

# CALIFORNIA GOLD PRODUCTS

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## HMMWV Specialists

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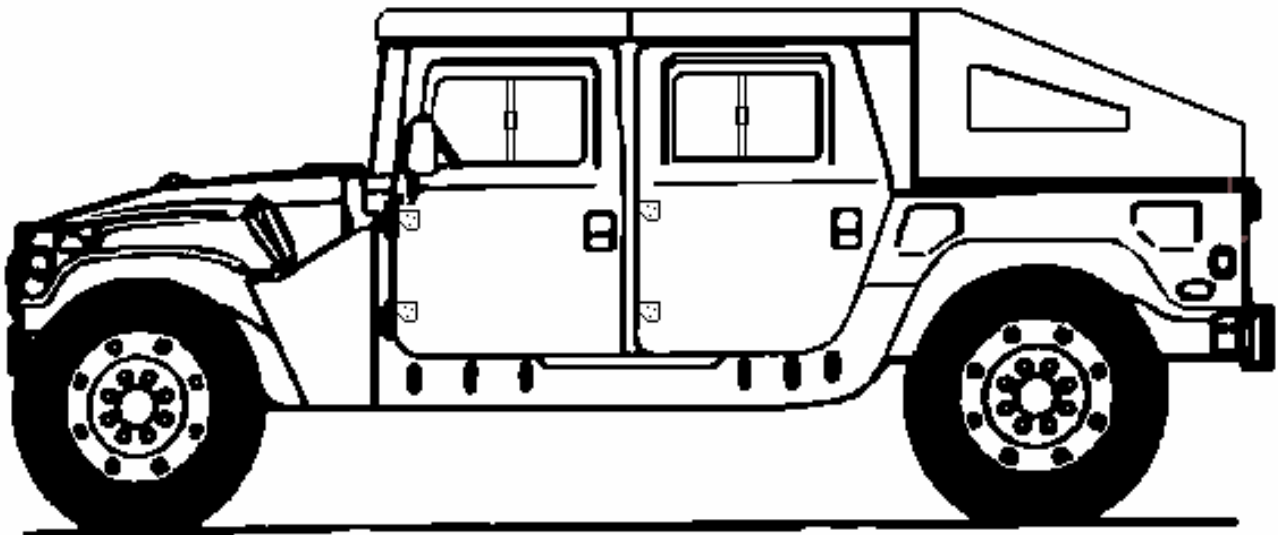
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SlantBack™  
WagonBack™  
Accessories  
Custom

**Glenn Harris**  
Owner



Military Style SlantBack™  
Top Kit Installation

# INTRODUCTION

- Light Weight
- All Aluminium
- Weather Tight
- Easy to Install
- Secures Vehicle
- Lockable
- Modular

Your new *California Gold Products* HMMWV (military style) weather tight Top Kit consists of ten (10) major components and accessories. The Top Kit was designed with ease of installation in mind. (**Illustration 1**)

The Top Kit includes a Front Section, Mid-Section, Side panels (both Driver and Pass.), SlantBack and Rear Door. Easy to assemble windows are included for the SlantBack and Rear Door. All necessary hardware is included for installation. However, the installer will need to provide rivets and appropriate installation tool. Also needed will be an AVK (rivet type) tool to install threaded inserts.

Inspect your Top Kit against the packing list enclosed. Should there be missing components call *California Gold Products* (805) 984-4804.

To speed up installation time match up parts with related components before beginning installation.

Remove *California Gold Products* Top Kit from shipping container and separate components according to the areas where they will be installed. Putting hardware with brackets before you begin will save installation time.

