



INSTALLATION INSTRUCTIONS KK-K9-F14-K

K9 TRANSPORTATION SYSTEM

2003-2009 EXPEDITION

TOOLS REQUIRED:

Power Drill	Wire Cutters / Crimping tool
Drill Bit Set	Ratcheting Wrench Extension
Standard & Metric Socket Sets	Torx Bit Set
Phillips Screw Driver	4 1/2" Hole Saw (Exhaust Fan Option)
Open End Wrench Set	Caulk Gun

HARDWARE:

<u>QTY:</u>	<u>DESCRIPTION:</u>	<u>PART #:</u>
28	1/4" x 1/2" Stainless carriage bolts	GSM32022
8	1/4" x 3/4" Stainless carriage bolts	GSM32024
64	1/4" flanged serrated nuts	GSM30023
6	1/4" x 3/4" Hex head cap screw	GSM33001
6	1/4" x 1 1/2" Hex head lag screw	GSM33062
36	#12 x 3/4" Stainless sheet metal screws	GSM34177
24	#10 x 3/4" Stainless sheet metal screws	GSM34170
12	#10 x 1/2" Stainless sheet metal screws	GSM34169
10	#10 x 3/4" Stainless machine screws	GSM34098
6	#10 x 3/4" Sheet metal screws	GSM33195
1	Tube silver caulk	PRM97343
1	46" x 45 1/2" Rubber Floor mat	KNM01029-SUV
10	#10 x 1/2" Flat head sheet metal screws	GSM33150

Always!

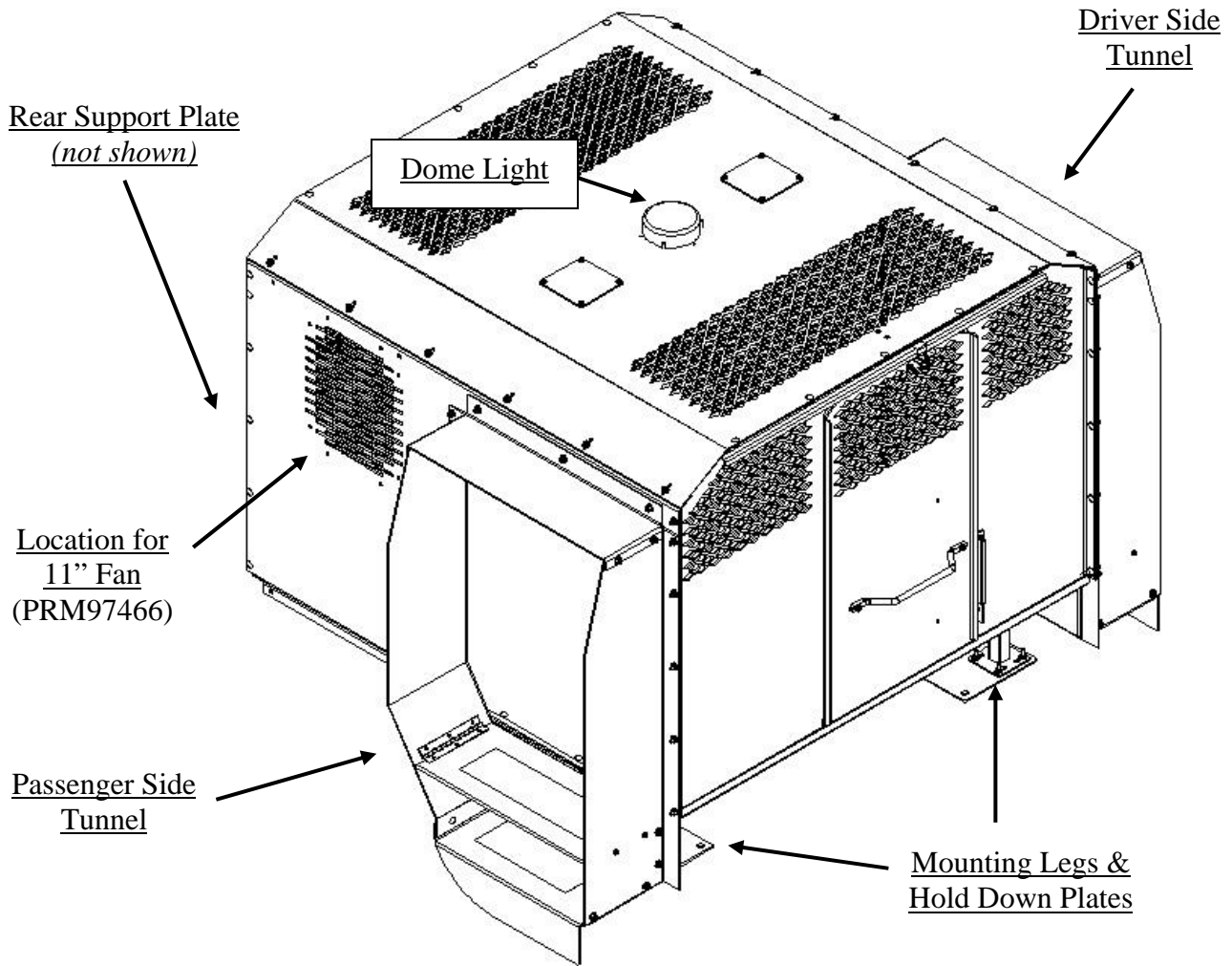
- Read all instructions before installing any Havis-Shields Equipment Corp products.
- Check for obstructions (Wire, brake lines, fuel tank, etc.) before drilling any holes!
- Use hardware provided with install kit

For product support, visit the Install Instructions Section of our website at

<http://havis.com/Installation/Installation.html>, email technicalsupport@havis.com or call 1-800-524-9900.

