

INSTALLATION INSTRUCTIONS

Product

7170-0001, 7170-0002 TRUNK SYSTEM KITS
DODGE CHARGER (2007-2010)

7160-0018 UPPER TRUNK TRAY
DODGE CHARGER (2007-2010)

7160-0019 TRUNK STORAGE BOX KIT
DODGE CHARGER (2007-2010)

7160-0020 LOWER TRUNK TRAY
DODGE CHARGER (2007+)

Revision

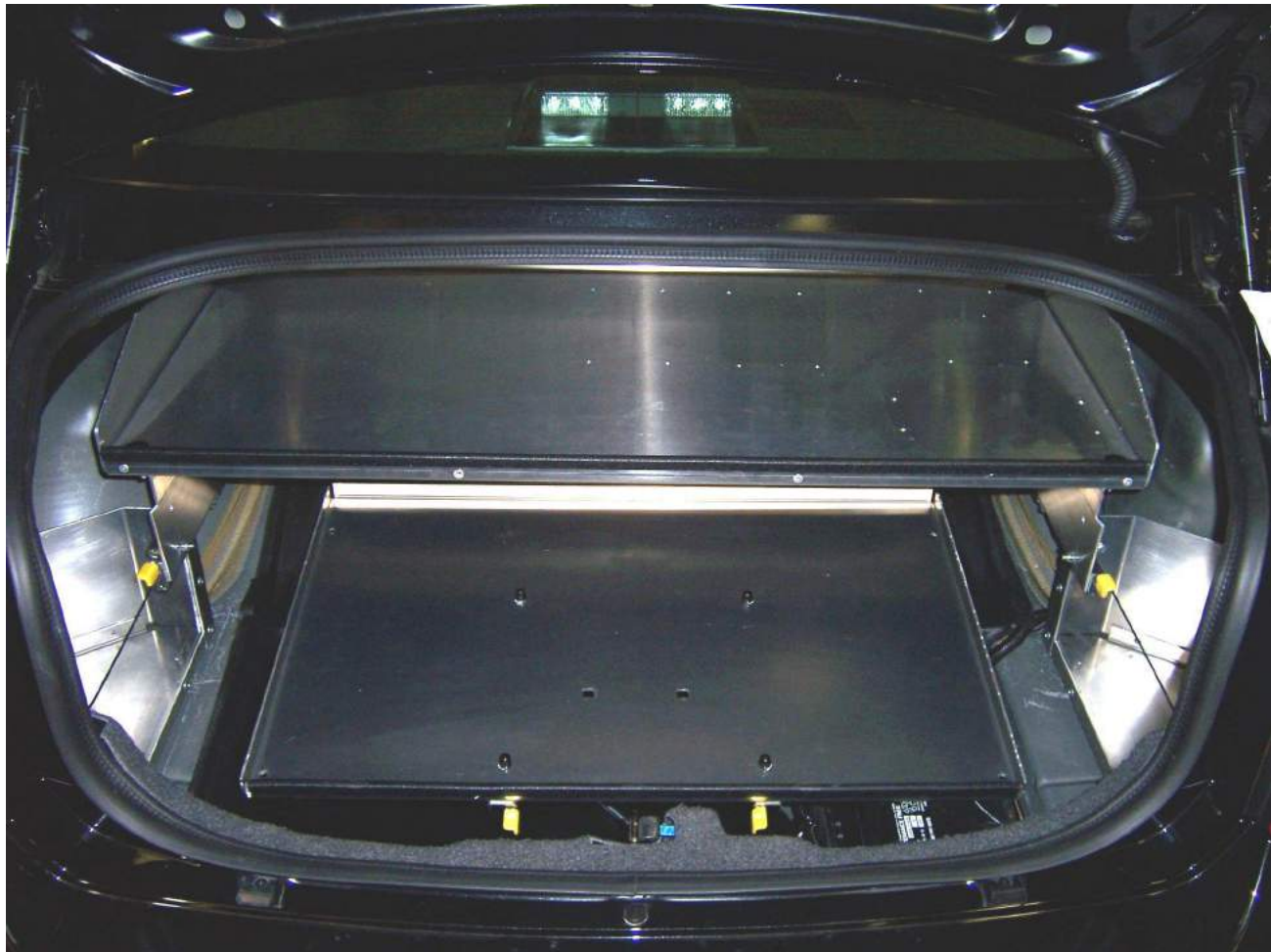
Rev. C

Form#

INST-368

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The purpose of this installation instruction is to illustrate the manufacturer's recommended method of installation. The Dodge Charger Trunk System and the various components that make it up are all separately highlighted in this instruction packet. The products can be ordered as an entire system (7170-0002), as a dual trunk tray system (7170-0001), as single trunk trays (upper 7160-0018 & lower 7160-0020), and as a dual storage box system (7160-0019).



Dodge Charger Trunk System (7170-0002) Installed

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Dodge Charger Police Trunk Storage Package Including:

1. Tools Required.....	2
2. Parts and Hardware.....	3
3. Vehicle Preparation.....	6
4. Lower Tray Assembly.....	8
5. Upper Tray Assembly.....	10
6. RH Storage Box w/ Panel.....	13
7. LH Storage Box w/Panel.....	13
8. “Y” Strap Kit.....	15

Tools Needed for installation

- Hand Drill
- Ratchet wrench
- 7/16 socket
- 17mm deep well socket
- 19mm socket
- 7/16 wrench
- Rivet setting tool
- 13/64 Drill bit
- 9/32 Drill bit
- 25/64 Drill bit (10mm)
- Permanent Marker
- No 4 Phillips screwdriver
- Push pin removal tool
- Large Flathead screwdriver
- Sharp knife
- Tape Measure
- Pliers

Parts List

