AERIAL PLATFORM CONTROL STATIONS

The Sutphen elevating platform has three main aerial device control stations: the stabilizer control station, the lower control station known as the pedestal, and the upper platform control station. These controls and safe operation procedures will be discussed in the following section.

Stabilizer Control Station

The stabilizer control panel is located on the driver's side of the vehicle, in a compartment directly behind the jump seat, below the turntable.

The following controls and indicators are found in the stabilizer control compartment:

— Right side, front stabilizer extension and elevation controls.
— Left side, front stabilizer extension and elevation controls.
— One control for the extension of both rear jacks.
— One control for the extension of the front suspension stabilizers.
— Stabilizer/aerial device power transfer switch.
— An auxiliary hydraulic power switch for use in the event of a failure of the main hydraulic pump.
— Two-speed control to allow for high-speed operation of the hydraulic controls.
— Stabilizer Interlock System (SIS) indicator lights. Next to control panel
— Hydraulic pressure gauge.
— Inclinometer.
— Cab tilt switch and safety release handle.
Pedestal- (Lower) Control Station

The lower control station is located on the turntable pedestal. This station contains controls for operation of the aerial device. These controls are direct manual override controls to permit the lower operator to manually override any operation of the platform control system.

The following controls are located on the pedestal control station:

- Extension/retraction hydraulic control valve - controls the extension and retraction of the aerial device.
- Raise/lower control valve - controls the elevation of the aerial device.
- Rotation hydraulic valve - allows the turntable to be rotated in either direction.
- Panel light - illuminates controls for nighttime operation.
- Intercom with volume control and PTT - allows communication between personnel in the platform and on the turntable.
- Upper boom power emergency stop (red button)
— Low Range Control Power
— Aerial status indicator with alarm.
— SCBA air warning system.
— GPM or flow gauge.
— Pedestal nozzle controls.
— Ladder Blue Lights.
— Boom light switch- activates platform/boom lights.
— Low system voltage light and buzzer.
— Alignment lights.
— Panel lid.
— Mechanical intelock override button (gray button).

Platform- (Upper) Control Station
The upper control station is located in the platform. All controls are identified and are provided with operational instruction plates.

The following hydraulic controls, electronics and SCBA connections are located on the platform control station:

— Extension/retraction electric over hydraulic control valve- controls the extension and retraction of the aerial device.
— Raise/lower control valve- controls the elevation of the aerial device.
— Rotation electric over hydraulic valve- allows the turntable to be rotated in either direction.
— Panel light- illuminates controls for nighttime operation.
— Voice actuated intercom- allows communication between personnel in the platform and on the turntable.
— Leveling system disable and emergency stop switches.
— Low Range Control Power
— Aerial status indicator with alarm.
— Jack system warning light.
— SCBA air warning system.
— Platform nozzle controls.
— Nozzle stream adjustment.
  • Rotation.
  • Elevation.
— Rung alignment light.
— Two 125-volt junction boxes.
— SCBA manifold with four quick connections.
— Alarm silence
— Boom light switch (blue lights)
— Boom lights from pedestal