

Mine Resistant Ambush Protected (MRAP) Photoluminescent Egress Tape Markings

22 August 2013

This document provides MRAP crews with the recommended kits and locations for Photoluminescent (glow-in-the-dark) tape supplied by Defense Holding Incorporated.

Internal vehicle locations identified in this document are considered the minimum required to provide occupants adequate situational awareness of exits in conditions when power is lost in the event of a roll over or other emergencies.

SECTION I – PHOTOLUMINESCENT TAPE KITS

DESCRIPTION

The DHi PL tape is a high performance rechargeable luminous film used for safety and emergency exit “glow in the dark” signage and markings. Some of the PL attributes are listed below:

- Meets and exceeds ASTM E2072 and IMO A.752
- Passively charged in minutes by UV light sources, i.e. sun or electric light sources such as fluorescent/incandescent lights, black lights or flashlights
- Extremely safe, highly effective, and very durable
- Once fully charged by a light source, the afterglow remains visible for 8+ hours after the light source is removed; best light source is the sun
- Charge and discharge over very extended periods of time; longevity is expected to be at least 30+ years
- Excellent chemical and stain resistance
- Easily cleaned with a citrus based cleaner
- No heavy metals or radioactive materials used in manufacture of this product
- May be safely disposed of in a sanitary landfill or by incineration

PHYSICAL PROPERTIES

- Thickness (film & adhesive): 8-9 mils (0.2 -0.22 mm);
- Service temperature range: -30°F to 200°F (34°C to 90°C)
- Applied shrinkage: 0.031 inch (0.8 mm)

CHEMICAL CHARACTERISTICS

- Resists mild acids, mild alkalis, and salt spray
- Excellent water resistance

KIT CONTENTS

MRAP Variants should order the kit listed below:

- NSN: 9390-01-570-7240
- P/N: NLN131JBPE-KIT2Y
- 100 ft of 1” wide Adhesive Backed PL Tape
- 25 ft of 1” wide Magnetic Backed PL Tape
- Alcohol Wipes

RG-31 variants should order Enhanced Basic Kits.

- NSN: 9390-01-575-9940
- P/N: NLN131JBPE-KIT4Y
- 100 ft of 1" wide Magnetic Backed PL Tape
- 25 ft of 1" wide Adhesive Backed PL Tape
- Alcohol Wipes

INSTALLATION, CLEANING AND REMOVAL INSTRUCTIONS

Prior to installing the tape, clean application area using wipes provided in kit. Ensure the application area is dry prior to applying tape.

Installation: Application temperature range is between 50°F to 100°F (10°C to 38°C), Clean surface where tape is to be applied with denatured alcohol. Let dry thoroughly before applying the tape to location.

Cleaning tape: Gently wipe with citrus based cleaner.

Removal: The tape has an aggressive, pressure sensitive adhesive. If available, the use of a heat gun or steam cleaner will aid in removal. A citrus based cleaner is recommended for the removal of adhesive residue from substrates.

AREAS TO BE MARKED

Front Doors -Organized by Door Assist Mechanism Type

- Release Latches
- Parameter of Doors

Gunner Turret Hatch

- Area Around Turret
- Release Latches

Emergency Egress Hatch

- Release Latches
- Handles
- Parameter Around Egress Hatches

Rear Door

- Release Latches
- Perimeter of Door

PLACEMENT RECOMMENDATIONS

- Place magnets/tape on opposite side of hinges.
- Place tape on ALL combat lock mechanisms on the inside of the vehicle for clear identification.

- Take blackout modes of operation into consideration when placing tape/magnets into their locations.
- Try to only use magnets/tape to mark latches or combat lock mechanisms on a door or hatch.
- Utilize the hull around the door or hatch to mark the perimeter of the door or hatch.

SECTION II – INTERNAL VEHICLE PHOTOLUMINESCENT TAPE LOCATIONS BY VARIANT

M-ATV (M1240/M1240A1)

Front Doors

- Perimeter of Doors
- Combat Lock Area
- Release Latches

Gunner Turret Hatch

- Area around Turret
- Release Latches

Rear Doors

- Perimeter of Doors
- Combat Lock Area
- Release Latches



FRONT DOORS

Materials Required

- 36" Adhesive Backed Tape per front door
- Cleaning wipes

Front Doors

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place adhesive backed tape around perimeter of door at locations shown
- Allow 1 hour to cure prior to use



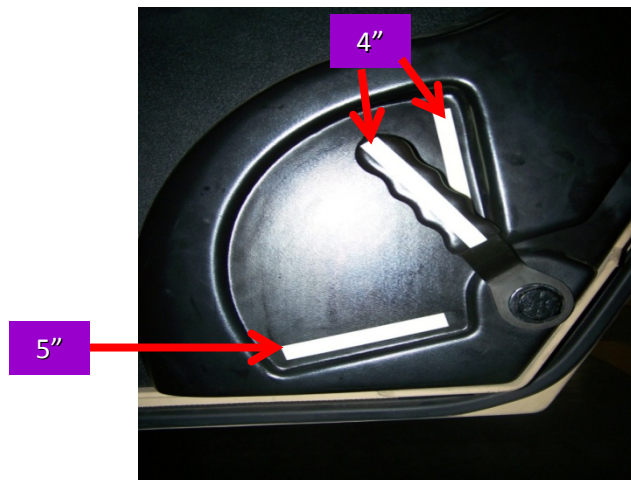
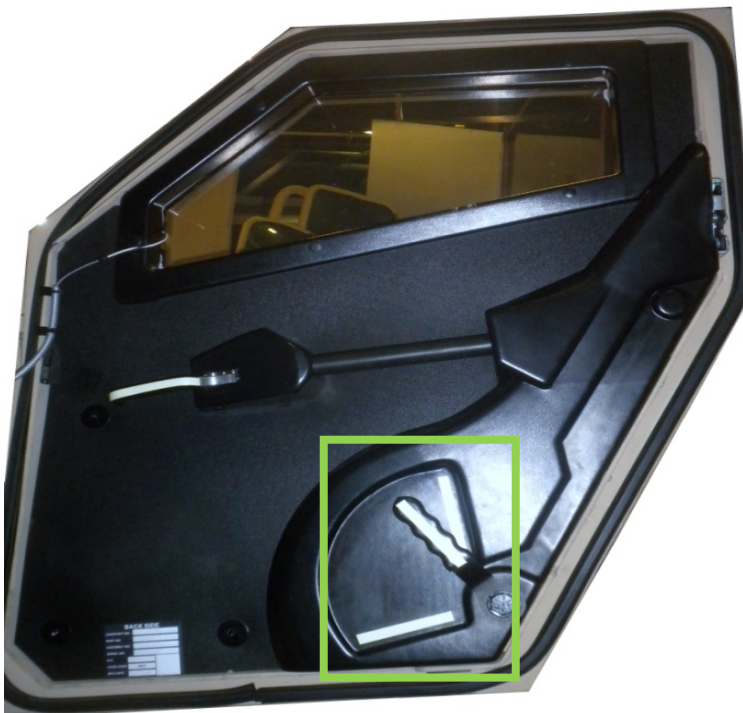
Materials Required

- 26" Adhesive Backed Tape
- Cleaning Wipes

Combat Lock

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place adhesive backed tape along combat lock handle at location shown
- Place adhesive backed tape along the plastic door liner at location shown
- Place adhesive backed tape along the plastic door liner at location shown
- Allow 1 hour to cure prior to use

Repeat for other front door



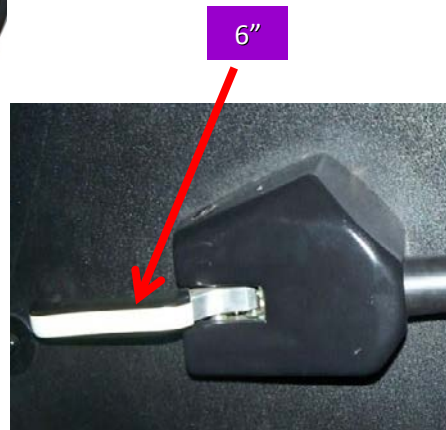
Materials Required

- 12" Adhesive Backed Tape
- Cleaning Wipes

Door Handle

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape along door latch location as shown
- Allow 1 hour to cure prior to use

Repeat for other front door



GUNNER HATCH

Materials Required

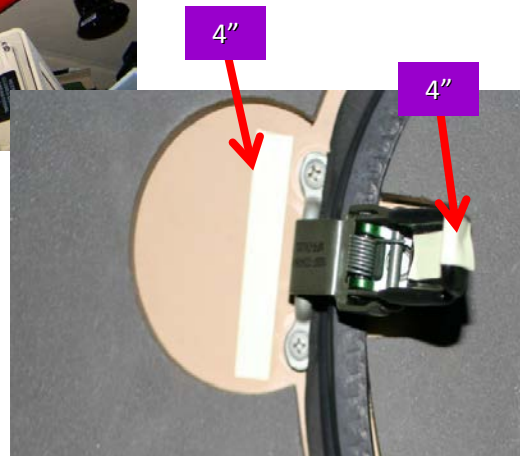
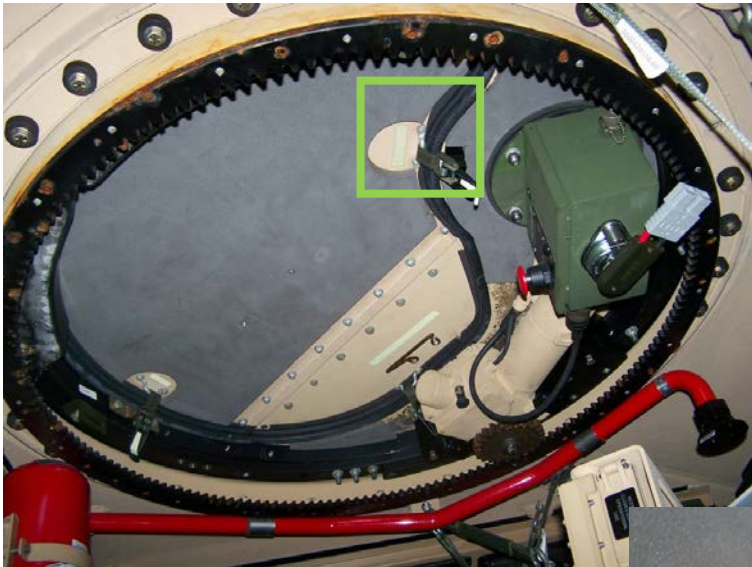
- 8" Adhesive Backed Tape
- Cleaning Wipes

Turret Hatch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape on hatch at both locations shown
- Allow 1 hour to cure prior to use