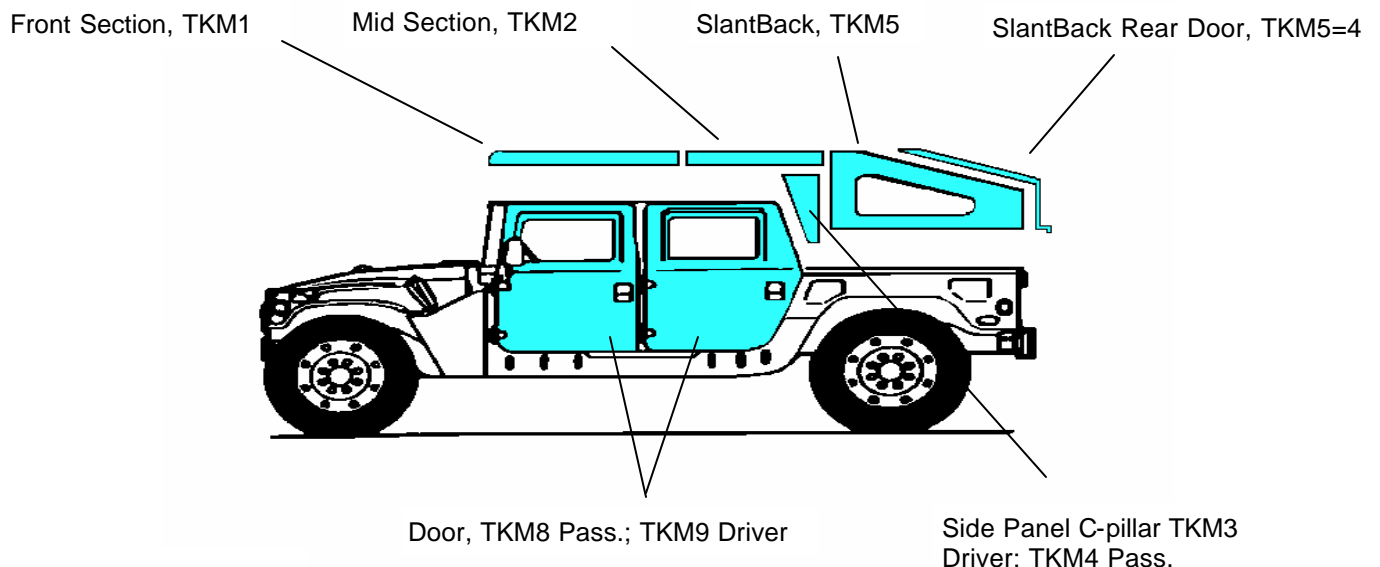


Illustration 1

# PARTS

Part #	Description	Quantity
TKM1	Front Section	1
TKM2	Mid-Section	1
TKM3	Side Panel C-pillar, Driver	1
TKM4	Side Panel C-pillar, Pass.	1
TKM5	SlantBack, Military	1
TKM8	Door, Passenger	2
TKM9	Door, Driver	2
TKM10	Hinge, Door	8
TKM11	Latch Assembly, Door	4
TKM12	Latch Assembly Striker Plate	4
TKM13	Door Arm Rest	4
TKM14	Door Jamb, Front	2
TKM15	Door Jamb, Rear	2
TKM5-4	SlantBack Rear Door, Military	1
TK5-5	Window, Side	2
TK5-6	Window, Rear	1
TKM16	Window, Door	4
TKM5-7	Latch, Rear Door	1
TKM5-8	Latch Rod	2
TKM5-9	Latch Rod Guide	2
TK5-10	Lock	1
TK5-11	Hydraulic Door Lift	2
TK5-12	Hydraulic Door Lift Lower Mounting Bracket	2
TK5-13	Hydraulic Door Lift Upper Mounting Bracket	2
TK5-14	Hinge, Stainless	3
TK6	Weather Seal, Double Round	1
TK7	Weather Seal, Flat	1
TKWS	Weather Seal, Window (3/8" x 3/4")	1
SBMHP01	Hardware Pack:	
B516	5/16" x 1-1/4" Bolts	14
W516	5/16" Flat Washers	7
N516	5/16" Nyloc Nuts	2
N14	1/4"-20 Nuts	40
W14	1/4" Flat Washers	4
S8	#8 x 1/4" Screws	42
TKM5-1	Nut Insert, AVK Style	

# INSTALLATION

1) Remove the factory soft top. Pull the top's side and back edges away from vehicle to separate the Velcro style hoop and loop fasteners. Unsnap the roll bar straps. The top's front edge is secured via a channel. Once all fasteners are released slide front of soft top to one side working the top's leading edge out of channel.

