

K9-F28-XL_INST_5-25

16655



K9-F28-XL INSTALLATION INSTRUCTIONS K9 Kit for 2020-2024 FORD INTERCEPTOR UTILITY

TOOLS Needed:

24

#10 Sheet metal screws

Phillips Screw Driver Trim panel removal tool Caulk Gun Drill & drill bits

Standard Socket set Wire Cutters / Crimpers Metric Socket set

PARTS & HARDWARE:

DESCRIPTION ILEM #White ILEM #Black 1 1 1 1 1 1 1 1 1		HARDWAKE:	TERR WARD	1750 4 W DI
2	<u>QTY</u>	DESCRIPTION	ITEM # White	ITEM # Black
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C-HK-341 (includes the following) 2 Rubber bumpers (for Rear cargo trim cover) 13691 39 1/4" serrated flange nut 16086 27 1/4" x 3/4" Carriage bolt – SS 16235 67 1/4" x 3/4" Phillips pan head bolt - SS 16618 68 1/4" Flat washer - SS 16154 2 5/16" Flat washer 16123 2 5/16" x 1.25" HHCS 16337	1	Silicone caulk (sealant)	20011	20012
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671/4" x 3/4" Phillips pan head bolt - SS16618681/4" Flat washer - SS1615425/16" Flat washer1612325/16" x 1.25" HHCS16337	27	1/4" x 3/4" Carriage bolt – SS	16235	
2 5/16" Flat washer 16123 2 5/16" x 1.25" HHCS 16337	67		16618	
2 5/16" x 1.25" HHCS 16337	68	1/4" Flat washer - SS	16154	
	2	5/16" Flat washer	16123	
12 1/4" x 1/2" Carriage bolt 16233	2	5/16" x 1.25" HHCS	16337	
	12	1/4" x 1/2" Carriage bolt	16233	



Installation Notes:

- > Read all instructions before installing any Havis, Inc. products.
- Use hardware provided with install kit.

Vehicle Note:

For K9 applications, it is recommended to order the Interceptor Utility with the OEM optional Aux Rear Air conditioning. (Ford option code 17A)

K9-F28-XL Assembly K9-A-106



Havis, Inc.
75 Jacksonville Road
Warminster, PA 18974
T800-524-9900 F215-957-0729
www.havis.com



Remove the rear passenger, door panels first. Behind the door open paddle handle and grab handle, remove plastic cover and 10mm head bolts. Remove two 7mm head fasteners from bottom of door.



Remove (2) plastic screw retainers from bottom of door. These will not be reused.

Note: Push in oval grommet with wire harness so K9 door panel lays more flat when screwed on. Make sure harness does not interfere with internal door parts.



Remove door speaker. (7mm socket)
Prior to next step, attach Speaker
cover to door panel with 1/4"x1/2"
carriage bolts and serrated nuts.



Attach speaker pods to door panels using supplied carriage bolts and serrated nuts. Place K9 kit door panel onto door. The top will hook onto rubber molding.



Be sure to center cutouts in door panel over OEM window track studs. Drill mounting holes with 1/8" drill bit. Attach door panels with supplied #10 x 1/2" Phillips pan head sheet metal screws.

Note:

It is always highly recommended to use a drill stop to eliminate the possibility of drilling too deep.

Check remote door unlock feature before closing door.

If desired, the window studs may be cut off or grinded flush to the OEM nuts.



NOTE: Window guards are shipped flat. On the edge of a work bench, bend a contour in the middle of the guard so it will fit tight against the window frame.



Position window guard with hinge assembly inside window frame and attach hinge to door panel prepunched holes with supplied # 10 x 1/2 Phillips pan head sheet metal screws.



With upper mount bracket attached to window guard, mark mounting hole locations in upper door / window frame. Drill 5/32 holes. **Note: OEM black trim stays on window frame.**





Attach upper mount bracket to window frame with supplied #10 x 1/2 Phillips flat head sheet metal screws.



Door Panel and Window Guard complete. See last page of instruction if

mounting fan to window guard.

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Remove back seats and set aside. Set hardware aside to use later on.



Remove door sill plates. These will not be reused.



Remove rear floor sections. T-55 Torx socket will be needed for the forward floor section bolts.



Remove the large section of foam. This will not be reused.



The two smaller sections of foam can be left in place.



The (3) seat belts on the back seats have built in sensors that will turn on an indicator on the dash. These must be removed from the OEM seats.

(T-50 Torx)



Remove the seat belt harness from the bottom of the seat.





Wire tie the removed seat belts to the OEM cross brace and plug back in.

Note: Make sure to connect back into the original plug. Double check that the pins in plugs did not come loose.