Turret Hatch Latch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape on latch at location shown
- Allow 1 hour to cure prior to use



Materials Required

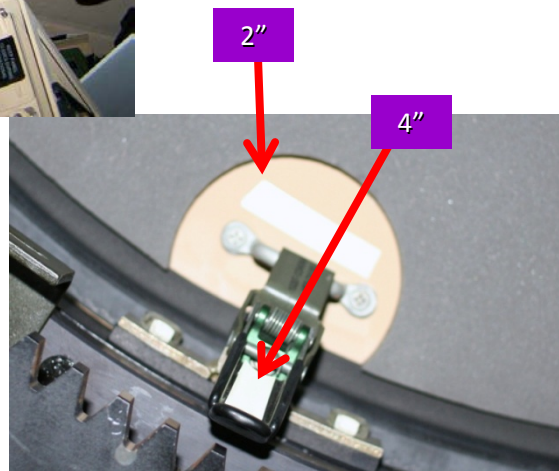
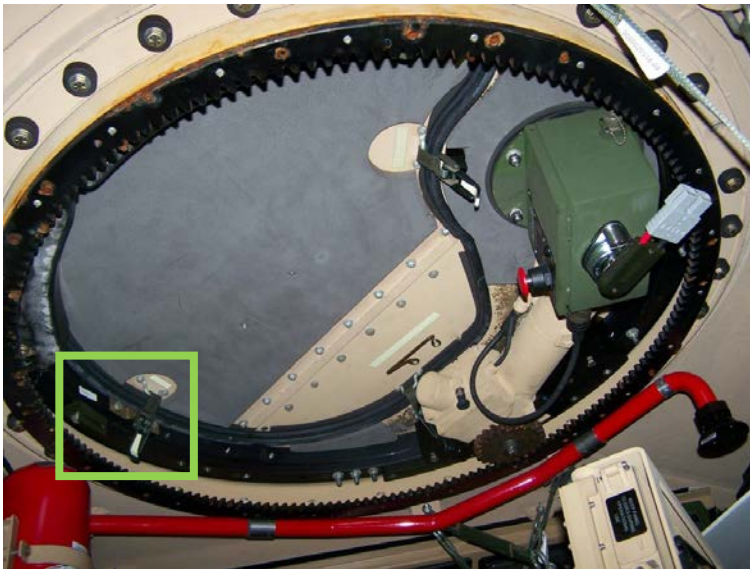
- 6" Adhesive Backed Tape
- Cleaning Wipes

Turret Hatch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape on hatch at both locations shown
- Allow 1 hour to cure prior to use

Turret Hatch Latch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape on latch at location shown
- Allow 1 hour to cure prior to use



Materials Required

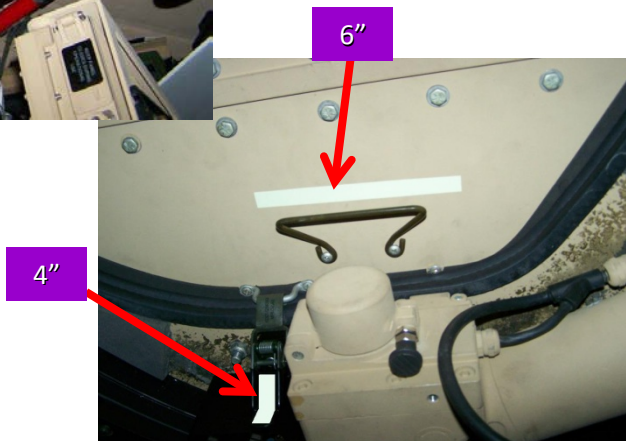
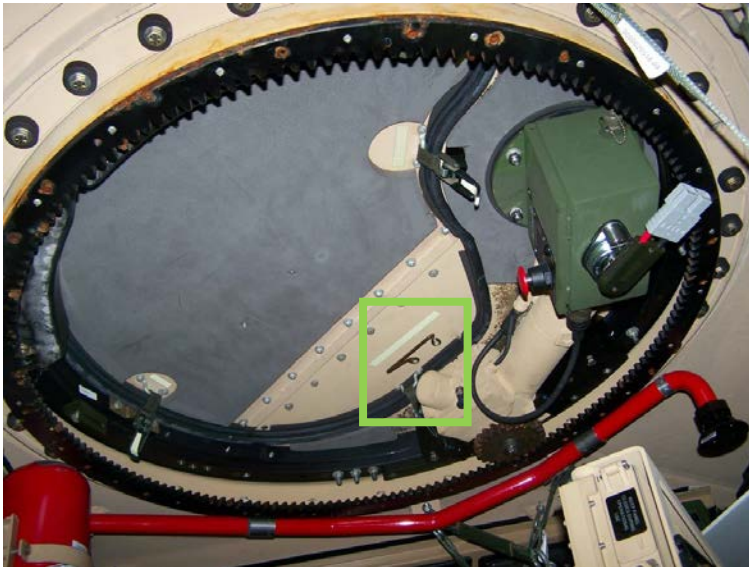
- 10" Adhesive Backed Tape
- Cleaning Wipes

Turret Hatch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape on hatch behind handle at location shown
- Allow 1 hour to cure prior to use

Turret Hatch Latch

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape on latch at location shown
- Allow 1 hour to cure prior to use



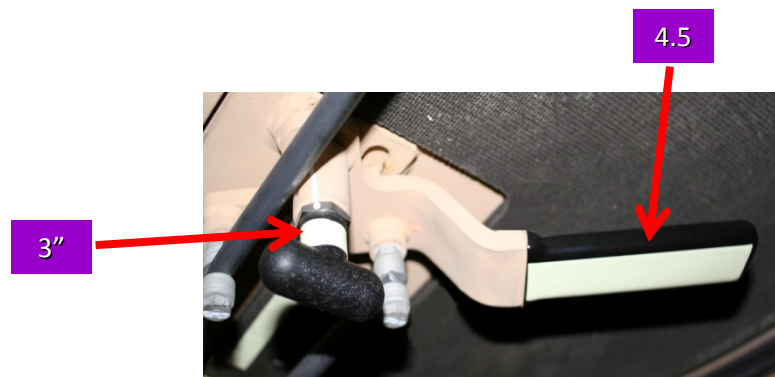
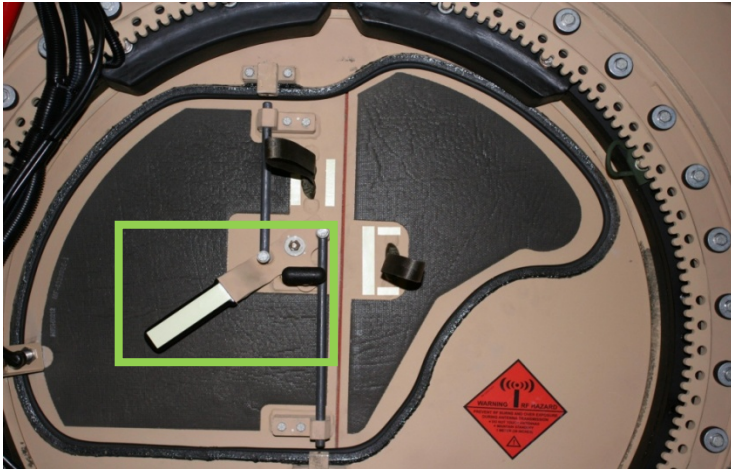
CROWS CLAM-SHELL HATCH

Materials Required

- 7.5" Adhesive Backed Tape
- Cleaning Wipes

RWS Split Hatch Release/Latch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape around T-HANDLE pin at location shown
- Place full-width adhesive backed tape on handle at location shown
- Allow 1 hour to cure prior to use

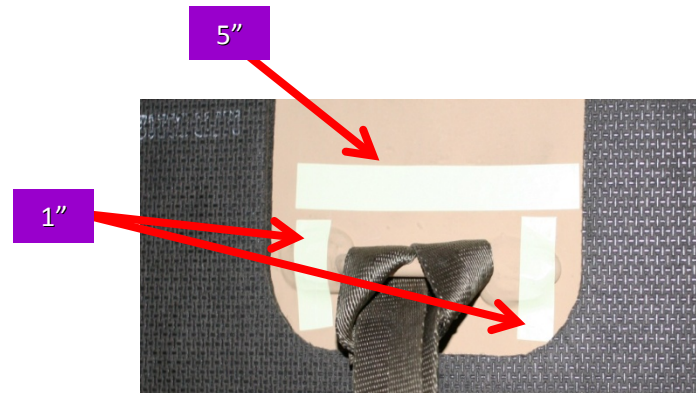
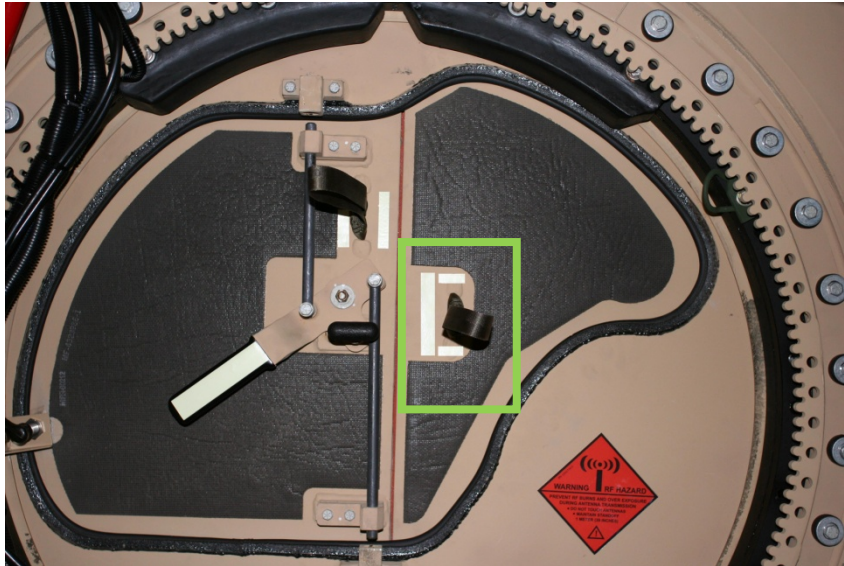


Materials Required

- 7" Adhesive Backed Tape
- Cleaning Wipes

CROWS Split Hatch Strap

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape along strap at location shown
- Place half-width adhesive backed tape around strap at locations shown
- Allow 1 hour to cure prior to use