2) Remove screws securing soft top channel from windshield and remove channel.

3) If equipped, remove existing doors.

4) Remove existing door hinge from all four door posts.

5) Remove B-pillar hoop by removing top eight bolts (four on each side) attaching B-pillar hoop to body.

(**Illustration 2**)

6) Use angled edge on bottom of B-pillar hoop as a guide. Measure up  $\frac{3}{4}$ " and shorten bottom of pillar hoop  $\frac{3}{4}$ " maintaining the original angle. Repeat on opposite side of hoop. Before re-installing hoop it will be necessary to trim the lowest two existing rivets protruding from inside of hoop.

7) Set the B-pillar back into its original mount. Secure B-pillar hoop with existing hardware. (**Illustration 3**)

8) Lower tail gate.

9) Set SlantBack onto bed of vehicle. Align SlantBack to outside edges on bed of vehicle. Use mounting holes in base of SlantBack as guides and mark mounting hole locations. Remove SlantBack and drill  $\frac{3}{8}$ " holes where marked. (**Illustration 4**)

**NOTE:** When marking mounting holes allow  $\frac{1}{4}$ " (both up, and to the rear) for weather strip material to be added during installation.

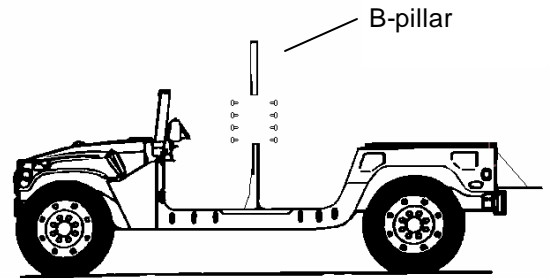


Illustration 2

NOTE: Trim  $\frac{3}{4}$ " off each end of B-pillar (maintaining angle on end ) and re-install.

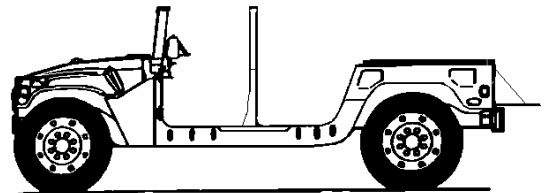


Illustration 3

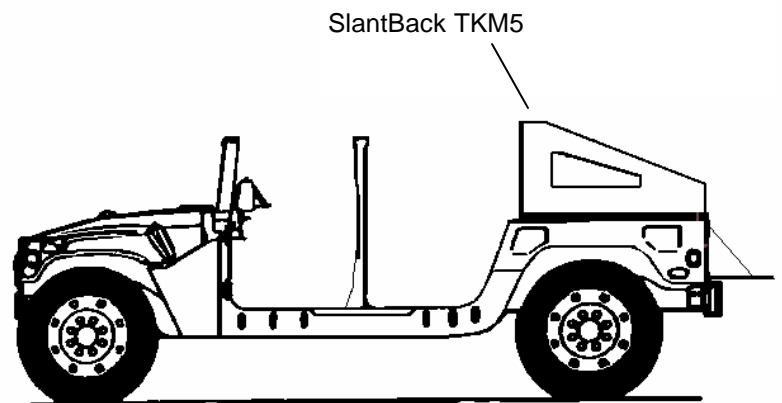


Illustration 4

**10)** Install supplied threaded Nut Insert (TKM5-1) into mounting holes drilled in vehicle using insert tool.

**(Illustration 5)**

**11)** Install Weather Strip (TK6) to bottom of SlantBack. Use a knife to slot Weather Seal for bolt installation at mounting hole locations.