7170-0001 Dodge Charger Dual Trunk Tray Kit

QTY	PART NO.	DESCRIPTION
1	7160-0018	Upper Trunk Tray
1	7160-0020	Lower Trunk Tray

7170-0001 Dodge Charger Trunk Tray System

QTY	PART NO.	DESCRIPTION
1	7160-0018	Upper Trunk Tray
1	7160-0020	Lower Trunk Tray
1	7160-0019	Dual Storage Box Kit
1	7120-0387	"Y" Strap Kit

7160-0018 Dodge Charger Upper Trunk Tray

QTY	PART NO.	DESCRIPTION
1	13334	Upper Trunk Tray
1	13335	Upper Tray Slide Mounting Bracket, RH
1	13337	Upper Tray Inner Panel
1	13338	Upper Tray Mounting Bracket, LH
1	13340	Upper Tray Drawer Slide, RH
1	13341	Upper Tray Drawer Slide, LH
1	13343	Upper Tray Slide Mounting Bracket, LH
1	13344	Upper Tray Mounting Bracket, RH
1	7120-0384	Hardware Bag, Upper Trunk Tray

7160-0019 Dodge Charger Dual Storage Box Kit

QTY	PART NO.	DESCRIPTION
1	13355	Storage Box, Left Hand
1	13356	Storage Box, Right Hand
1	13357	Trunk Panel, Left Hand
1	13358	Trunk Panel, Right Hand
1	7120-0386	Hardware Bag, Dual Storage Box Kit

Parts List (cont'd)

7160-0020 Dodge Charger Lower Trunk Tray

QTY	PART NO.	DESCRIPTION
1	13336	Lower Trunk Tray
2	13339	Slide Mounting Bracket, Lower Tray
1	13342	Slide Mounting Bracket, Lower Rear
1	7130-0069	Slide Assembly with Studs, Right Hand
1	7130-0070	Slide Assembly with Studs, Left Hand
1	7120-0385	Hardware Bag, Lower Trunk Tray

7120-0384 Hardware Bag, Upper Trunk Tray

QTY	PART NO.	DESCRIPTION
8	13347	Pop Rivet 3/16 x .06-.25
4	13348	Plug 3/4" Black Nylon
4	13349-0001	Nylock nut m10 x 1.5
4	13350-0001	Washer Flat M10 Steel Zinc Plate
44	13351	Edge Trim 1/8 -3/16 black 1.00" Length
14	1173-1412	Hex Head MS 1/4-20UNC x .75 LG
14	13351	1/4-20 Lock Nut