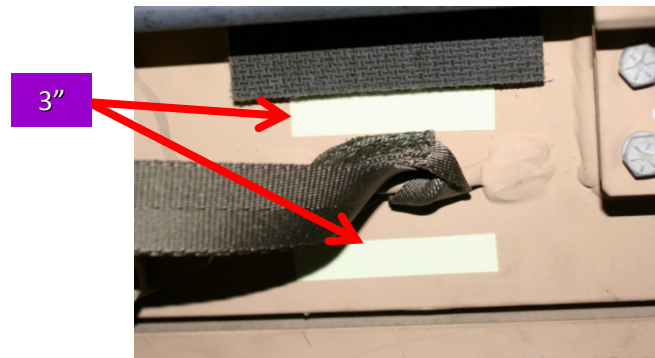
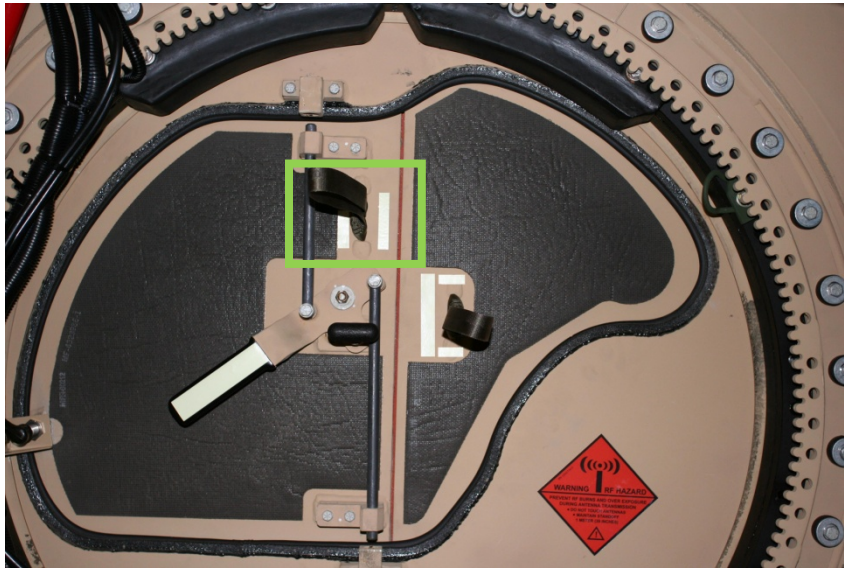


Materials Required

- 6" Adhesive Backed Tape
- Cleaning Wipes

CROWS Split Hatch Release/Latch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape around strap at locations shown
- Allow 1 hour to cure prior to use



REAR DOORS

Materials Required

- 72" Adhesive Backed Tape
- Cleaning Wipes

Rear Door

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place full-width adhesive backed tape around perimeter of door at locations shown
- Allow 1 hour to cure prior to use

Repeat for other rear door



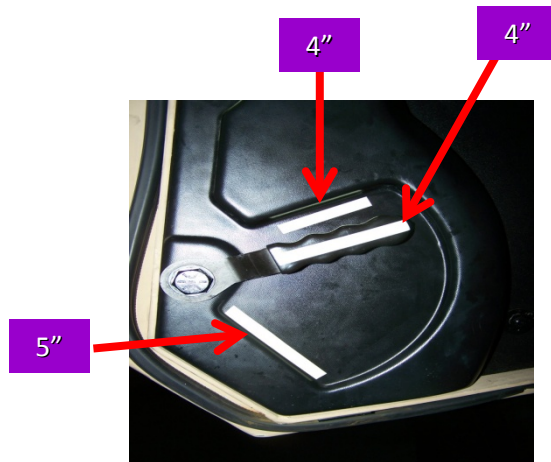
Materials Required

- 26" Adhesive Backed Tape
- Cleaning Wipes

Combat Lock

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape along combat lock handle at location shown
- Place half-width adhesive backed tape along the plastic door liner at location shown
- Place half-width adhesive backed tape along the plastic door liner at location shown
- Allow 1 hour to cure prior to use

Repeat for other rear door



Materials Required

- 12" Adhesive Backed Tape
- Cleaning Wipes

Combat Lock

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive back tape on each side of door latch location as shown
- Allow 1 hour to cure prior to use

Repeat for other rear door



MaxxPro Dash ISS with MSU (M1235A1)

Front Doors -Organized by Door Assist Mechanism Type

- Release Latches
- Perimeter of Doors

Front Ramp Controls

- Electrical Switch

Rear Ramp Controls

- Electric Switch
- Manual Pump Override
- Manual Pump Handle
- Ramp Release Valve

Gunner Hatch

- Area around Turret
- Release Latches

Fire Suppression

- Manual Activation Switch

Emergency Egress Hatch

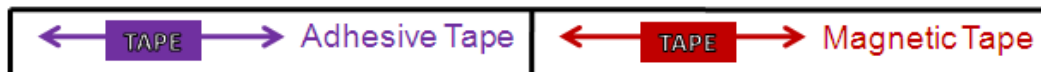
- Release Latches
- Handles
- Parameter Around Egress Hatches

Roof

- Roof Center Line

Ramp

- Release Latches
- Parameter of Door
- Stair Treads
- Combat Lock Manual Override
- Rear Door Pin Manual Override Extension



FRONT DOORS

Materials Required

- 25" Adhesive Backed Tape per door
- Cleaning Wipes

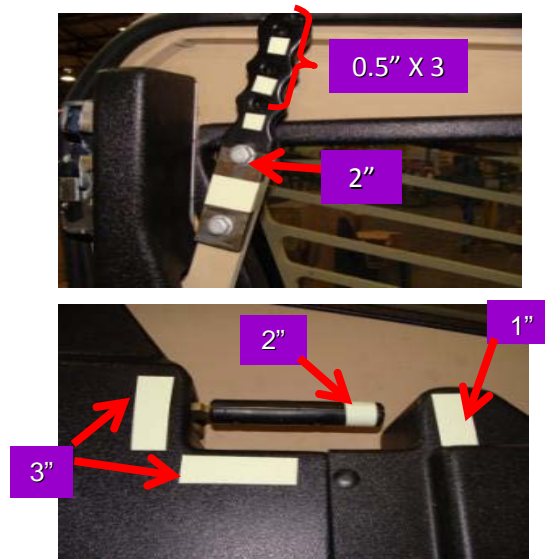
Combat Lock

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape around combat lock handle at location shown ensuring to overlap the tape
- Allow 1 hour to cure prior to use

Door Handle

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive back tape around door handle at least once ensuring to overlap the tape
- Place adhesive backed tape around handle location as shown
- Allow 1 hour to cure prior to use

Repeat for other door



RAMP OPERATIONS - FRONT CONTROLS

Materials Required

- 2" Adhesive Backed Tape
- Cleaning Wipes

Front Electric Switch

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape and place around toggle switch as shown
- Allow 1 hour to cure prior to use



FIRE SUPPRESSION

Materials Required

- 3" Adhesive Backed Tape for KIDDE/FIRETRACE system
- Cleaning Wipes

Fire Suppression Manual Activation

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape and place on each manual activation switch safety cover
- Allow 1 hour to cure prior to use



GUNNER HATCH

Materials Required

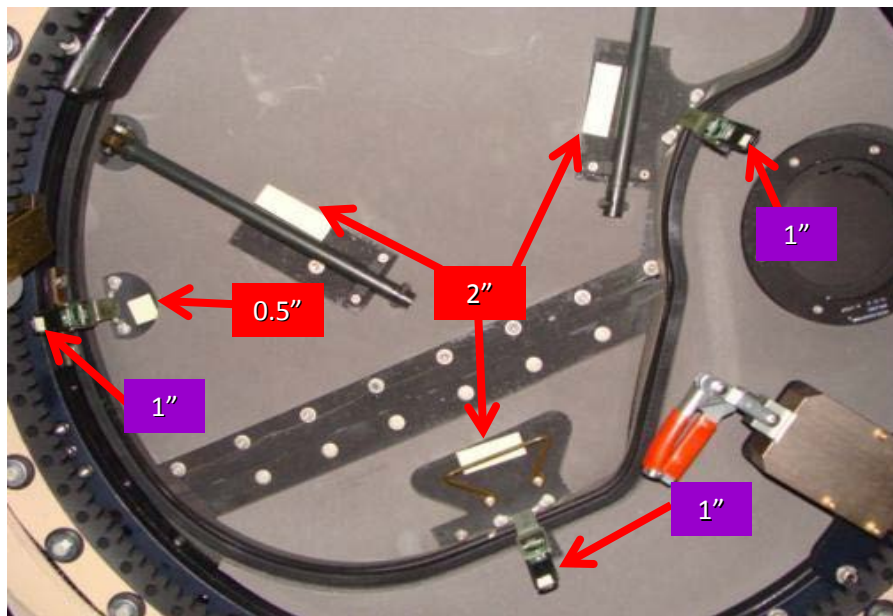
- 3" Adhesive Backed Tape
- 6.5" Magnetic Backed Tape
- Cleaning Wipes

Turret Hatch Latches

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape on handle as shown on all three latches
- Allow 1 hour to cure prior to use

Turret Hatch and prop bars

- Hatch allows use of magnetic strip to be used at these locations. However adhesive tape may be used
- If adhesive tape is to be used, clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place at locations as shown



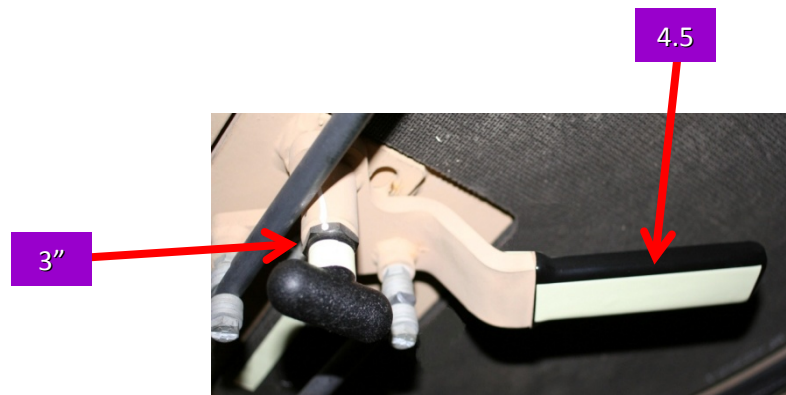
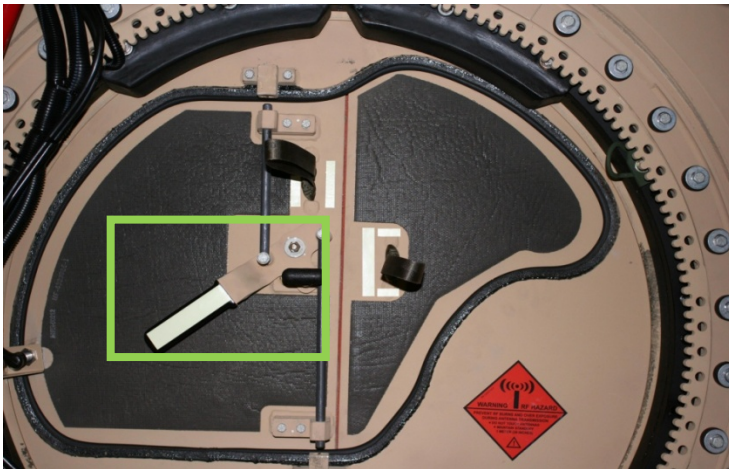
CROWS CLAM-SHELL HATCH