**12)** Install SlantBack to vehicle using 5/16" Hex Bolt and 1" Flat Washer. Do not tighten bolts at this time.

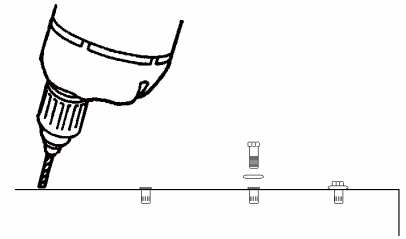
**13)** Install Weather Seal (TK7) on top of B-pillar hoop.

**14)** Set Front Top Section (TKM1) with radius edge over top of windshield frame. Rest the rearward edge on top of B-pillar hoop. Align top. Use existing holes in Top Section as guides and drill 3/16" holes in face of windshield frame and top of B-pillar. Secure Top using 3/16" rivets.

**(Illustration 6)**

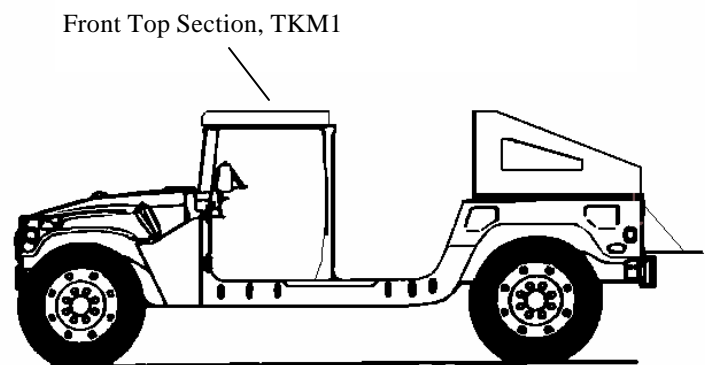
**15)** Install Weather Strip (TK7) to face of SlantBack mounting surface. Use awl to punch through Weather Strip for mounting bolt locations.

**16)** Set Top Mid-Section (TKM2) in place. The front edge rests on top of B-pillar butting against rear edge of Front Top Section. Use 1/4"-20 x 1-1/4" Hex bolts to mount rear of Top Mid-Section to face of SlantBack. Align Top Mid-Section. Use existing holes in Top Mid-Section as guides and drill 3/16" holes in top of B-pillar. Secure forward part of Top Section using 3/16" rivets. Secure rear of Top Mid-Section to Slantback with hardware provided. **(Illustration 7)**

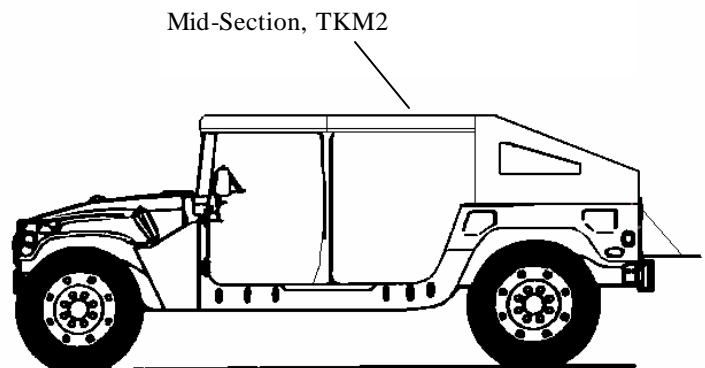


1. Use SlantBack mounting holes as guides.
2. Drill 3/8" holes.
3. Insert threaded insert.

**Illustration 5**



**Illustration 6**



**Illustration 7**

**17)** Insert and align C-Pillar to face of SlantBack and vehicle. Mark mounting hole locations and drill 5/16" in vehicle for threaded insert. **(Illustration 8)**

**18)** Install Weather Seal to face of Slant Back and to bottom of C-pillar.

**19)** Install rear edge of C-pillar to SlantBack and bottom to vehicle. Use 1/4"-20 1-1/4" Hex Bolt with 1" Flat Washer to secure assembly.