7120-0385 Hardware Bag, Lower Trunk Tray

QTY	PART NO.	DESCRIPTION
4	12079-0005	1/4" External Tooth Lock Washer
32	13351	Edge Trim 1/8-3/16 Black 1.00" Length
1	13238-0001	Washer Flat 7/16 ID
1	13352-0001	Carriage Bolt 7/16-14 x 8.5
1	13353	Wing Nut 7/16-14 Steel Zinc Plate
4	13354	Cap Black Vinyl 3/8-7/16" ID
2	13349-0002	Nylock Nut M12 x 1.75
2	13350-0002	Washer Flat M12 Steel Zinc Plate
6	1503-1400	1/4-20 Lock Nut
4	1403-1400	1/4-20 Hex Nut
6	1173-1412	Hex Head MS 1/4-20 x .75

Parts List (cont'd)

7120-0386 Hardware Bag, Dual Storage Box Kit

QTY	PART NO.	DESCRIPTION
6	12079-0005	1/4" External Tooth Lock Washer
6	13360	Rivnut 1/4-20 x .027-.165
4	13359	Spacer Round 1/2" Thick, Aluminum
7	13347	Pop Rivet 3/16 x .06-.25
6	10650-0005	Screw PPHMS 1/4-20 x 1.25

7120-0387 Dodge Charger "Y" Strap Kit

QTY	PART NO.	DESCRIPTION
2	13360	Rivnut, 1/4-20 x .027-.165"
1	13361	Y-Strap
2	13366	Eyebolt, 1/4-20 x 1.00"
2	1403-1400	1/4-20 Hex Nut
2	12079-0005	1/4" ID External Tooth Lock Washer

Vehicle Preparation

If the trunk has a full size spare, unscrew the spare tire retaining wing nut (see FIG. 1) and remove tire.



FIG. 1
Close-up Photo of Full Size Spare Tire and Retaining Wing Nut

Unscrew the jack and remove from the vehicle.
The steps are similar for the space saver spare - remove from the vehicle

Remove retaining pins & remove the trunk liners as shown below. FIG. 2 items are with a full size spare, FIG. 3 items are with a space saver spare.



FIG. 2



FIG. 3

Pull up at each end of the seat base to release the retainers & remove the rear seat base. (see FIG.4)



FIG. 4

Push Pin Removal Tool

Vehicle Preparation (cont'd)

Ratchet Wrench
19mm Socket

At the bottom of the seat back use a 19mm socket to remove two nuts (**FIG. 5**)



FIG. 5

There are two spring clips located at each end of the seat back at the top, slide a flathead screwdriver between the deck and the seat back. (**FIG. 6**) Depress the top of the clip & pull the seat back out.

Repeat on the opposite side & remove the seat back. (**FIG. 7**)

Large Flathead
Screwdriver



FIG. 6



FIG. 7



FIG. 8

Unscrew front & rear bolts on the tire mounting bracket & remove bracket. (see **FIG. 8**)

If the trunk has the space saver spare, remove it as above except there will be no bracket.

Installing the Lower Tray Assembly

Hand Drill
9/32 Drill Bit
Ratchet Wrench
7/16 Socket
7/16 Wrench
Sharp Knife



FIG. 9

In the trunk, position the Rear Mounting Bracket on the trunk floor as shown in **FIG. 9**. Trim any matting as required so bracket makes contact with the metal car floor.

Note: Center notch & front edges are designed to position bracket to formed beads in the floor. Transfer 2 hole locations & drill out using 9/32 dia. drill bit. Attach the bracket using 1/4-20 screws & nuts.

Note: The models shipped with a full sized spare will have an existing hole for the left hand hole in bracket. Remove the clip-on nuts to enable use of 1/4-20 screws & nuts.



FIG. 10

In the back seat area, sub-assemble the RH & LH Lower Tray Slides to the Front Mounting Bracket using two 1/4-20 screws and nuts. (Note: use 2nd hole from the forward end of the slide)

In the mounted position the levers on the RH & LH slides will release when pushed inward toward the center of the car.