Assembled K9 Transportation System for 2003-2009 Ford Expedition

Rear of Unit



Front of Unit

SUBASSEMBLY:

Note: If doors have electric door switches, they must be reattached to original plug assembly. Switch assembly must then be wired-tied down so it does not interfere with window or door latch operations.



View of Expedition door panel



Remove plastic trim piece. Metal clips hold on trim



Remove window/lock switch assembly from door



Remove hex head screws holding lower section of door panel



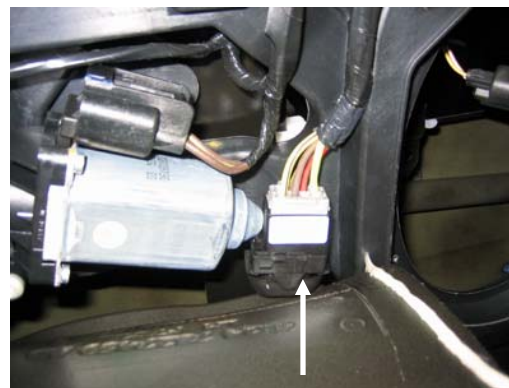
Remove trim piece covering torx screws under door panel armrest and remove screws



Remove plastic door panel



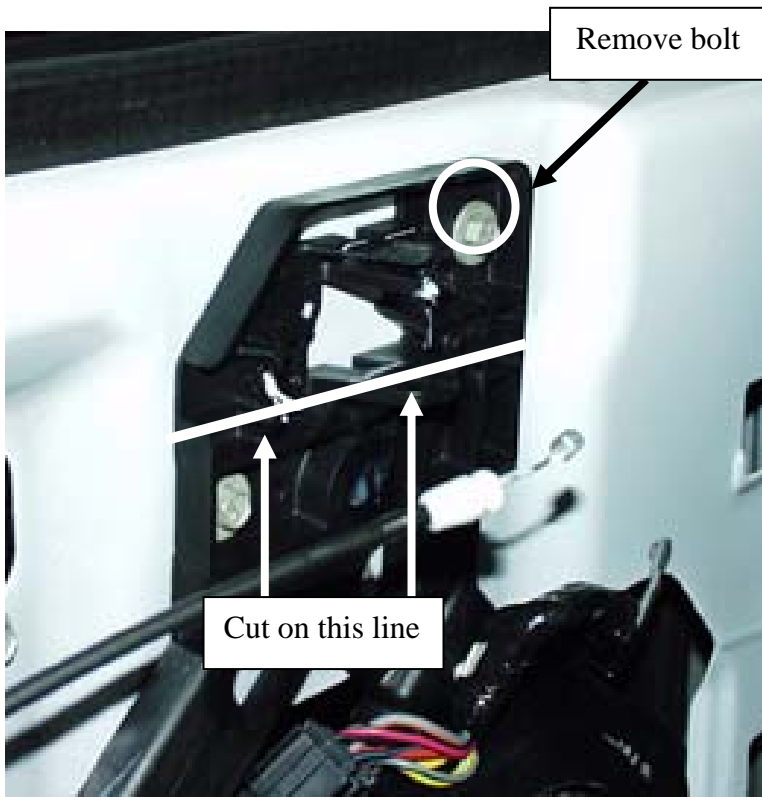
Remove window switch and reconnect. Wire tie switch in safe location.



Recommended location to relocate switch



Remove speaker from door panel. Remove screws and unplug connector



1. Remove the specified bolt and cut on the line shown left.
2. The upper portion of the cut piece will remain off.
3. Save for vehicle re-sale.



Back seat configuration for Ford Expedition



Remove trim pieces covering seat bolts



Remove bolts from seat bases



View of current installation

Remove plastic storage compartment

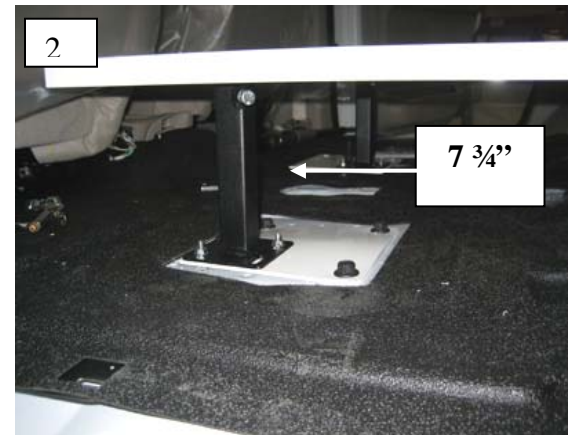
INSTALLATION:

Note: The K9 unit will not slide into rear hatch opening without removing rear door trim panels. Side tunnels must also be removed.