**20)** Hand-tighten all SlantBack bolts but do not over-tighten causing Weather Seal to smash down to less than 1/4" thick.

**21)** Install Weather Seal (TK7) to inside the four (4) door jambs.

**22)** Remove Hinge Pin from Hinge pin-mount and install Hinges pin-mount to body using existing mounting holes. Secure with 1/4"-20 x 1" bolts and Nyloc Nuts.

**(Illustration 9)**

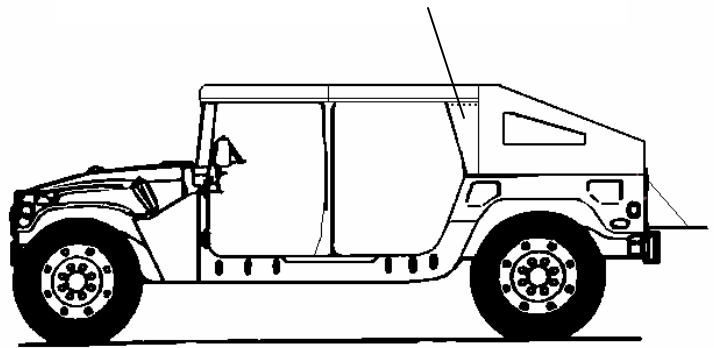
**NOTE:** New door hinge pin-mount installs toward rear (opposite original hinge).

**23)** Install Door (TKM8 Pass.; TKM9 Drvr.). Secure Hinge Pin to door using three (3) Phillips Head screws per Hinge. Adjust hinges to align door so door sets evenly spaced in opening. Tighten screws.

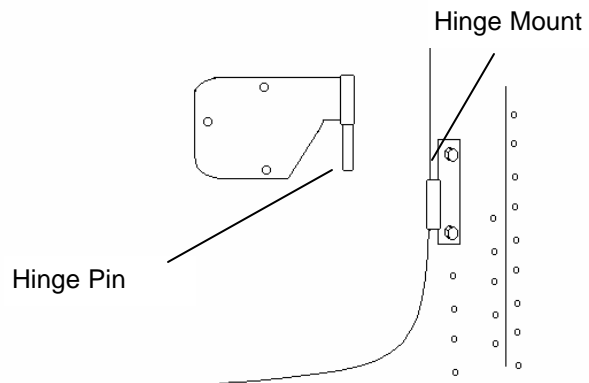
**24)** Repeat door installation on all four (4) doors.

**25)** Locate the two existing threaded inserts on inside door panel. Install Arm Rest (TKM13) to inside of door using two (2) screws provided.

Side panel C-pillar, TKM3 Driver, TKM4 Pass.



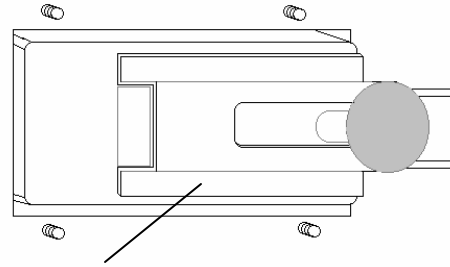
**Illustration 8**



**NOTE:** Passenger's side shown. Hinge Mount faces rear of vehicle.

**Illustration 9**

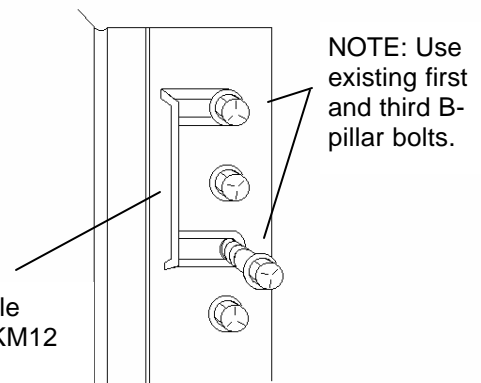
**26)** Insert Door Latch Assembly into square hole in door from outside of door. Make sure latch-rod on Latch Assembly faces to the rear. Secure Latch assembly to door with four (4) screws provided. **(Illustration 10)**