Materials Required

- 7.5" Adhesive Backed Tape
- Cleaning Wipes

RWS Split Hatch Release/Latch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape around T-HANDLE pin at location shown
- Place full-width adhesive backed tape on handle at location shown
- Allow 1 hour to cure prior to use

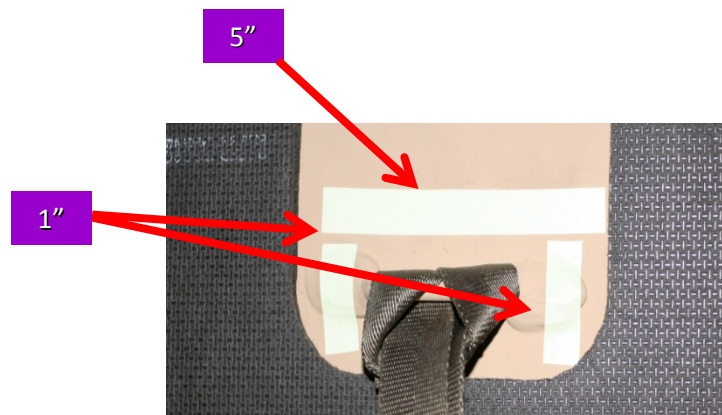
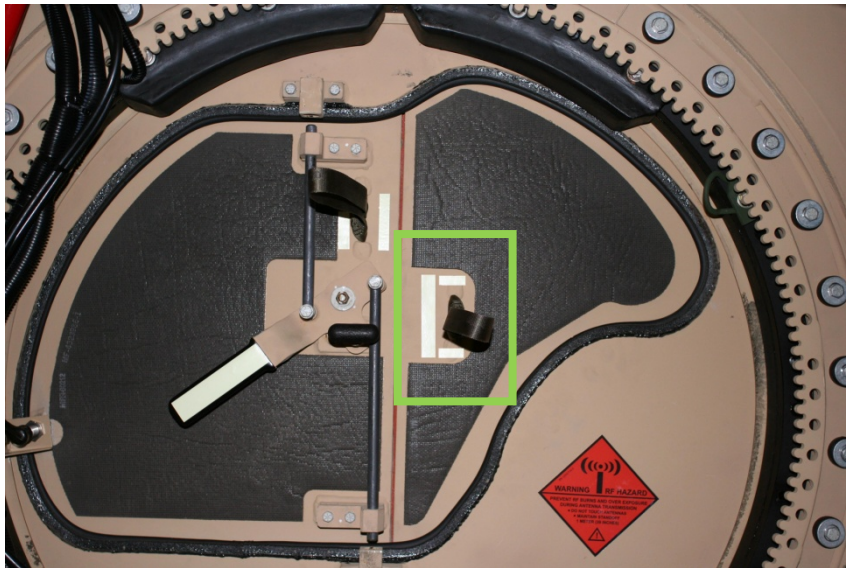


Materials Required

- 7" Adhesive Backed Tape
- Cleaning Wipes

CROWS Split Hatch Strap

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape along strap at location shown
- Place half-width adhesive backed tape around strap at locations shown
- Allow 1 hour to cure prior to use

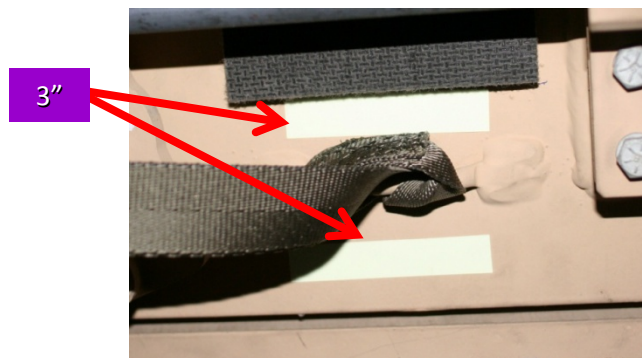
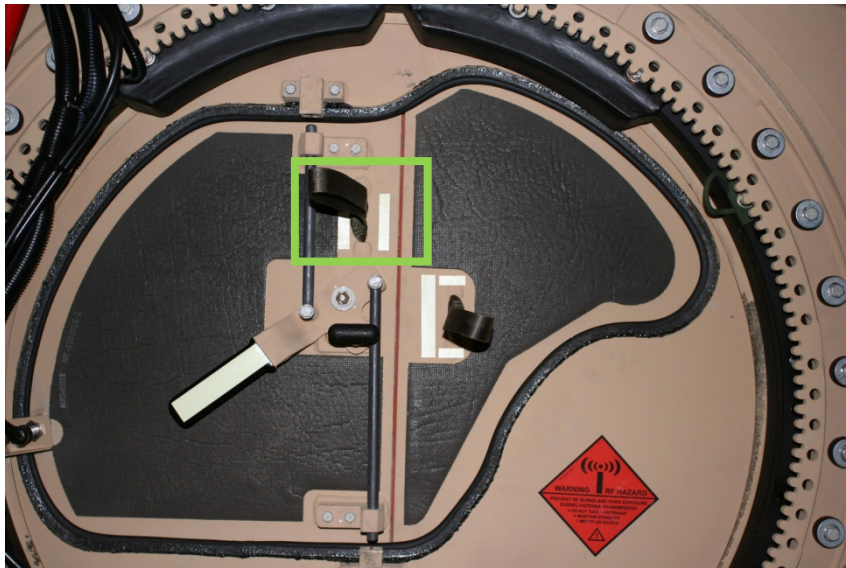


Materials Required

- 6" Adhesive Backed Tape
- Cleaning Wipes

CROWS Split Hatch Release/Latch

- Clean area using alcohol wipes prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape around strap at locations shown
- Allow 1 hour to cure prior to use



EMERGENCY EGRESS HATCH

Materials Required

- 12" Adhesive Backed Tape
- 24" Magnetic Backed Tape
- Cleaning Wipes

Hatch Handle

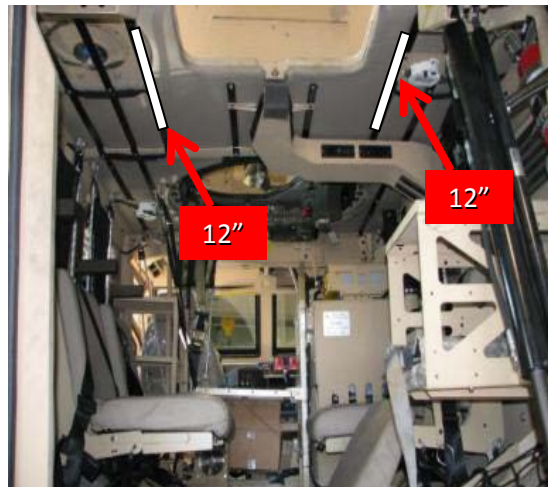
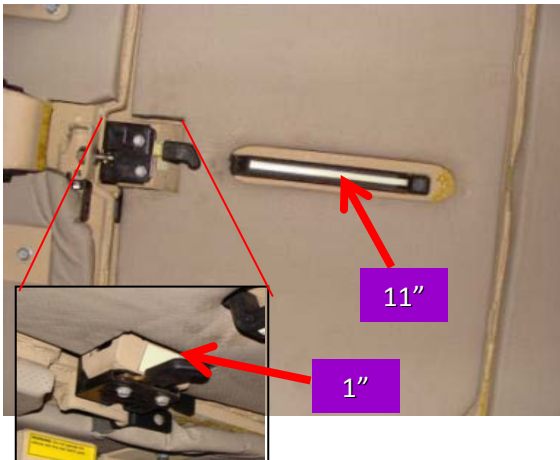
- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place half-width adhesive back tape to length of handle as shown
- Allow 1 hour to cure prior to use

Hatch Locking Latch

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape around handle as shown
- Allow 1 hour to cure prior to use

Hatch Perimeter

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place magnetic backed tape strips around perimeter of hatch opening at metallic strips as shown (metal strips could be black or tan)



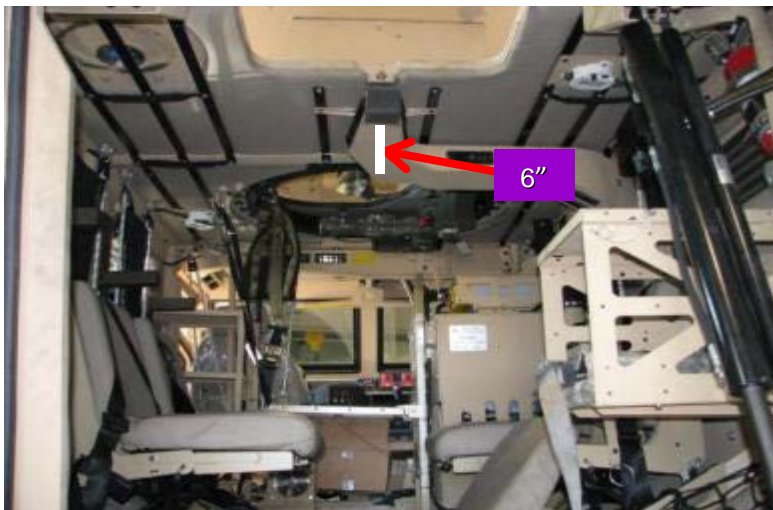
ROOF

Materials Required

- 6" Adhesive Backed Tape
- Cleaning Wipes

Roof Center Line

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape place along center line of roof from front to back of vehicle
- Allow 1 hour to cure prior to use



RAMP REAR CONTROLS

Materials Required

- 12.5" Adhesive Backed Tape
- Cleaning Wipes

Rear Electric Switch

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape on sides of toggle switch as shown
- Allow 1 hour to cure prior to use

