

INSTALLATION INSTRUCTIONS KK-K9-F12-K 2000-2006 FORD EXCURSION

TOOLS REQUIRED:

Power Drill	Ratchet Wrench With 6" Extension
Standard & Metric Socket Sets	Torx Bit Set
Phillips Screw Driver	4 1/2" Hole Saw (Exhaust Fan Option)
7/16" Wrench	Caulk Gun
Wire Cutters / Crimping tool	

HARDWARE: Some of this hardware is already attached.

QTY: DESCRIPTION:

28	1/4-20 X 1/2" Stainless carriage bolts
30	1/4-20 X 3/4" Stainless carriage bolts
64	1/4-20 Serrated nuts
6	1/4-20 X 3/4" Hex head Cap Screw Zinc
14	1/4" X 1 1/2" Hex head lag screw
36	#12 X 3/4" Stainless sheet metal screws
24	#10 X 3/4" Stainless sheet metal screws
22	#10 X 1/2" Stainless sheet metal screws
6	#10 X 3/4" Sheet metal screws
20	#10 X 1/2" Sheet metal screws
1	Tube Silver Caulk
1	46" X 45 1/2" Rubber Mat
	11 1/2 feet Adhesive Molding

PART #:

GSM 32022
GSM 32024
GSM 30023
GSM33001
GSM 33062
GSM 34177
GSM 34170
GSM 34169
GSM 33195
GSM33194
PRM 97343
KNM01029-SUV

SUB ASSEMBLY:

- Dome light with wire
- Tunnel edge molding
- Install exhaust fans (Optional). If locating in custom location drill 4 1/2" hole into desired location of K-9 housing. Mark and drill 3/16" mounting holes to attach fan using (4) 10/32" X 1/2" machine screws and 10/32" keps nuts. Then mark and drill 3/16" holes to mount fan guard using 10/32" X 1/2" machine screws and 10/32" keps nuts.

INSTALLATION:

1. Remove interior:

- Remove rear seats
- Remove rear seat belt assembly
- Remove top, and bottom plastic rear trim caps



2. Remove rear OEM door panels:

- Remove speaker, door handle, and lock
- Remove switch assembly from plastic housing (leave plug on switch)

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



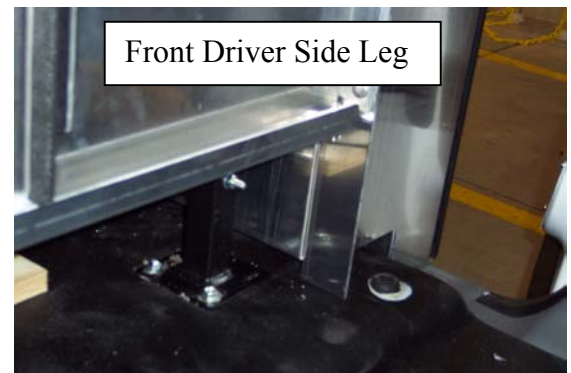
3. Install mounting legs:

- Using $\frac{1}{4}$ -20 x $\frac{3}{4}$ " carriage bolts attach mounting legs to floor of vehicle using $\frac{1}{4}$ " x $1\frac{1}{2}$ " hex head lag screws.

Note: keep nuts loose at this time. And set legs at $6\frac{1}{2}$ " high.

4. Slide in K-9 main housing:

- Slide in main housing.
- Housing should be $48\frac{1}{2}$ " from rear plastic sill to rear mounting flange.
- Mount legs to housing loosely, using $\frac{1}{4}$ -20 x $\frac{3}{4}$ " carriage bolts.
- Mount rear support to bottom of rear housing using (6) $\frac{1}{4}$ -20 x $\frac{3}{4}$ " hex head cap screw.



5. Install tunnels and fillers:

- Loosely attach side tunnels to main housing using $\frac{1}{4}$ -20 x $\frac{3}{4}$ " carriage bolts and $\frac{1}{4}$ -20 x $\frac{1}{2}$ " carriage bolts.
- Place sill plate and cover step in tunnels and mount with #12 x $\frac{3}{4}$ " stainless sheet metal screws.



6. Housing final step:

- Center housing so cover steps are even on both sides.
- Mount rear housing to vehicle with $\frac{1}{4}$ " x $1\frac{1}{2}$ " hex head lag screw.
- Tighten all loose bolts on tunnels and legs.

Note: If 32" inch long K-9 kit is being installed, a 10" rear floor extension must be used. (provided with 32" kits)



7. Door panels and window guards:

- 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 kit! They also come flat in shipping. The guard must be pre-bent so it fits tight against the door window frame.

- 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" sheet metal screws.
- Mark upper aluminum bracket location on window frame and remove from window guard.
- Attach aluminum bracket onto window frame with #10 x 1/2" sheet metal screws.
- Apply adhesive molding to inner side of window guard.
- Hinge up window guard and reattach to bracket with #10 x 1/2" stainless machine screws and #10 stainless flat washers.

Note: this is for easy window cleaning.



8. Final steps:

- Mount dome light (fan if necessary) switch box as desired. A switch box is provided so switch can be mounted to K-9 housing in various locations. (Topside of tunnel housing works very well). Wire to 12-volt power source.
- Sheet metal seams and gaps need to be carefully silicone at floor area. Proper sealing of compartment will eliminate water from getting under the K-9 unit.
- Allow silicone to dry overnight before placing in rubber floor mat.



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