Door Latch, TKM11

## Illustration 10

**27)** Install Door Handle Striker Plate to door jamb. Remove the first and third existing hex bolts (of bottom four bolt set) on door jamb post. Bolts are held by a rear nut plate so do not remove both at the same time. Remove top bolt and install top of Striker using the same bolt. Remove third bolt and install bottom of Striker using the same bolt. Adjust Striker and/or Door hinge as necessary. **(Illustration 11)**

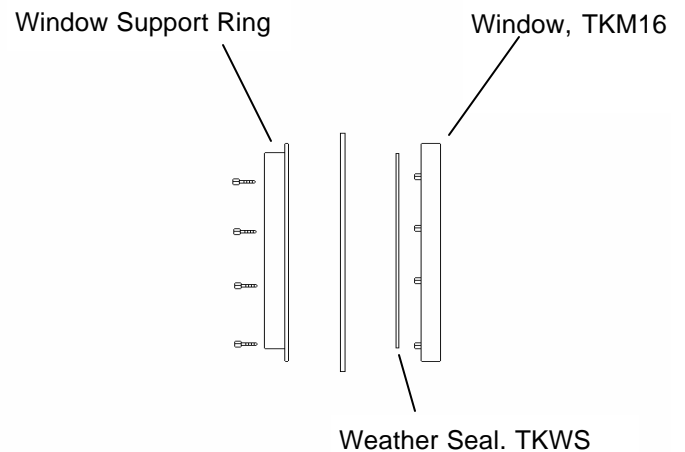


Door Handle Striker, TKM12

## Illustration 11

**28)** Repeat steps 25, 26 and 27 on the remaining three (3) doors.

**29)** Install weather Seal (TKWS) to inside edge of Door Window (TKM16). Install Door Window to opening in Door with window's weep holes on bottom. Align and install window support ring from inside Door (flat side of ring goes against Door). Use #8 x 1/4" Phillips Head Screws provided and secure support ring to the window. **(Illustration 12)**