Rear Manual Pump Override

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place half-width adhesive back tape on Disc and Knob Plunger valve
- Place adhesive backed tape below Disc and Knob Plunger valve as shown
- Place adhesive backed tape below manual pump as shown
- Allow 1 hour to cure prior to use

Manual Pump Handle

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape around handle as shown
- Allow 1 hour to cure prior to use



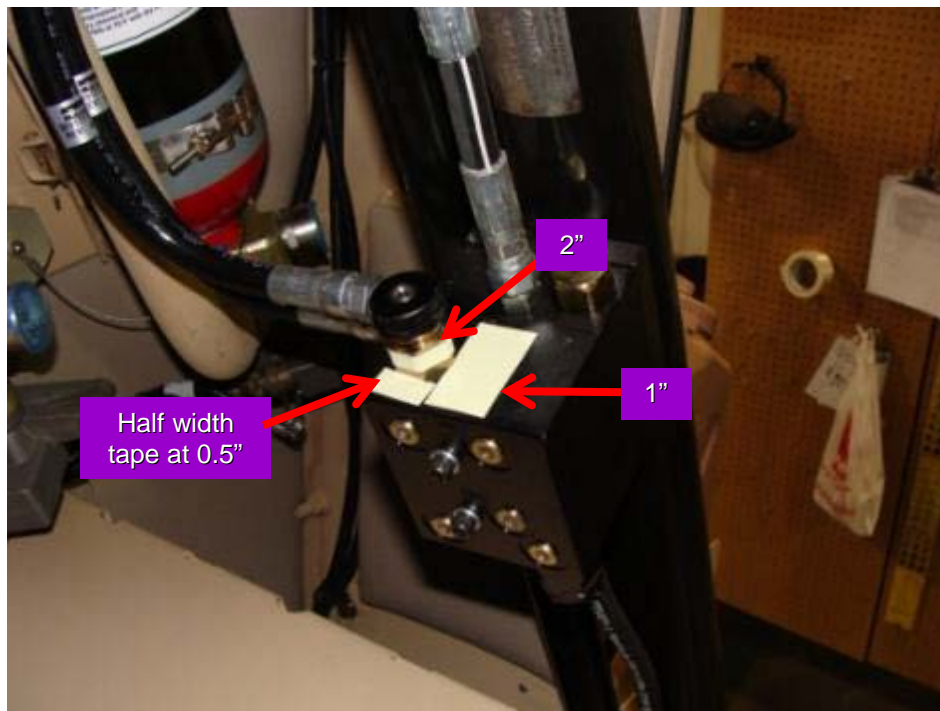
REAR RAMP RELEASE VALVE

Materials Required

- 3.5" Adhesive Backed Tape
- Cleaning Wipes

Release Valve

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place half-width adhesive backed tape around hydraulic cylinder manual release valve as shown
- Place adhesive backed tape on surface near hydraulic cylinder manual release valve as shown
- Allow 1 hour to cure prior to use



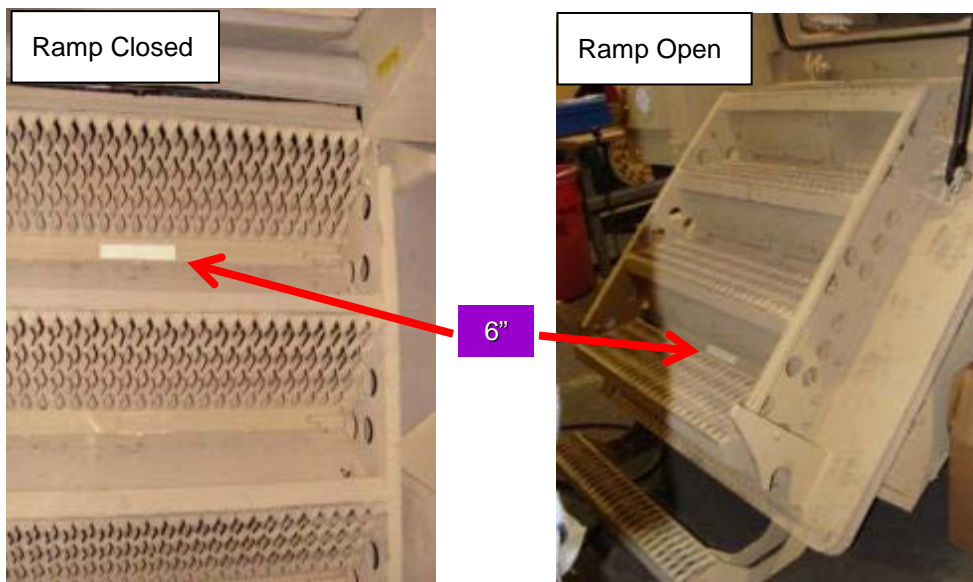
REAR RAMP

Materials Required

- 6" Adhesive Backed Tape
- Cleaning Wipes

Rear Ramp

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape between stair treads on ramp wall
- Allow 1 hour to cure prior to use



Placing between steps will allow to be easily seen from interior but limit view when stairs are down

REAR RAMP OPERATION – EMERGENCY MANUAL OVERRIDE

Materials Required

- 9" Adhesive Backed Tape
- Cleaning Wipes

Combat Lock Manual Override

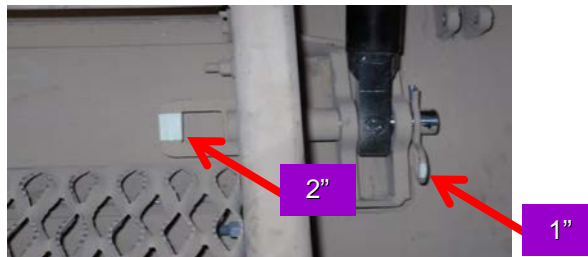
- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape under hole on the center bar for pry bar as shown
- Allow 1 hour to cure prior to use

Rear Door Pin Manual Override

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape around pulling location for mounting pin ensuring to overlap the tape as shown
- Place adhesive backed tape around cotter pin at location shown ensuring to overlap the tape
- Allow 1 hour to cure prior to use

NOTE

- All MaxxPro Variants have this feature



VEHICLE EMERGENCY EGRESS (VEE) WINDOWS

Materials Required

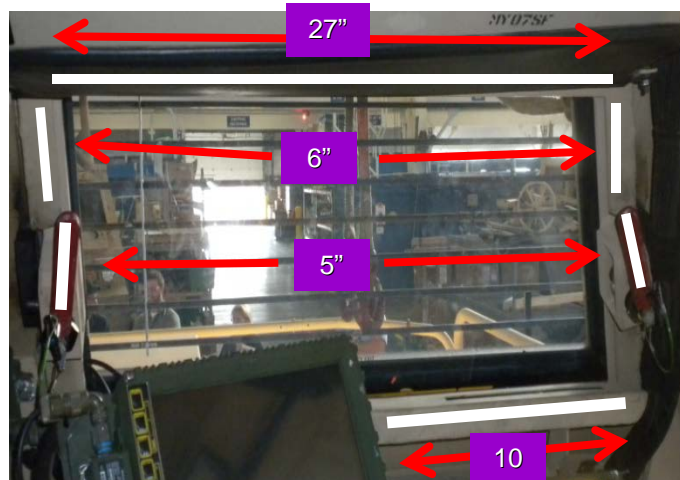
- 128" Adhesive Backed Tape
- Cleaning Wipes

VEE Release Handles

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape on each release handles as shown
- Allow 1 hour to cure prior to use

VEE Window Perimeter

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape around perimeter of each window as shown
- Allow 1 hour to cure prior to use



RG-31(M1221/M1221A1/M1221A2/M1236)

Front Doors -Organized by Door Assist Mechanism Type

- Release Latches
- Parameter of Doors

Gunner Turret Hatch

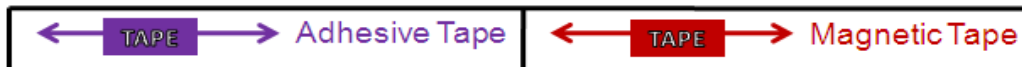
- Area Around Turret
- Release Latches

Emergency Egress Hatch

- Release Latches
- Handles
- Parameter Around Egress Hatches

Rear Door

- Release Latches
- Parameter of Door



FRONT DOORS

Materials Required

- 8" Adhesive Backed Tape
- 130" Magnetic Backed Tape
- Cleaning wipes

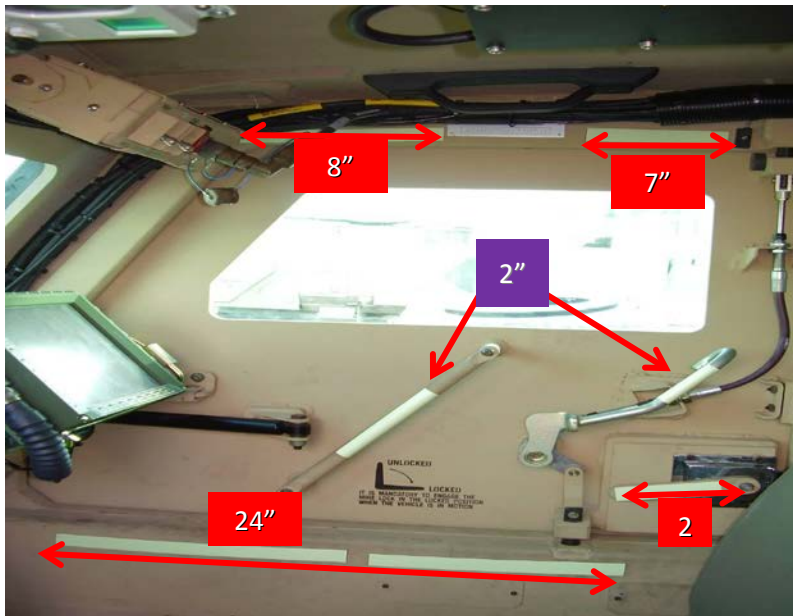
Combat Lock Handle/ Door Handle

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive back tape around the combat lock handle as shown
- Place adhesive back tape around the door handle as shown
- Allow 1 hour to cure prior to use

Front Door Parameter

- Place magnetic back tape along the slam lock lever of the front door
- Place magnetic back tape along the top on the inside perimeter of the door
- Place magnetic back tape along the bottom on the inside perimeter of the door
- Allow 1 hour to cure prior to use

