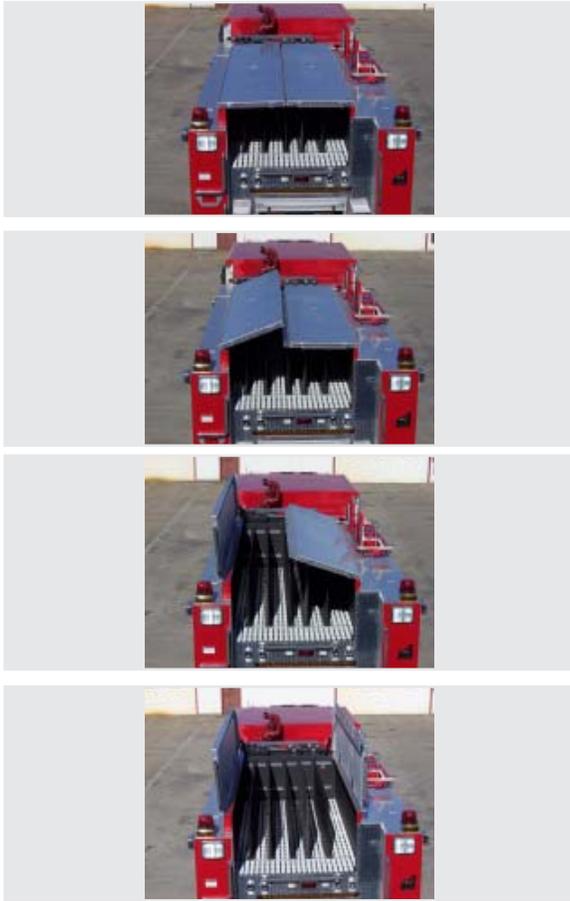


Aluminum Hose Bed Cover



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The hose bed storage area is covered with two (2) hinged aluminum treadplate doors. The doors are hinged on the outside edges, utilizing full length stainless steel piano hinges. The doors lift up and out towards the outside of the body and are fabricated with 1/8" aluminum inner panel for superior strength. The outside sheet is constructed of non-slip treadplate.

The hose bed doors are power operated utilizing a self-contained hydraulic system. The system pressure of the hydraulic system is factory set to a pressure that will smoothly power the doors upward and downward. The system is designed to keep the doors firmly open when reloading hose as well as to hold the doors firmly down in the travel position. Mechanical locks are not required in order to avoid possible injury from accidental closing of doors.

HYDRAULIC OPERATION FOR ADDED SAFETY



The hydraulic cylinders that are located in the front of the hose bed storage area are utilized to open and close the hose bed doors. The hydraulic system, which is powered by a Parker Hannafin 108 self-contained power unit, was designed to only allow the doors to operate at a pre-determined factory setting.

The system only allows one door to move at a time. When the doors are in the closed position, the cylinders are lowered into a compartment that is separate from the stored hose to ensure unobstructed hose deployment operations. The cylinder pins attached to the doors are designed to be removable in the event of a mechanical or electrical failure.



A momentary switch, which requires the operator to hold it until the desired door position has been achieved, is utilized to raise and lower the doors. The switch is located at the rear of the unit in a convenient location allowing the operator to view the hose bed doors while operating the mechanism from ground level.

The power unit is interlocked with the parking brake and is only operable when the parking brake is applied. The doors are connected to the open door warning system when in the open condition. An audible alarm is located towards the front of the hosebed area designed to warn possible occupants of the hosebed area that door movement is occurring.



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