Integral Cab Tilt
The vehicle has a heavy-duty integral cab tilt mechanism capable of tilting the cab to a point where it provides unobstructed access for servicing the engine and cooling system, 45-degrees. Two (2) cab lift cylinders, with pilot valves, are activated by an electric over hydraulic tilt system. The cab has dual interlocks to prevent the cab from tilting when the parking brakes are not applied. A dead man switch in the remote control is the secondary interlock.

The system incorporates a remote control and a storage box to adequately protect it. The remote control allows the operator to safely stand a minimum of 10’ away from the apparatus while viewing the surrounding cab area when it is being tilted. A step-by-step operations label is provided inside the storage box.

The tilt system has a manual override system which is clearly labeled for identification and accessible through a hinged panel for easy operation. Two (2) built-in swing-down safety bars provide support the cab and the extended cylinders when in the fully tilted position.

The cab is capable of tilting to a 90-degree angle with the assistance of an overhead hoist to facilitate unobstructed removal of the engine and/or radiator. There are attachment points to safely facilitate tilting the cab to a 90-degree angle.
Cab tilt compartment

Located on panel of officers side of apparatus

** Numerous warning labels

- On outside of compartment – Electrocution Hazard. Reminds operator that tilting of the cab will increase vehicles height and to beware of overhead wires before tilting.

- Inside of compartment – Instructions for Cab Tilt.

- Inside of compartment – Cab tilt safety bar instructions.

Note, when cab is being tilted, it must be placed into the full tilt position to utilize locks!
Cab lock. To engage – turn to unlock safety bar, pull fully to engage safety bar on officers side of apparatus, turn back to lock.

Cab jack control, hold toggle switch in the up position and press lower button.

Note – safety bar can only be engaged when cab is tilted fully in the up position.

To lower cab, ensure lock is off, push toggle switch into the down position, the cab will lower to normal operating position and lock.
Note the “C” channel lock has surrounded the shaft of the hydraulic ram.

Cab lock arm in locked position. This position is achieved by using the cab lock mechanism in the cab tilt compartment.
Engineers side cab lock. Note, this lock is mechanical & not hydraulic. Upper photo – “C” channel lock is in the stored position and is being held by the rubber strap.

Lower photo – “C” channel lock is in the lock position, rubber strap released and the channel is surrounding the shaft of the hydraulic ram. Note, can only be utilized when cab is fully tilted.