Repeat steps for each of the front doors on the vehicle



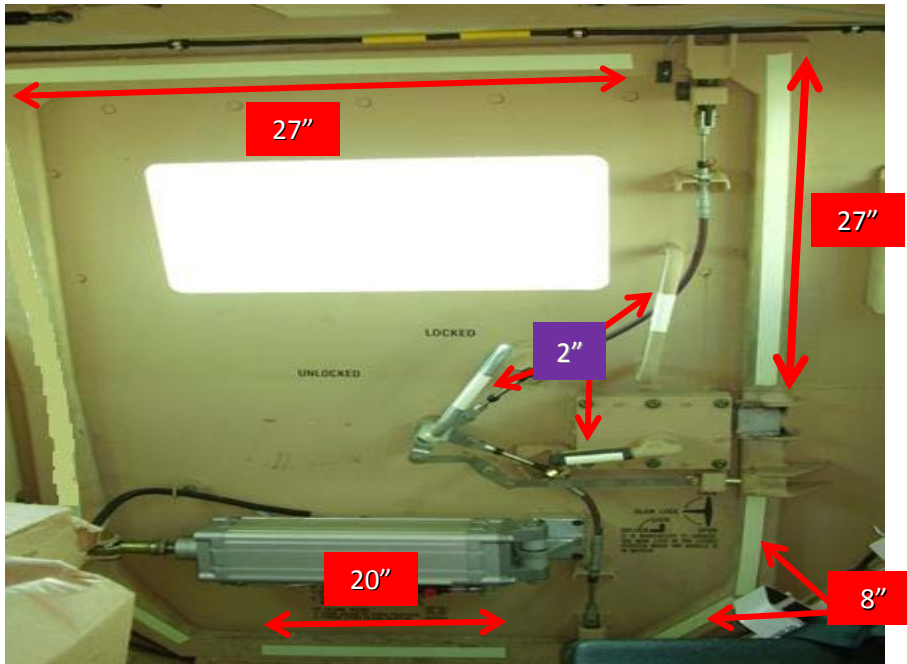
REAR DOOR

Materials Required

- 6" Adhesive Backed Tape
- 90" Magnetic Backed Tape
- Cleaning wipes

Rear Door

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive tape around the combat lock handle and the slam lock lever
- Place adhesive tape around the door handle
- Place magnetic tape along the top of the rear door
- Place magnetic tape along the bottom of the rear door
- Place magnetic backed tape along the side of the door that latches the door shut
- Allow 1 hour to cure prior to use



GUNNER HATCH

Materials Required

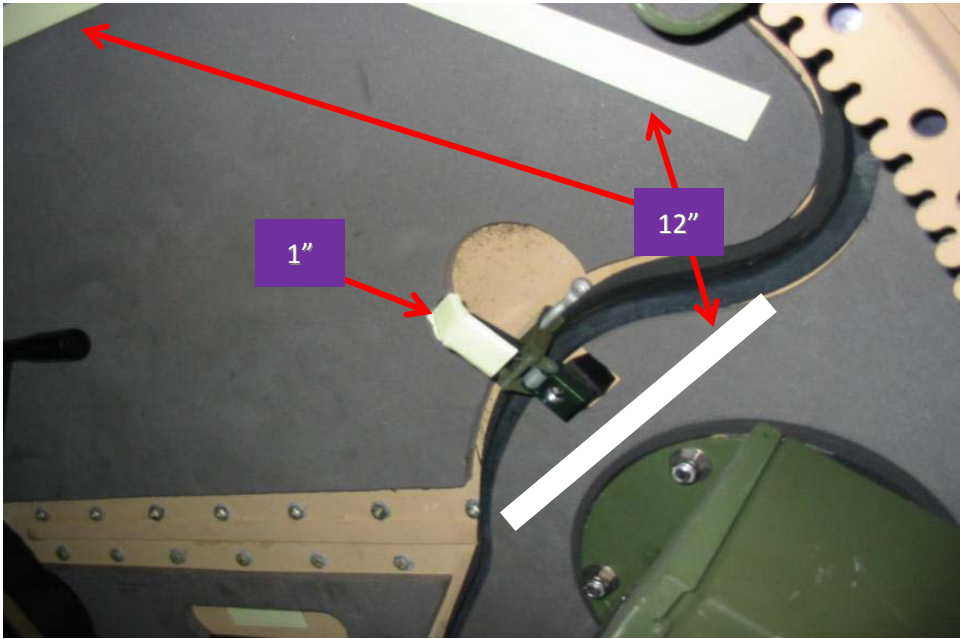
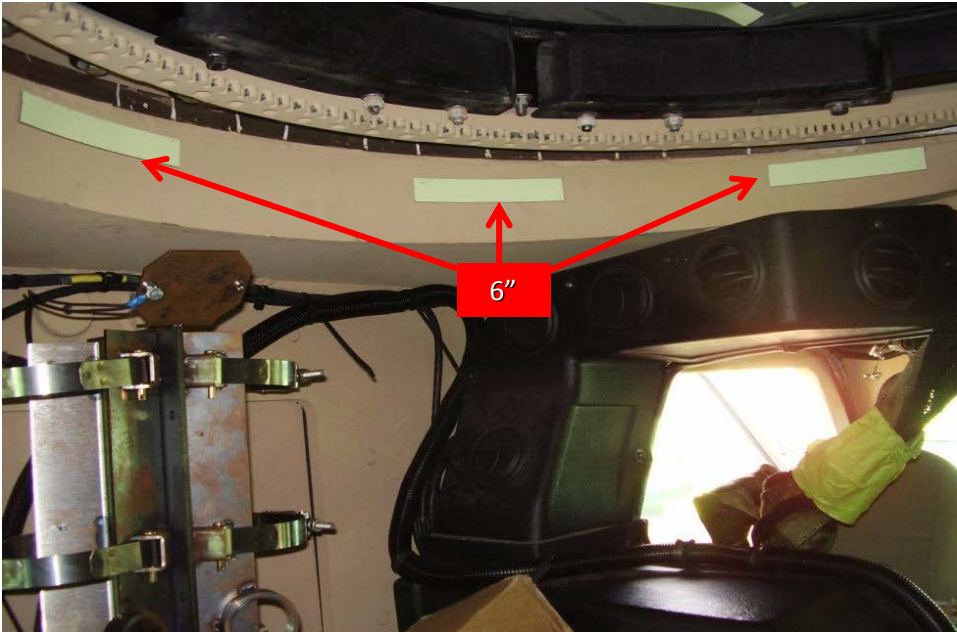
- 15" Adhesive Backed Tape
- 66" Magnetic Tape
- Cleaning wipes

Gunner's Hatch

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape on the 3 latches that release the gunner's hatch
- Place adhesive backed tape along the edge of the space blocking the gunner's hatch
- Allow 1 hour to cure prior to use

Gunner's Hatch Ring

- Place magnetic backed tape every 6 inches, along the ring of the gunner's hatch
- Allow 1 hour to cure prior to use



ROOF

Materials Required

- 40" Adhesive Backed Tape
- Cleaning wipes

Roof

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape along each side of the hull frame between the gunner's hatch and rear hatch
- Allow 1 hour to cure prior to use



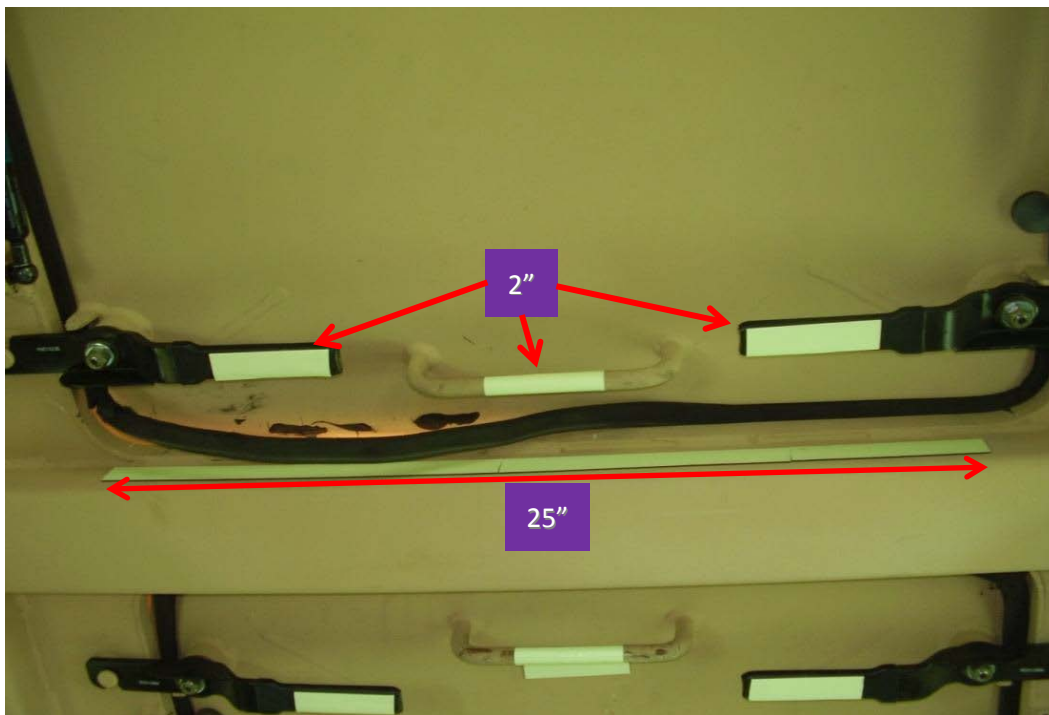
ROOF HATCHES

Materials Required

- 62" Adhesive Backed Tape
- Cleaning wipes

Rear Hatches

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape on the handle of the hatch
- Place adhesive backed tape along edge of hull frame facing the hatch
- Place adhesive backed tape along the lock levers on the hatch
- Allow 1 hour to cure prior to use



RG 33 (M1232/M1237)

Front Doors -Organized by Door Assist Mechanism Type

- Release Latches
- Parameter of Doors

Gunner Turret Hatch

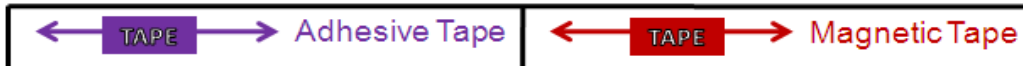
- Area Around Turret
- Release Latches

Emergency Egress Hatch

- Release Latches
- Handles
- Parameter Around Egress Hatches

Rear Door

- Release Latches.
- Parameter of Door



FRONT DOORS (BASE)

