

Part # 4463 & 4470 2018 Ford Mustang C-Series Upper & Lower Grilles

Notice: Install new, parts according to these instructions! Altered Parts are Non-Refundable!

Step 1 | Tools: Floor Jack, Jack Stand

Jack your Mustang up and support it with a jack stand. Working on your vehicle while supported on jack stands will give you access to areas of the vehicle that need to be removed and reinstalled.

Step 2 | Tools: 8mm Deep Socket, 7/32" Deep Socket, 1/4" Drive Ratchet, Flathead Screwdriver

Use a flat head screwdriver to remove the 8 push pins that hold the radiator cover in place and then remove the radiator cover. Next remove six, 8mm screws that attach the front bumper to the vehicle as shown in Fig. A. Remove two, 7/32" screws next to each headlight as shown in Fig.B.



PART # 4463		
QTY	DESCRIPTION	HARDWARE #
34	PHILLIPS SCREWS	PHL/PH/BL/.375
1	HEX CENTER SCREEN	026
2	HEX SIDE SCREENS	027 L-R
18	CLIPS	073
1	ROLL OF 1/2" 2-SIDED TAPE	VHB 20
1	BLACKOUT VINYL	7291
4	BLACK ZIP TIES	CABLE TIE 8IN

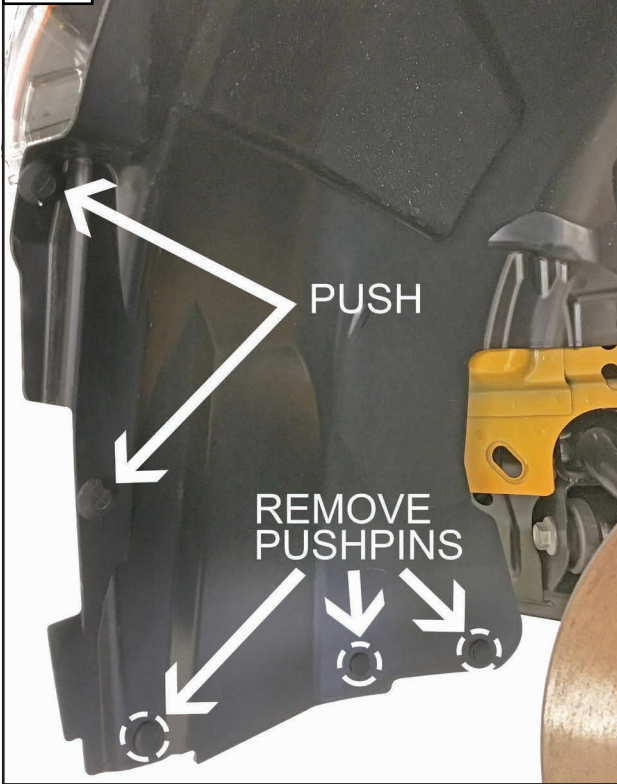
PART # 4470		
QTY	DESCRIPTION	HARDWARE #
34	PHILLIPS SCREWS	PHL/PH/BL/.375
1	HEX CENTER SCREEN	035
2	HEX SIDE SCREENS	039
16	CLIPS	071
1	ROLL OF 1/2" 2-SIDED TAPE	VHB 20
4	1/4-20 X 1" BOLTS	HEX/ZN/1/4-20/1.0
4	LOCK WASHERS	LOCK/ZN/.25/.5
4	1/4-20 NUTS	HEX/ZN/1/4-20
2	8M-1.25 NUTS	HEX/ZN/8M-1.25
2	L-BRACE	075
2	V-BRACE	076

TOOL AND MATERIALS LIST	
QTY	DESCRIPTION
1	1/4" DRIVE RATCHET
1	5.5MM OR 7/32" SOCKET
1	7MM DEEP SOCKET
1	8MM DEEP SOCKET
1	10MM DEEP SOCKET
1	PHILLIPS HEAD SCREWDRIVER
2	LARGE FLAT HEAD SCREWDRIVER
1	PANEL PULLER
1	HEAT GUN
1	SCISSORS
1	GLASS CLEANER
2	JACK STANDS
1	FLOOR JACK
1	15MM WRENCH
1	7/16" WRENCH