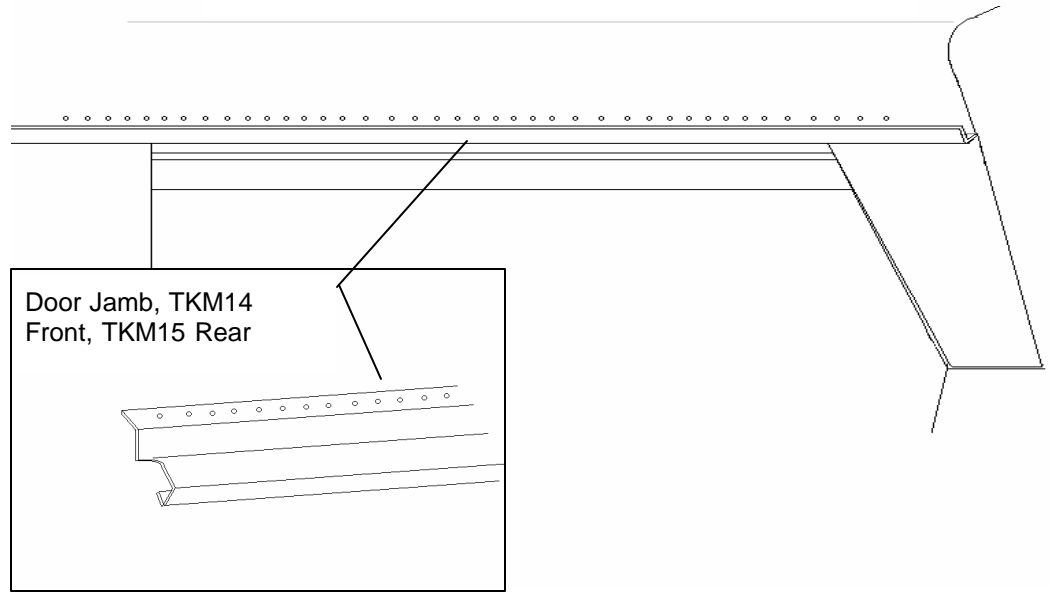


**30)** Repeat Door Window installation on remaining Doors.

## Illustration 12

**31) Install upper Door Jamb (TKM14 Front; TKM15 Rear) by positioning Jamb against inside edge of Top Section. Align Jamb with Top Section and Door. Use holes in jamb as a guide to drill 3/16" holes in Top. Use 3/16" rivets to secure door jamb. (Illustration 13)**

NOTE: Align Jamb with Top Section and Door. Use holes in jamb as a guide to drill 3/16" holes in Top. Use 3/16" rivets to secure door jamb.



**Illustration 13**

**32) Install Weather Seal (TK7) to face of Door Jamb.**

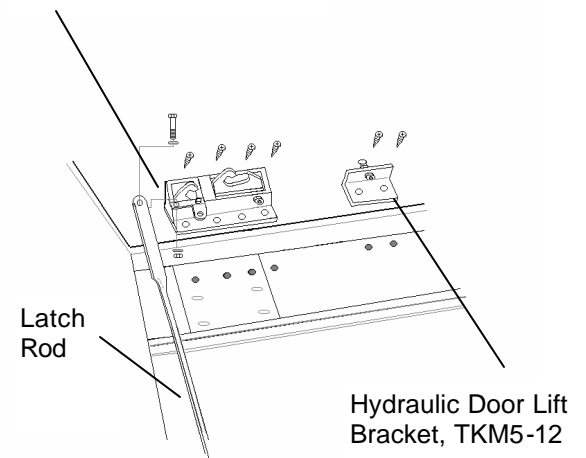
**33) Install Side Window (TK5-5) into SlantBack window opening with Window's weep holes on bottom. Install window Weather Seal (TKWS) onto inside edge of window frame and insert into opening. Install window support ring from inside SlantBack (flat side of ring goes against SlantBack). Use #8 x 1/4" Phillips Head Screws provided and secure support ring to the window. (Refer to Illustration 12)**

**34) Repeat Step 33 on opposite side of SlantBack.**

**35) Repeat Side Window installation procedure for SlantBack Rear Door Window (TK5-6).**

**36) Install Latch Rod Guides (TKM5-9) to SlantBack Door using #8 x 1/4" Phillips Head Screws provided. Align Guides to existing holes inside lower edge of Door. Slots in Rod Guides face outside edge of Door. Tighten assembly. (Illustration 14)**

Latch Rod Guide, TKM5-9



**Illustration 14**

**37)** Install Latch (TKM5-7) into Rear Door so Latch Handle lifts to open door. Insert Latch Assembly Retainer on inside of door with threaded inserts against door. Also, two (2) small radius in Retainer locates with pins on Latch. Use four (4) 1/4"-20 x 3/4" Bolts, Washers and Nuts to secure Latch to Door. Tighten assembly. **(Illustration 15)**

**38)** Install Latch Rods to Latch with outside edge of Rods inserted into Latch Rod Guides. Install rubber washer onto Latch pivot arm. Insert Rod onto pivot arm. Install Rubber Washer and Flat Washer. Secure assembly with Cotter Pin.