Materials Required

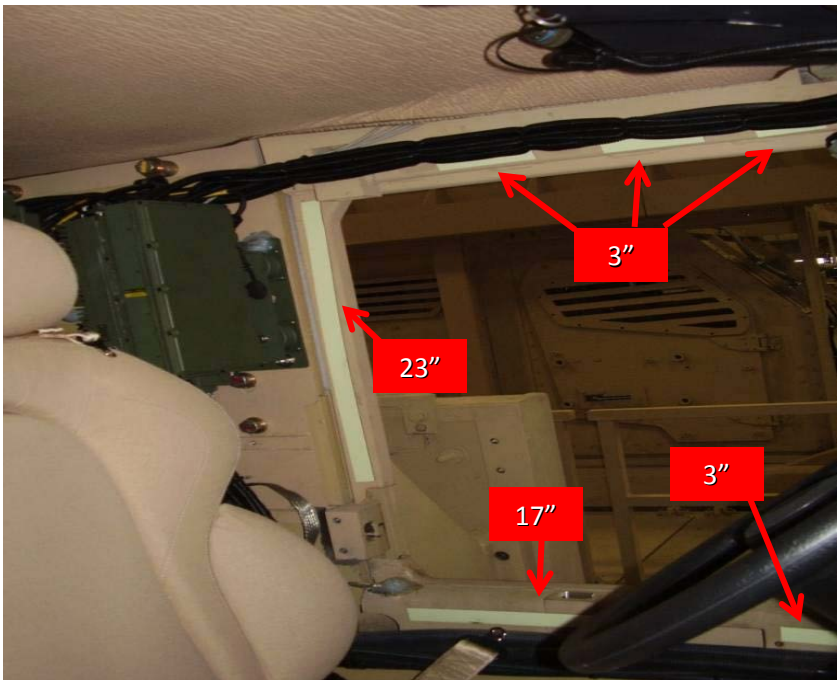
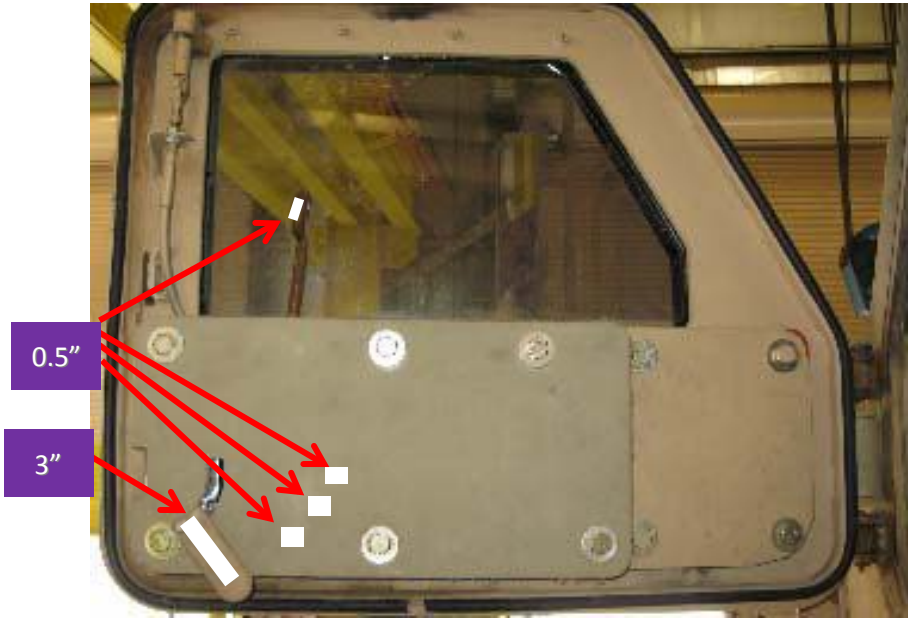
- 10" Adhesive Backed Tape
- 104" Magnetic Backed Tape
- Cleaning wipes

Front Door

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape around the handles that are used to release the combat locks
- Place adhesive back tape along the handle of the door
- Place adhesive backed tape along the direction of the handle to be pulled to unlock the door
- Allow 1 hour to cure prior to use

Front Door Perimeter

- Place magnetic backed tape between the bolts along the top, inside perimeter of the door
- Place magnetic backed tape on the inside perimeter, along the latching side of the door
- Place magnetic backed tape on the inside perimeter, along the bottom of the door
- Allow 1 hour to cure prior to use



FRONT DOORS (PLUS)

Materials Required

- 6" Adhesive Backed Tape
- 104" Magnetic Backed Tape
- Cleaning wipes

Front Door

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape around the handles that are used to release the combat locks
- Place adhesive back tape along the handle of the door
- Allow 1 hour to cure prior to use

Front Door Perimeter

- Place magnetic backed tape between the bolts along the top, inside perimeter of the door
- Place magnetic backed tape on the inside perimeter, along the latching side of the door
- Place magnetic backed tape on the inside perimeter, along the bottom of the door
- Allow 1 hour to cure prior to use





REAR DOOR

Materials Required

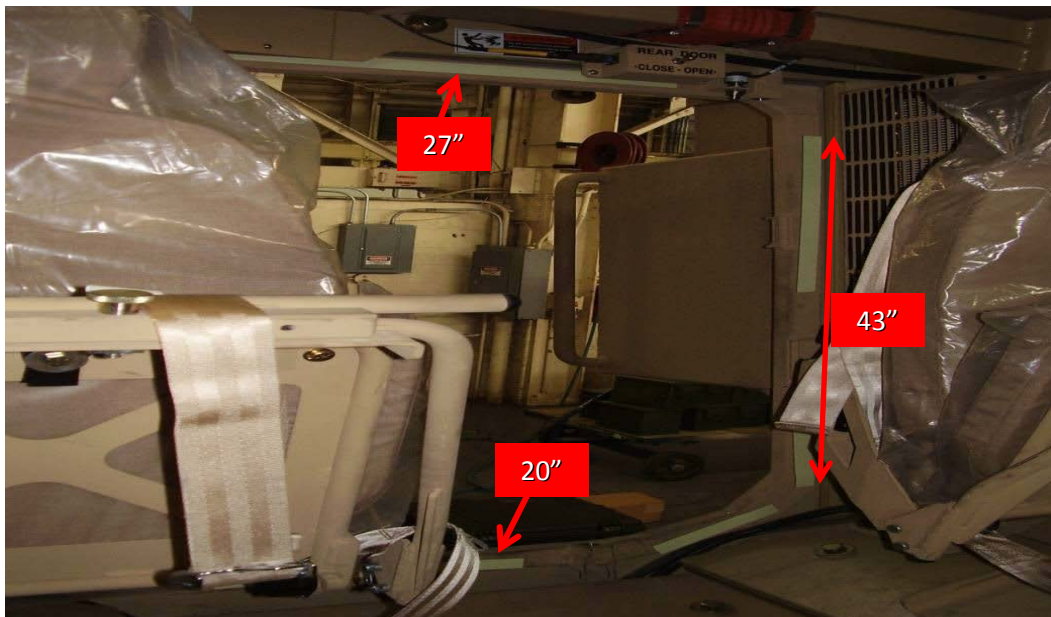
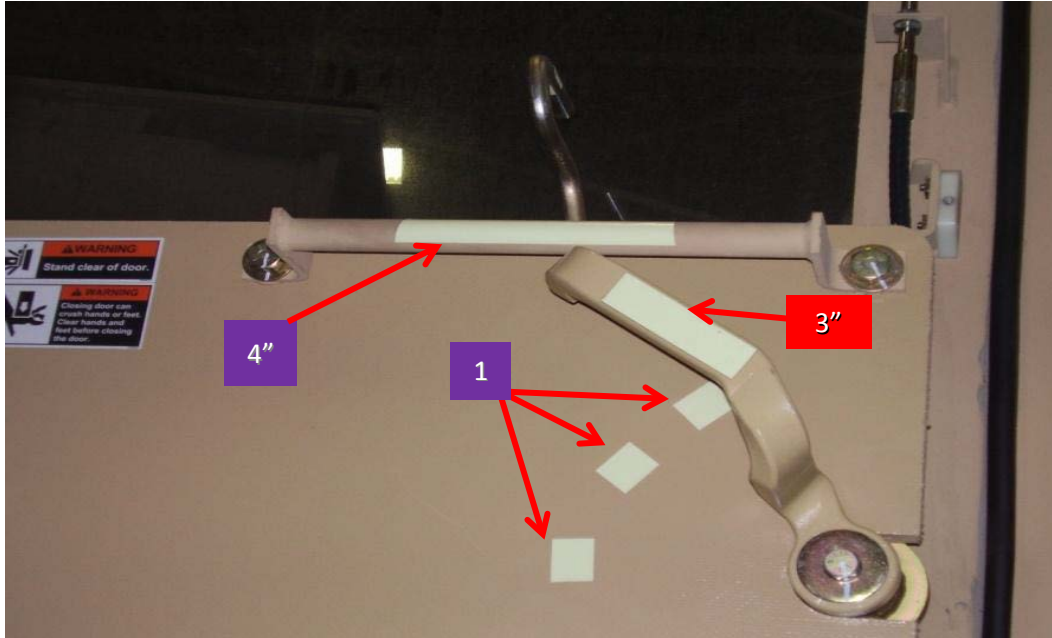
- 7" Adhesive Backed Tape
- 96" Magnetic Backed Tape
- Cleaning wipes

Rear Door

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape along the handle of the rear door
- Place adhesive backed tape along the path of the rear door release latch
- Allow 1 hour to cure prior to use

Rear Door

- Place magnetic backed tape along the latch that releases the rear door
- Place magnetic backed tape along the top of the rear door on the inside perimeter of the door
- Place magnetic backed tape along the bottom of the rear door on the inside perimeter of the door
- Place magnetic backed tape along the side of the door that latches the door shut, on the inside perimeter of the door
- Allow 1 hour to cure prior to use



REAR DOOR (WITH REAR DOOR ASSIST)