1. Attach floor mounting plates to height adjustable front legs with 1/4" x 3/4" carriage bolts and serrated nuts. (Photos 1 and 2)
2. The holes in mounting plates will line up with OEM seat mount holes. Bolt the plate and leg assembly to vehicle using OEM seat bolts. Adjust leg height to 7 3/4" inch.
3. Slide K9 main housing into vehicle:



Note: Mounting plate straddles a ridge in the floor. When bolts are tightened the plate will form to the floor.



When positioned properly, holes in K9 floor will align with holes in mounting legs.

Using factory seat bolts; attach driver and passenger side mounting plates and legs as shown above.

Set height at 7 3/4"

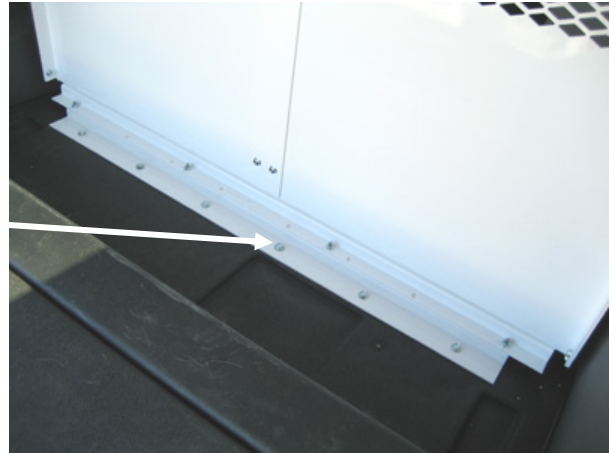


4. Attach rear support plate to bottom of rear floor lip using 1/4" x 3/4" hex head bolts. (Photo 3)
5. Attach top of K9 mounting legs to floor using 1/4" x 3/4" carriage bolts and serrated nuts. Holes in floor will line up with holes in mounting feet.
6. Loosely attach side tunnels to main housing using 1/4" x 3/4" and 1/4" x 1/2" carriage bolts.

Note: Use 1/2" long bolts on double skin and 3/4" long on triple skin.

7. Housing final step:

- Center K9 housing so tunnels are even on both sides.
- Mount rear housing support to vehicle using 1/4 x 1 1/2" hex head lag bolts.
- Tighten all loose bolts on tunnels and legs.



Center door panels so edges do not hang over. Attach to door with #10 x 1/2" stainless sheet metal screws.

Note: Window guards have holes around perimeter for permanent mounting. These holes are not used with hinge style window kits! They also come flat in shipping.



The window guard must be pre-bent so it fits tight against the contour of the door window frame. The aluminum guard can easily be formed at wok bench.

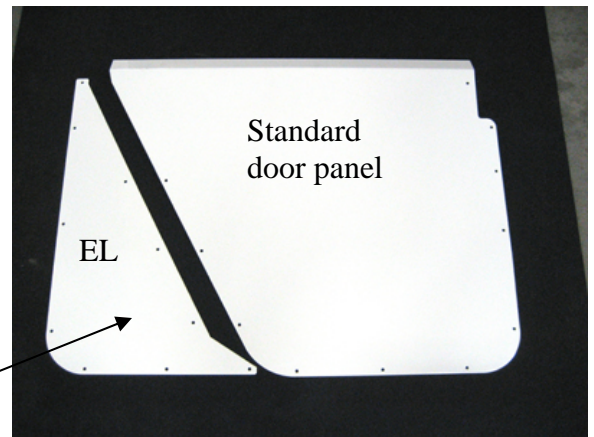


Hold window guard with pre-assembled hinge and upper bracket onto window frame. Make sure guard is centered on window. Attach hinge to lower door panel with #10 x 1/2" stainless sheet metal screws. Mark upper aluminum bracket location on window frame and remove from window guard. Attach upper aluminum bracket onto window frame with #10 x 1/2" flat head sheet metal screws.



Hinge up window guard and reattach to bracket with 10-32 x 1/2" Stainless machine screws and #10 Flat washers.

NOTE: Door panel fillers are provided for the Expedition EL. This is not used for the standard length Expedition.



8. Final Installation Steps:

- Mount dome light switch box. A switch box is provided so switch can be mounted to K9 housing in various locations. (At topside of driver-side tunnel housing works well).
- Wire to 12-volt power source on as preferred.
- Sheet metal seams and gaps need to be SILICONED along floor area. Proper sealing of compartment will eliminate water from getting under the K9 unit.
- Allow silicone to dry overnight then place rubber floor mat.

KK-K9-F14-K Installation Complete



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