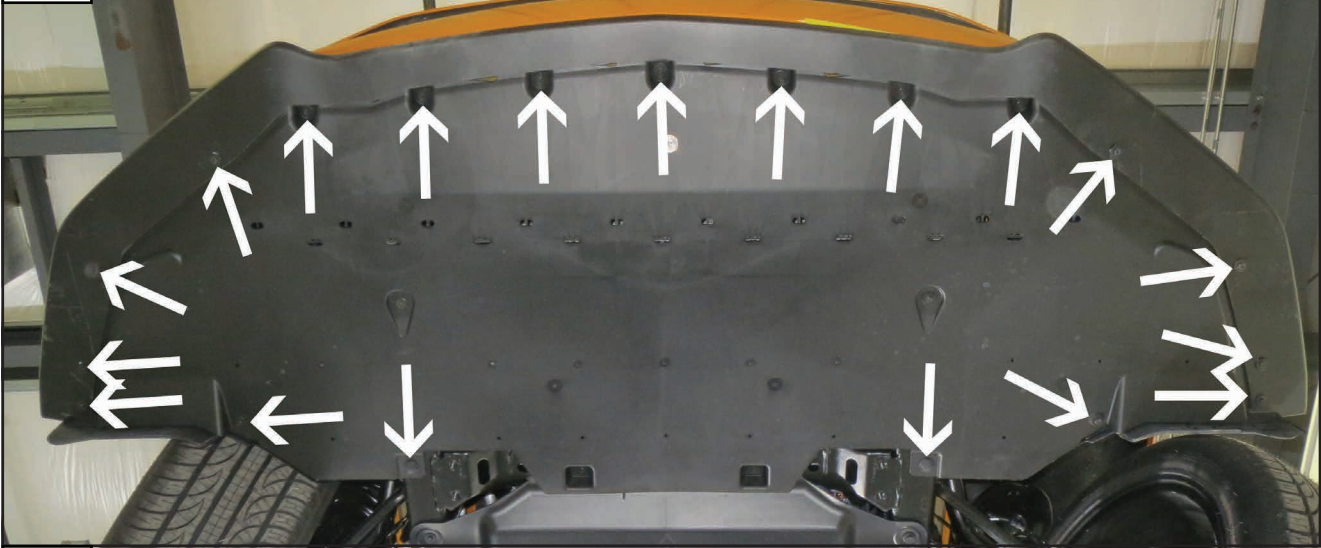
Step 3 | **Tools: Flathead Screwdriver, 10mm Deep Socket, 1/4" Drive Ratchet**

Use a flat head screwdriver to remove 3 plastic push pins located at the bottom in each wheel well as shown in Fig. C. Next, release the two other "Push To Release" pins by pushing on the center as shown in Fig. C. You need to remove two 10mm nuts behind the plastic wheel well. Start on the left side and turn your wheel all the way to the right side. Pull the plastic wheel well back to gain access to the 10mm nuts that hold the bumper to the fender as shown in Fig. D. Repeat on right side. Turning the wheel in the opposite direction to gain access.

Fig. C**Fig. D**

Step 4 Tools: 7mm Deep Socket, 1/4" Drive Ratchet

Remove nineteen, 7mm screws that attach the lower splashpan to the bumper and chin spoiler as shown in Fig. E. Next, remove the splashpan. Then unplug each side marker light as shown in Fig. F.

Fig. E**Fig. F**

Step 5

Two people are required to remove the front bumper from the car. Pull down on the bumper where it meets the fender to unsnap the bumper from the fender as shown in Fig. G. Next, pull up on the front ledge of the bumper to clear the plastic dowels on the reinforcement as shown in Fig. H. Take care to place your front bumper on a surface that will not damage the paint.

Fig. G

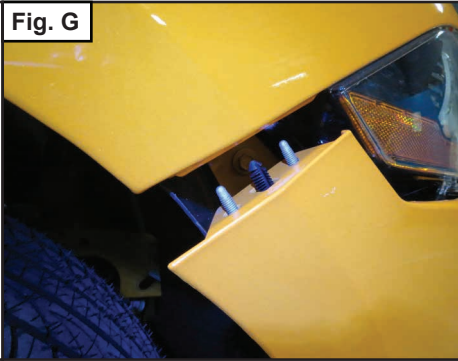


Fig. H



LIFT BUMPER AWAY FROM DOWELS

Step 6

If your Mustang is equipped with this shutter it must be removed. Removing the shutter will not affect the drivability of your vehicle. No DTC codes or warnings will appear on your dash.