Materials Required

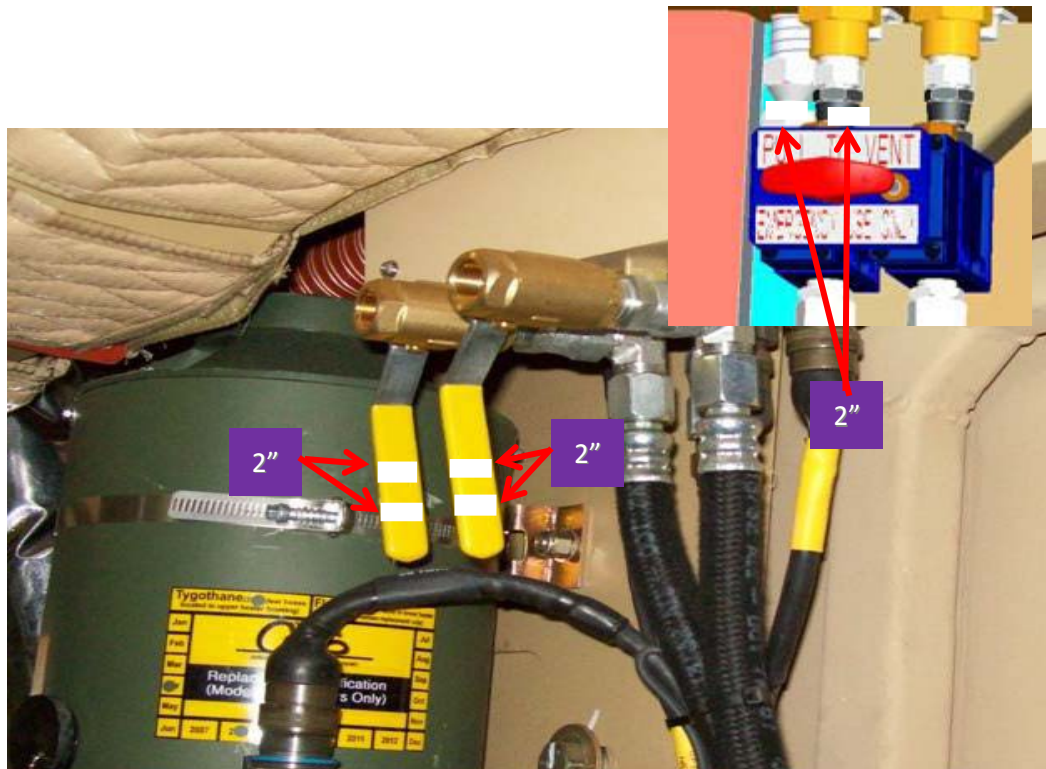
- 12" Adhesive Backed Tape
- Cleaning wipe

Rear Door Assist

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape along each of the handles of the rear door assist valve
- Allow 1 hour to cure prior to use

Rear Door Assist Retrofit Valve

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape along each of the handles of the rear door assist valve
- Allow 1 hour to cure prior to use



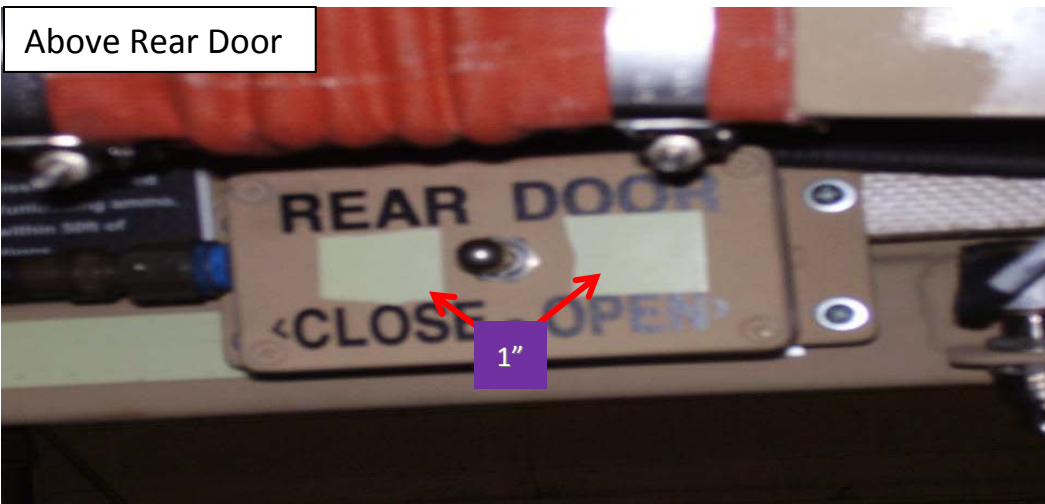
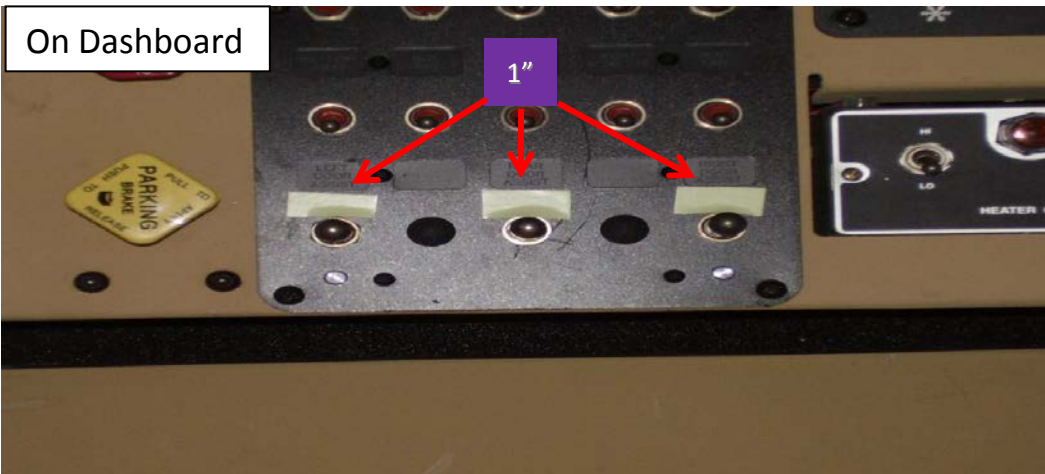
DOOR SWITCHES

Materials Required

- 5" Adhesive Backed Tape
- Cleaning wipe

Dashboard Door Switches

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape along the top of each of the door switches
- Allow 1 hour to cure prior to use



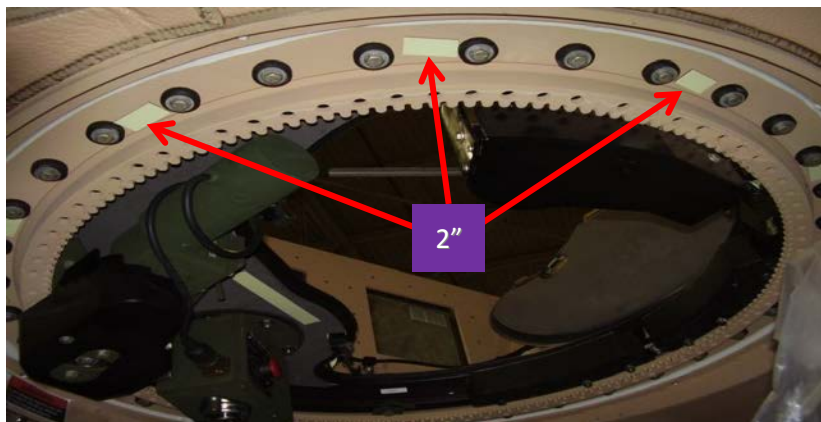
GUNNER HATCH

Materials Required

- 35" Adhesive Backed Tape
- Cleaning wipes

Gunner's Hatch

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape along the area that is claiming space in the gunners hatch
- Place adhesive backed tape along the latches that release the gunners hatch
- Place adhesive backed tape between two bolts along the ring of the gunners hatch Place a piece every two spaces between the bolts around the ring of the gunners hatch
- Allow 1 hour to cure prior to use



ROOF HATCH

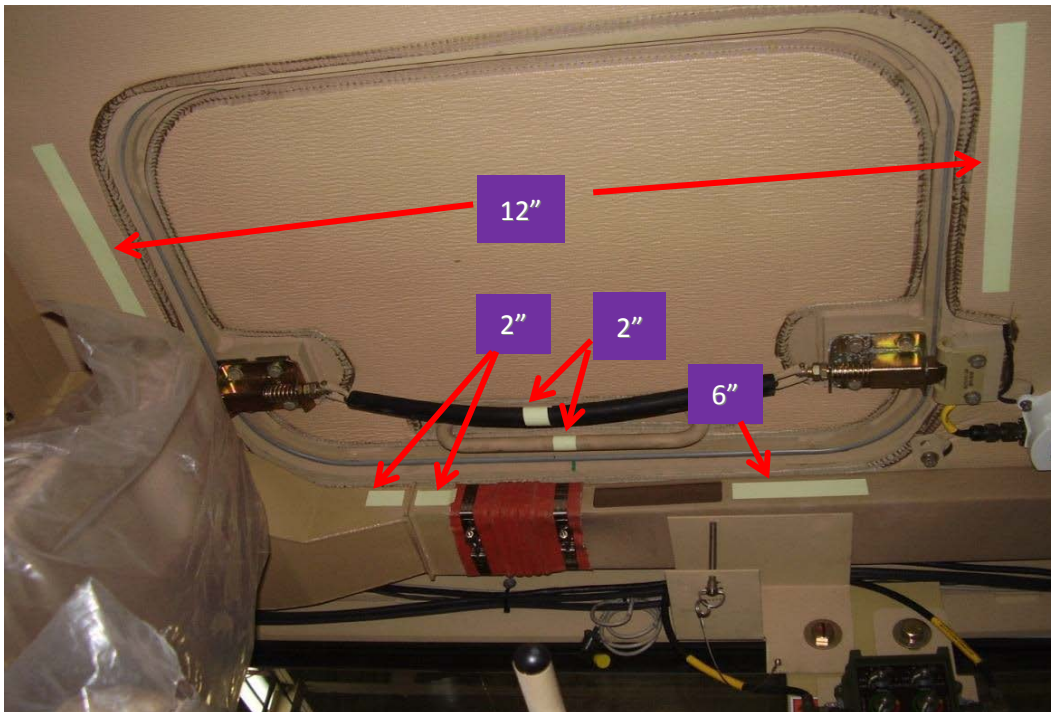
Materials Required

- 152" Adhesive Backed Tape
- Cleaning wipes

Rear Roof Hatches

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape along the front and rear side of the hatch
- Place adhesive backed tape around the latch release and handle of the hatch
- Place adhesive backed tape along the rear side of the hatch
- Allow 1 hour to cure prior to use

Repeat these instructions for all 4 rear roof hatches



ROOF

Materials Required

- 60" Adhesive Backed Tape
- Cleaning wipes

Center of Roof

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape 6 inches apart along the center of the roof from the gunner's hatch to the first two rear hatches
- Allow 1 hour to cure prior to use



REAR DOOR VEE WINDOWS (IF EQUIPPED)

Materials Required

- 8" Adhesive Backed Tape
- 94" Magnetic Backed Tape
- Cleaning wipes

Rear Door VEE Window

- Clean area using wipes provided in kit prior to installing. Ensure install area is dry
- Place adhesive backed tape on each of the VEE window handles
- Place magnetic backed tape around the VEE window as shown
- Allow 1 hour to cure prior to use

