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**THEORY OF OPERATION**

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**0003 00****GENERAL**

The Palletized Load System (PLS) Crew Protection Kit consists of two armored doors, roof armor, windshield ballistic glass, three blast deflectors, one upper and one lower brush guard, forward and rear side armor panels, rear cab armor panels, an armored access cover (front), and an armored escape hatch (roof).

The door armor attachment assembly consists of an armor panel and hinge that is mounted to the existing door frame and is bolted in place of the existing door's hinge. The armored door assembly (which incorporates a sliding armored window) is bolted to the door armor attachment assembly. The roof armor panel is installed using the existing bolt hole pattern (used for the machine gun mount) on the roof on the passenger side and the mounting brackets (front and rear) on the driver's side. The Roof Armor is a one-piece panel that requires material handling equipment (hoist, forklift, etc.) for installation due to its weight. The windshield and side windows are constructed of ballistic glass. The remaining armor panels are fastened to the vehicle using attachment brackets and Grade 8 attachment hardware.

**END OF WORK PACKAGE**