****STEPS 6-10 APPLY TO NON-PERFORMANCE PACK CARS ONLY. IF YOUR CAR HAS THE PERFORMANCE PACK MOVE ONTO STEP 11****

Step 7-Remove Shutters

Tools: Panel Puller

The shutters will need to be removed from Non-Performance Pack cars. Start by releasing the plastic sensor assembly from the steel bumper reinforcement with a panel puller as shown in Fig. I. Next, remove the sensor assembly. You will reinstall the sensor assembly into the steel bumper reinforcement after the shutters are removed.

Fig. I



***This is the type of panel puller you will need if you do not own one you can pick one up at your local hardware store.**



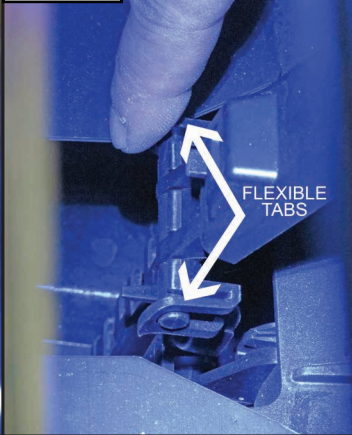
Step 8 Tools: 5.5mm or 7/32" Shallow Socket, 1/4" Drive Ratchet

Using a 5.5mm or 7/32" socket remove the 2 screws behind the steel bumper reinforcement as shown in Fig. J. The screws are located below the hood latch. During this step both the screws and the tab need to be accessed from above. Directly under the hood latch between the steel bumper reinforcement and the air condenser you will see a flexible tab. Push on this tab to remove the bracket as shown in Fig. K.

Fig. J



Fig. K

**Step 9** Tools: 8mm Deep Socket, 1/4" Drive Ratchet

Remove four, 8mm bolts as shown in Fig. L. Remove 2 push pins on the top of the shutter to the left and right of the hood latch shown in Fig. M. Pull on the two push pins to remove them as shown in Fig. M. Before removing the shutter from the car it will need to be unplugged as shown in Fig. N. Proceed to remove shutter.