Mount the Front Mounting Bracket over studs and install two 12 mm nuts until they make contact but not tight. (**FIG. 10**) Slot matting raised area to clear both brackets otherwise, contact with matting here is acceptable

Attach slides to Rear Bracket using 1/4-20 screws & nuts. (see **FIG. 12**)

Trial install the Lower Tray over the four studs in the slide and operate the slide. Remove the tray and tighten 12mm nuts & all hardware attaching Slides to Brackets.

Installing the Lower Tray Assembly (cont'd)

Re-install the tray, tighten the 1/4-20 hex nuts over the external tooth washers & install four Black Vinyl Caps over nuts. (Note: Install tray so that the square holes are closest to the trunk opening.) Install 32" Rubber Channel to Tray front edge. Slide the tray to the forward position & insure that the slides lock in the closed position.

If not installing the Upper Tray, attach the spare tire & jack to the tray using the 7/16 Carriage Bolt, 7/16 Washer, & 7/16 Wing Nut. If the Upper Tray is to be installed do not install the spare tire & jack at this time.



FIG. 11

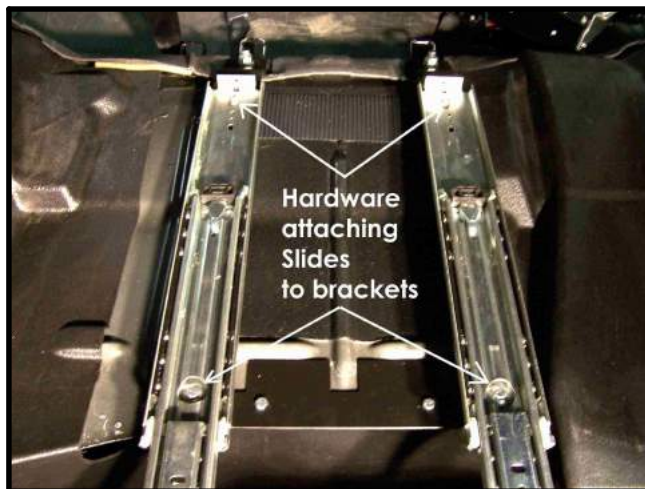


FIG. 12

Installing the Upper Tray Assembly



FIG. 13



FIG. 14

Attach the Upper Tray Slide Mounting Brackets over the shock absorber mounting studs (see **FIG. 13 & 14**) using four M10 flat washers & four M10 nuts until they make contact but not tight. (Note: Insure that the collars around the existing studs are fully through the mounting bracket holes.)

At the front end of the trunk, from inside the rear seat area, cut away the carpet at the edge of the metal seat back support framework to remove the overlapping carpet in two places. This exposes the area needed for attaching the two Upper Tray Slides. (see **FIG. 15**)



FIG. 15



FIG. 16

Drill out the center of the existing slots to 9/32. This hole will be the forward most mounting position for the Upper Slides. Repeat on the opposite side.

Ratchet Wrench
17mm Deep Well
Socket
Sharp Knife

Hand Drill
9/32 Drill Bit

Installing the Upper Tray Assembly (cont'd)

Ratchet Wrench
7/16 Socket
7/16 Wrench



FIG. 17

Position the slide as shown & attach to forward mounting hole using one 1/4-20 screw & lock nut (**FIG. 17**)

Note: To expose the proper mounting holes to black bracket, extend the slide completely, release the slide lock and move the middle section by hand.

Attach slide to black bracket using two 1/4-20 screws & lock nuts.

Note: Screw **MUST** be assembled as shown with the heads inside the Slide assembly



FIG. 18

Position the rear edge of the Upper Tray Mounting Bracket LH so that it aligns with rear edge of the slide. The rear most bolt is inserted in the rear most hole in the slide & attach using two 1/4-20 screws & nuts. The two lowest hole positions as shown will be required if the Lower Tray Assembly is installed and the full sized spare tire will be mounted on the lower tray. If the space saver tire is used on the lower tray, the upper two holes may be used creating more useable space above the upper tray. (**FIG. 18**)

Note: Screws **MUST** be assembled as shown with the heads inside the Slide assembly

Repeat for the passenger Drawer Slide

Installing the Upper Tray Assembly (cont'd)

Rivet Setting Tool



FIG. 19

Assemble the Inner Panel into the Upper Trunk Tray panel with the flanges down, the Gamber-Johnson logo label nearest the rear of the vehicle, & align the holes. Fasten together using eight Pop Rivets.