**39)** Install Lock assembly (TK5-10) into Latch.

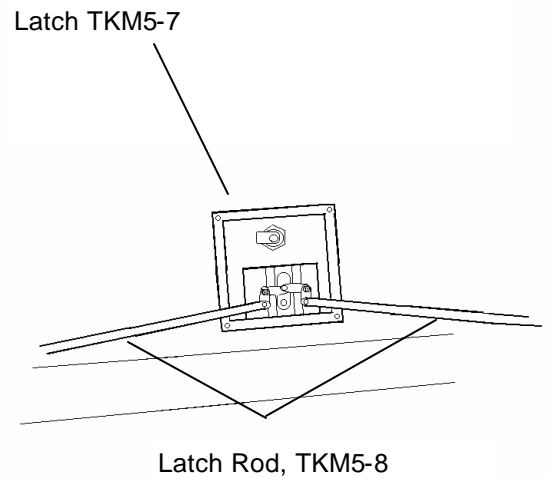
**40)** Install Hydraulic Door Lift Lower Mounting Bracket (TK5-12) to SlantBack). Locate Lower Bracket and align Bracket mounting holes to holes inside rear opening of SlantBack. Attach Bracket using #8 x 1/4" Phillips Head Screws provided.

**41) Repeat Step 40 on opposite side.**

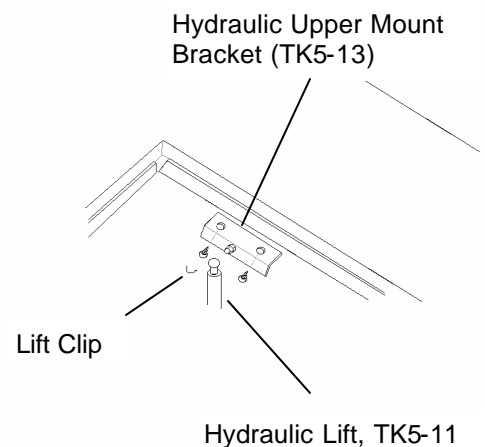
**42)** Install Hydraulic Door Lift Upper Mounting Bracket (TK5-13) to Rear Door. Locate Upper Bracket and align Bracket mounting holes to holes on inside edge of Rear Door. Attach Bracket using #8 x 1/4" Phillips Head Screws provided. **(Illustration 16)**

**43) Repeat step 42 on opposite side.**

**44)** Align pre-drilled holes in SlantBack with Hinge provided. Loosely install Hinge using #8 x 1/4" Screws.



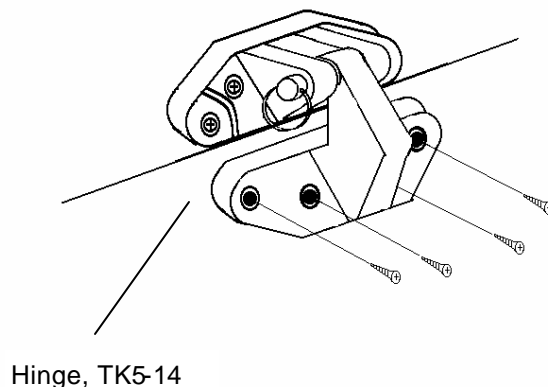
**Illustration 15**



**Illustration 16**

45) Install Rear Door. Position Rear Door to SlantBack with mounting holes in Hinge aligned to holes in Rear Door. Hold door in position and install Hinge using #8 x 1/4" Phillips Head Screws. (**Illustration 17**)

46) Lift to open Rear Door and install Hydraulic Door Lift to Lower and Upper Mounting Brackets. Secure Hydraulic Door Lift to Brackets with C-Pin Clip provided. Insert pin of C-Pin Clip into hole on Door Lift. Rotate C-Pin Clip to catch Door Lift. Rotate C-Pin Clip to catch Door Lift.



**Illustration 17**

**WARNING:** Support Door while installing the Hydraulic Door Lift on the opposite side. Do not attempt to support Door with Hydraulic Door Lift attached until both Lifts are attached.

47) Install Weather Seal (TK7) into SlantBack Door gutter.

48) Make sure all fasteners are tight.