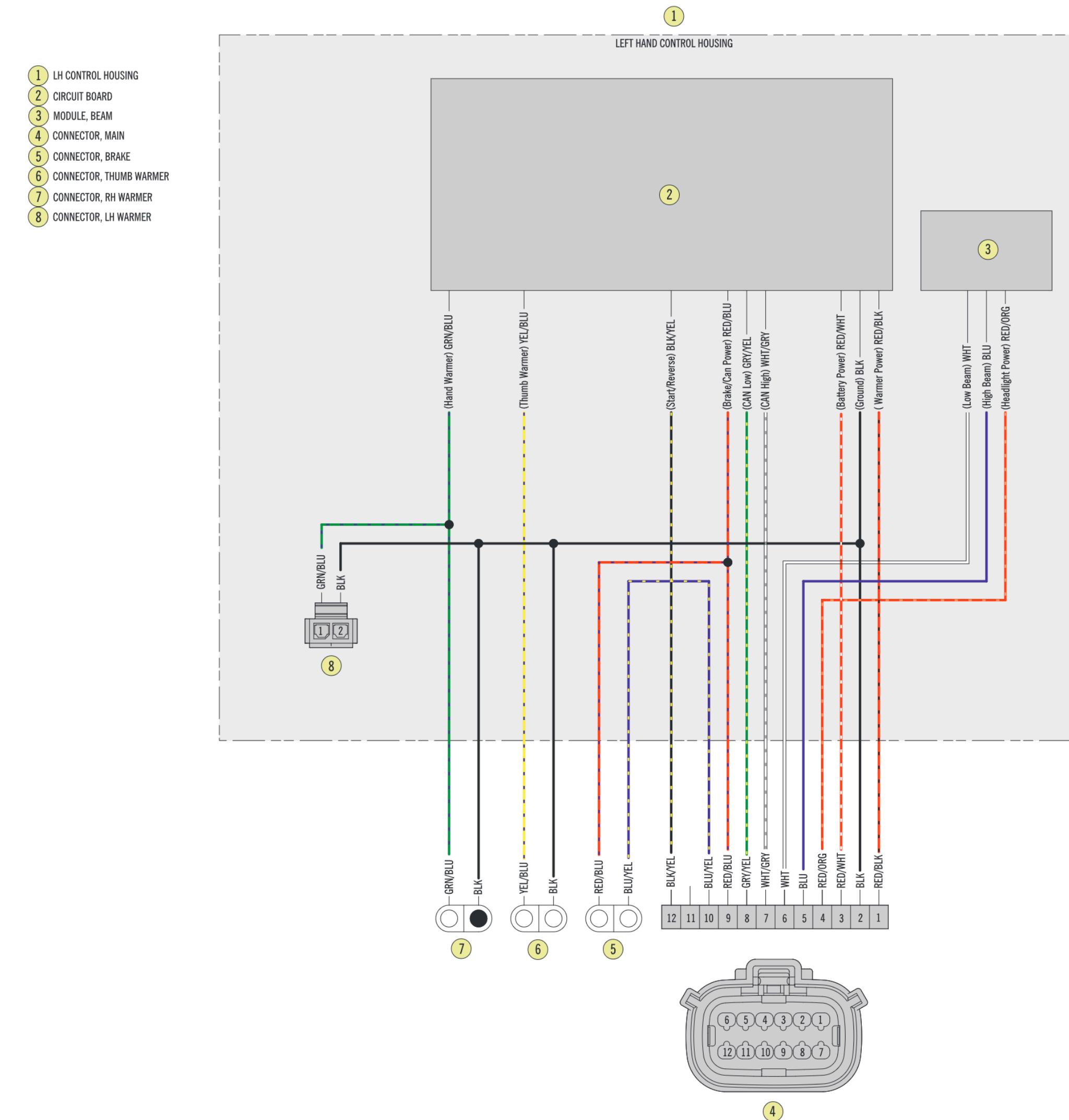
NOTES:

