

## Lesson Plan – Airboat Orientation (Subject)

No Reference Pieces Used. (Reference Statement)

Objectives: (Lesson Objectives)

- ✓ Be able to identify the components of an airboat.
- ✓ Be able to identify different types of their hulls and their performance characteristics.
- ✓ Be able to identify the different types of airboat engines.

No specific safety considerations for this chapter. (Safety Considerations)

We will move on to Chapter 2 – Maintenance when all students have a basic understanding of the lesson of the objectives for this lesson. (Assessment)

The instructor will use a trailered airboat to discuss the following components, hull designs and materials: (Procedure)

### **Components of an airboat**

- Rudder
- Propeller
- Cage
- Engine
- Cooling System
- Steering control
- Running Gear
- Exhaust
- Fuel Tank
- Driver's Platform
- Reinforced Hull

- Battery
- Other Airboat Components

### **Hull Designs and Materials**

#### **Basic hull design of airboats**

- Hull Materials (and characteristics)
- Fiberglass
- Aluminum
- Wood
- Stainless Steel

The instructor will provide this information in a lecture format and will have an actual airboat (on a trailer). (Instructor Actions)

All students should have a working knowledge of the basic design of airboats, the main components, and the operating characteristics of airboats. They should understand some of most common engine and hull types. (Desired Student Outcomes)