Use OEM seat bolts to attach K9 kit, front floor bracket to OEM seat mount locations.



Use OEM nuts to attach K9 kit middle floor support bracket to OEM cross brace.



Attach rear floor bracket using previously removed T-55 Torx bolts.

NOTE: If using with C-TTP-INUT1200/1201, make sure to install this bracket as far forward as possible!



If using the optional K9-A-111 bracket, attach Whelen Cencom unit to bracket now.



Attach K9-A-111 to rear floor mounting bracket with supplied mounting hardware.



Prior to installing floor, side floor steps must be attached.



Attach with (3) 1/4" x 3/4" Phillips head bolts and flat washers.





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Attach cover plate with supplied hardware.

Note: Run wiring for dome light, rear fan and other equipment prior to installing floor.



Place floor into vehicle and loosely attach to front and middle floor brackets with 1/4" x 3/4" Phillips head bolts and flat washers.



Place rear angled floor section into vehicle. Attach to forward floor, and rear bracket with 1/4" x 3/4" Phillips head bolts and flat washers.



Prior to front bulkhead installation, remove OEM "B" pillar grab handles. Attach upper front bulkhead "L" brackets to "B" pillar with OEM grab handle screws. (Longer bracket on top and "L" flange facing out as shown)



With the help of a second person, carefully place front bulkhead into vehicle.

Take care not to scratch floor.



Loosely attach front bulkhead to "B" pillar brackets with 1/4" x 1/2"carriage bolts and serrated flange nuts. Bracket goes on inside of bulkhead flange.



Carefully lay rear bulkhead on flat work surface prior to installation.

Note: Rear bulkhead no longer has removable rear guard.



Place rear support brace on backside of bulkhead. Flange at bottom of wall should be facing up.



Attach brace with 1/4" x 3/4" carriage bolts and serrated nuts.





Carefully place rear bulkhead into vehicle and line up to holes in floor.



Attach rear bulkhead to floor and floor bracket with (3) 1/4" x 3/4" carriage bolts and serrated nuts.





Tighten hardware when all three bolts and nuts have been installed.



Attach electrical access covers with 1/4" x 3/4" Phillips head bolts and flat washers.



Place ceiling on top of front and rear bulkheads.

Loosely attach ceiling to rear bulkheads with 1/4" x 3/4" Phillips head bolts and flat washers.



Attach rear side wall into kit with 1/4" x 3/4" Phillips head bolts and flat washers.

Repeat for other side



Attach lower trim panel with 1/4" x 3/4" Phillips head bolts and flat washers.

Repeat for other side



Attach upper rear trim panel to rear side wall and lower trim panel with 1/4" x 3/4" pan head Phillips bolts and flat washers.

Repeat for other side



Attach upper trim panel with 1/4" x 3/4" Phillips head bolts and flat washers.

Repeat for other side K9-F28-XL_INST_5-25





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Attach (2) rubber bumpers (CM93084) into the rear trim panel. One on each end with the bumper facing down.



Place rear trim panel onto rear floor mounting bracket and line up to threaded inserts.



Attach with (3) 1/4" x 3/4" Philips head bolts and flat washers. Do not tighten yet



Place OEM rear floor into vehicle and line up to rear filler. Tabs from floor will insert into bracket. Determine location where floor lines up to rear hatch sill plate.

Tighten hardware



Install optional K9-A-108 divider into kit now. Divider can now be slid in through either side. Once inside the kit, turn divider and line up square to front and rear bulkhead



The divider wall can be placed in three different position using pre-punched mounting holes. Divide 50/50 or 60/40. Once location is determined, attach divider to rear bulkhead with 1/4"x 3/4" Philips head bolts and flat washers.



Attach upper rear section of divider to rear bulkhead with 1/4" x 3/4" Philips head bolts and flat washers.



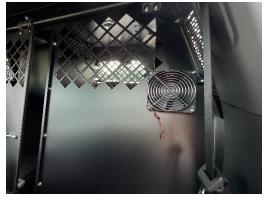
Attach front of the divider to front bulkhead with 1/4" x 3/4" carriage bolts and serrated nuts.



Repeat for top of divider



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Example mounting location for the optional air circulation fan.
K9-A-102



to shed water out of vehicle.

Note: The floor is designed to minimize the need for sealant. Caulk (sealant) is mostly needed where the floor meets the door sill and lower filler panels.



Confirm smooth slide and lock function on front egress door.



Driver side window guard with optional 10" fan kit shown.

Fan and window mount kit part number **K9-A-104****Kit includes K9-A-301 fan and WGI007335 mount with hardware** **K9-A-104** also works on Passenger side window guard.



Installation is now complete.

Insert shown with optional K9-A-108 divider.

Dog sold separately