1. CONNECTORS SHOWN FROM MATING SURFACE SIDE.
2. BLK INDICATES WIRE SPLICING, THIS EXAMPLE

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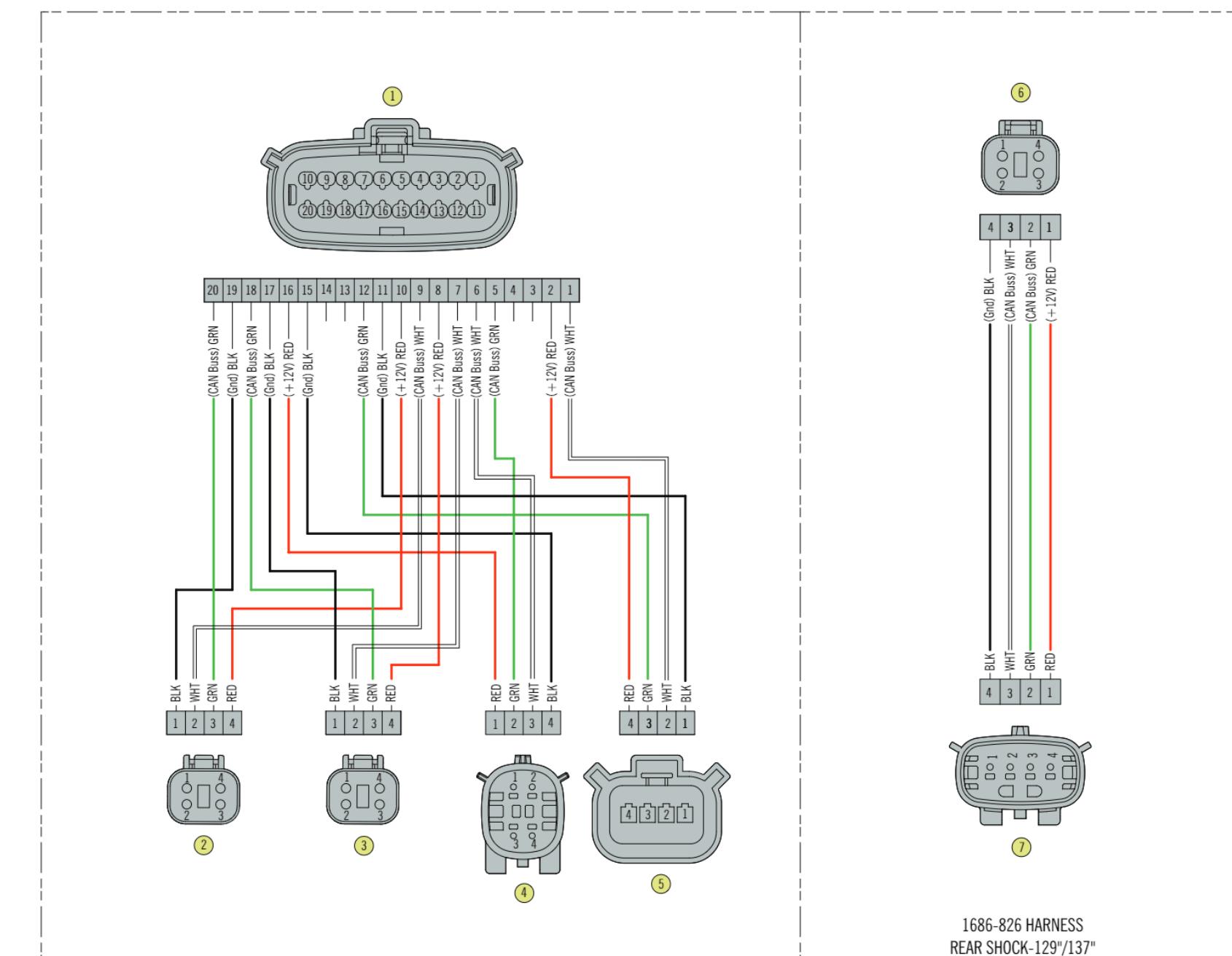
0752-224

**Left-Side Handlebar Control**  
(p/n 0609-843/971/973)



**ATAC Main Harness  
(p/n 1686-826)**

- ① CONNECTOR, SUSPENSION MODULE
- ② CONNECTOR, LEFT SKI
- ③ CONNECTOR, RIGHT SKI
- ④ CONNECTOR, POWER CAN
- ⑤ CONNECTOR, REAR TRACK
- ⑥ CONNECTOR, REAR SHOCK
- ⑦ CONNECTOR, REAR TRACK



0752-744