



**St. Louis County
Rescue Squad**

**Set Up and Operate
Diesel Light Plant**

Member Name: _____

Number: B-311

Revision: 0

Date: 03-01-06

Page: 1 of 2

OBJECTIVE

During an equipment checkout with an evaluator, locate, identify, and describe the controls and functions of the diesel powered telescoping light plant. Then, position and set up the unit to direct light to an area indicated by the evaluator, and start up the unit. When finished, the unit should sit level with all outrigger pads firmly seated, the boom raised and extended, and all four lights illuminated. *See separate criteria list associated with this module.*

PREREQUISITES

None

RESOURCES

None

ADDITIONAL RESOURCES

Any Rescue Squad member

AUTHORIZED EVALUATORS

Selected members. See your sergeant for a list of evaluators.

MAXIMUM RENEWAL TIME

3 years.



**St. Louis County
Rescue Squad**

**Set Up and Operate
Diesel Light Plant**

Member Name: _____

Number: B-311

Revision: 0

Date: 03-01-06

Page: 2 of 2

Skill Sheet

B-311, Set Up and Operate Diesel Light Plant

During an equipment checkout with an evaluator, locate, identify, and describe the controls and functions of the diesel powered telescoping light plant. Then, position and set up the unit to direct light to an area indicated by the evaluator, and start up the unit. When finished, the unit should sit level with all outrigger pads firmly seated, the boom raised and extended, and all four lights illuminated. Do you have any questions?

NOTES TO EVALUATOR:

Task	Go	No-Go
Positions unit on flat, level surface; firmly seats outrigger pads; checks bubble level on trailer tongue		
Visually inspects bulbs for damage and breakage		
Checks fuel and oil		
Turns key opposite of START for 5-10 seconds to prime glow plugs		
Turns key to engage starter		
Allows engine to enter smooth idle before engaging load		
Remove travel pins and elevates boom		
Extends boom		
Loosens pivot set screw; aims lights at desired area; tightens screw		
Engages Master ON switch; then power switches to ON		
NON-TESTABLE: Shuts off lights; waits 10 minutes for bulbs to cool down		
NON-TESTABLE: Shuts off engine		
NON-TESTABLE: Retracts boom; lowers boom; engages travel safety pins		
NON-TESTABLE: Retracts outriggers before moving trailer		

Critical Criteria

Check if Go; Circle if No-Go

- Does not elevate or extend boom without outriggers firmly seated
- Does not attempt to force parts to move with safety pins locked
- Attempts to start without priming glow plugs

_____ **Go**

_____ **No-Go**

_____ **Evaluator**
(Initial & 7100-number)