Practical Application Guide Sheet

Aerial Ladder – Elevated Master Stream – Detachable

**Driver Performance Competency:** The driver candidate shall display proficiency in deployment and operation of an elevated master stream either from a detachable ladder pipe nozzle or a fixed waterway system.

**Detachable Ladder Pipe Nozzle**

1. Position apparatus on a firm, level surface within stream reach of fire. Ensure that there are no overhead obstructions and that the apparatus is outside the collapse zone.

2. Transfer power from the drive train to the hydraulic system by operating the selector valve to transfer hydraulic power from the stabilization system to the aerial device system.

3. Set the stabilizers.

4. Prepare the ladder pipe for attachment to aerial ladder. Center the pipe on top two aerial ladder rungs.

5. Attach operational ropes to ladder pipe with appropriate knots and make sure that they will hang to the ground when the aerial ladder is raised.

6. Set appropriate nozzle stream – fog or straight on end of nozzle.

7. Attach the ladder pipe and hose to the aerial ladder with a short piece of rope or webbing.

8. Attach supply hose to aerial ladder – 3” or 3½” hose run down the center of the ladder, lashing hose to ladder at least once every 15-20 feet.

9. Attach Siamese appliance to the opposite end of the ladder pipe supply hose.

10. Attach supply hose to the Siamese from pumper or other water supply source.

11. Raise the aerial ladder to the desired operational position – check for overhead obstructions before lifting the aerial ladder from the bed.

12. Engage the aerial ladder locks.
13. Check the ladder pipe control ropes to ensure that they hang down freely and will allow the ladder pipe to be moved up and down.

14. Charge the waterway and operate the fire stream - solid stream nozzles are operated at 80psi and fog streams are operated at 100psi.

15. Tighten any leaking coupling connections.

16. Adjust as necessary, stop flow before repositioning or before a firefighter climbs to the tip.