Cut the edge trim 41" & attach to the Tray front edge. Attach the remaining 3" piece to the passenger side vertical edge of the Tray. (FIG. 19)



FIG. 20

Pull the RH & LH Upper Tray Slides rearward as far as they will go (FIG. 20), position the Tray on top, align holes, & attach four 1/4-20 screws down through the tray holes then apply the nuts. Insert four 3/4" Black Nylon Plugs in the Tray holes.

While holding the lock levers down, slide the tray to the forward position & insure that the slide move freely & that they lock in the closed position.

Attach the spare tire & jack to the lower tray using the 7/16 carriage bolt, 7/16 washer, & 7/16 Wing Nut.

Ratchet Wrench
7/16 Socket
7/16 Wrench

Installing the Storage Boxes with Panels

Permanent Marker

Power Drill
13/64 Drill Bit
Rivet Setting Tool

Tape Measure
Hand Drill
25/64 Drill Bit
Rivnut Setting Tool
No. 4 Phillips
Screwdriver

Position the LH Side Panel as shown in FIG. 21, adjust until level, transfer the four hole locations to the trunk side wall.



FIG. 21

Use the 13/64 drill bit & drill the holes into the trunk side panel, as shown in FIG. 22. (Note: When drilling into the vehicle it is strongly recommended to place a piece of hosing over the drill bit leaving just enough of the bit exposed to pierce the desired wall thickness)

Secure the LH Side Panel to the car with 3/16 Pop Rivets. (FIG. 24)



FIG. 22



FIG. 23

Repeat the process for three holes in the RH Side Panel. (FIG. 23 & 25)



FIG. 24



FIG. 25

Position the Left Hand Storage Box as shown at least 2.5" from the side of the box to the trunk floor sidewall (see FIG. 26). Ensure the box is parallel (FIG. 27) and then transfer one outboard hole location to floor, remove the box & drill 25/64 hole. (see FIG. 28)

Note: For all drilled holes for mounting these boxes, we recommend applying rust preventative to the drilled hole edges before installing rivnuts.

Note: If Upper Tray Assembly is installed and before box mounting holes are determined, insure there is clearance between extended Tray & Storage Boxes.

Installing the Storage Boxes with Panels (cont'd)



FIG. 26



FIG. 27

Apply rust preventative per manufacturer's recommendations to drilled hole edge



FIG. 28

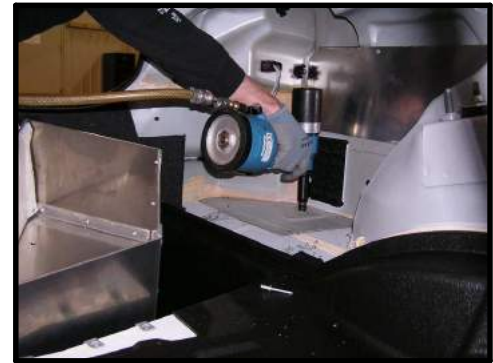


FIG. 29

Set rivnut (FIG. 29) & temporarily install the box with phillips head screw & external tooth lock washer. Re-align the box and mark through the two inboard holes.

Remove the box, drill two 25/64 holes. Apply rust preventative & set two rivnuts

Replace the box, position two spacers under the box on the inboard holes to keep the box level & screw the box to the trunk using three phillips head screws & external tooth lock washers.

Repeat the above process for the RH storage box.

Installing the "Y" Strap Kit

Hand Drill
25/64 Drill Bit
7/16 Wrench
Pliers



FIG. 30

Drill out two existing holes on either side of trunk latch using 25/64 drill bit & install two rivnuts

Screw in two Eye Bolts with External Tooth Washers & tighten nut.

Slide one "D" ring of "Y" Strap over each Eye Bolt & bend close the "D" Rings.

Clip the Hook of the loose end of "Y" Strap in existing hole of inner trunk lid. (**FIG. 30**)