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| Station | | Task | |
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| Wiring diagrams | | | |
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# UNDERSTANDING SEADOO WIRING DIAGRAMS

## TASK OBJECTIVE

At the completion of this task the technician will be able to properly identify various circuits in Sea-Doo wire schematics. The technician will also be able to explain the meaning of each of the different code identifications within the schematic. Then the technician will be able to explain what would be the best approach to troubleshooting an identified circuit.

**PROCEDURES**

Using the supplied diagram, identify the following:

1. Using a Blue marker circle the battery, the starter solenoid, the relay in the fuse box and the start stop switch.
2. How many amp fuses protects the start stop switch? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Using a red marker and starting from the battery trace the line to both the high and low current side of the relay and to the Start/ Stop switch.
4. Using a green marker trace a line from all the ECM grounds to the engine ground.
5. List all the ECM ground terminal numbers.

1. \_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_

1. Using a blue marker and stating from ECM terminal B-F2 trace a line through the DS back to the ECM.
2. What terminal number and what wire color does the wire return to the ECM?

Terminal number = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Wire Color =\_\_\_\_\_\_\_\_\_\_\_

1. Using an orange marker and starting from the Start/ Stop switch trace the line to the ECM.
2. What is the terminal number and what is the wire color of the Start/ Stop switch activation wire to the ECM?

Terminal number = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Wire Color =\_\_\_\_\_\_\_\_\_\_\_

1. Using a blue marker trace a line from the ECM to the low current activation side of the relay.
2. What terminal at the ECM and what terminal at the fuse box are the relay activation terminals.

ECM terminal number = \_\_\_\_\_\_\_\_ Fuse box terminal number =\_\_\_\_\_\_\_\_

1. Using an orange marker trace a line from the high current side of the relay to ECM terminal number B-M4.
2. What size fuse protects this circuit? \_\_\_\_\_\_\_\_\_\_
3. List the components protected by this fuse. 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Using a yellow marker trace a line from the high current side of the relay to Fuel injector and Ignition coil number 3.
2. Examine the fuse-box (FB1). What terminals of the fuse box are for accessories? Power = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ground = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Examine the "throttle body with integrated motor actuator". What terminals are for the dual TPS signal wires? Terminal # \_\_\_\_ Wire color\_\_\_\_ and terminal # \_\_\_\_ Wire color\_\_\_\_.
4. What component supplies switched power to the OTAS switch and what is the wire color? Component = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ color = \_\_\_\_\_\_\_\_\_\_\_\_

**Instructor sign off-- Go \_\_\_\_\_\_\_\_\_\_**