Fig. L



Fig. M

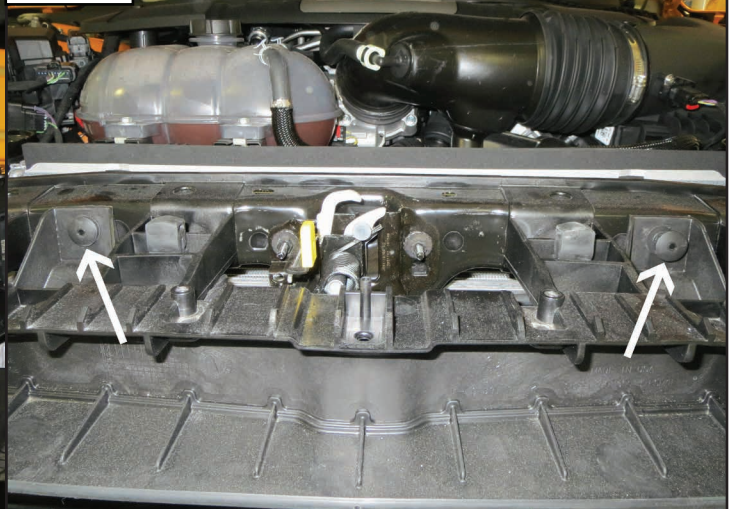


Fig. N

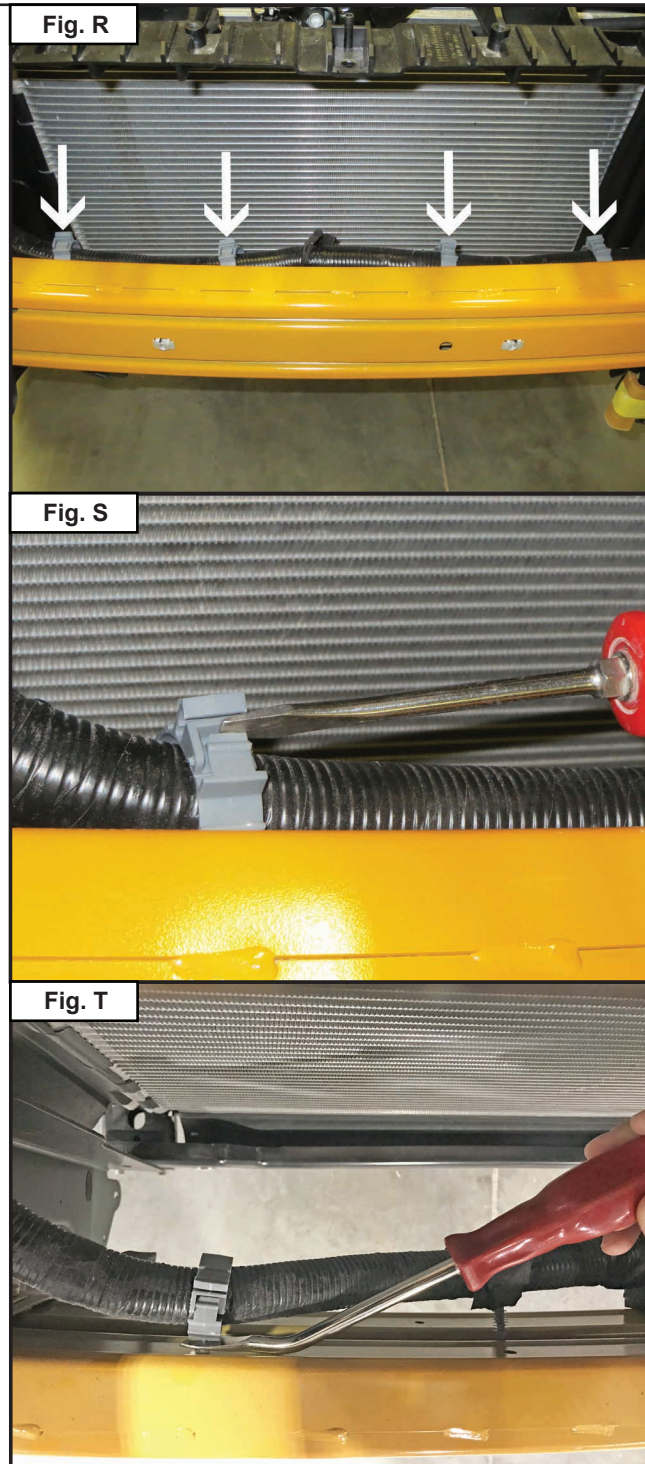


Step 10 If your Mustang is black or another dark color this step does not apply.

Blacken out behind the grille: It may be necessary to blacken out portions of your steel bumper reinforcement behind the grille if you own a light colored Mustang. You have two options to darken the area behind the upper grille. One option is to paint the area with flat or semi flat black paint (sanding is required to get the paint to adhere). The second option is to use the black vinyl with the zip ties supplied in the hardware packet.

Step 11 Tools: Flathead Screwdriver, Panel Puller

Locate the grey plastic loom fasteners securing the wire harness behind the steel bumper reinforcement shown in Fig. R. Using a flat head screwdriver place it as shown in Fig.S and twist to unlock all 4 plastic clips. Remove the plastic clips with a panel puller as shown in Fig.T.



Step 12 Tools: Heat Gun (Blow Dryer), Scissors, Glass Cleaner

Cut and separate the 3 pieces of vinyl from each other. Next, clean the top surface of the steel bumper reinforcement and the right side frame rail, where the vinyl will be applied, with glass cleaner and a clean cloth to remove any dirt. After you cleaned the area where the vinyl is installed you need to peel back the large piece of vinyl from the backing paper while spraying the adhesive side with glass cleaner. This will give you the working time you need to align the vinyl in place as shown in Fig U. Start on the right side of the steel reinforcement (passenger on US cars) and align it as shown in Fig U. Place the vinyl down and use your fingers to lightly push out the glass cleaner. Continue to push the glass cleaner out with your fingers by starting in the middle and working your way to each side. You will need a blow dryer on high heat to conform the vinyl around the edges and into tight corners. Once this is complete, repeat the same steps on the other two smaller pieces of vinyl placing them on the right side frame rail as shown in Fig V. Lastly install the 4 black zip ties provided in your hardware packet to relocate the wire harness, behind the steel bumper reinforcement, down as shown in Fig. W.

Fig. U

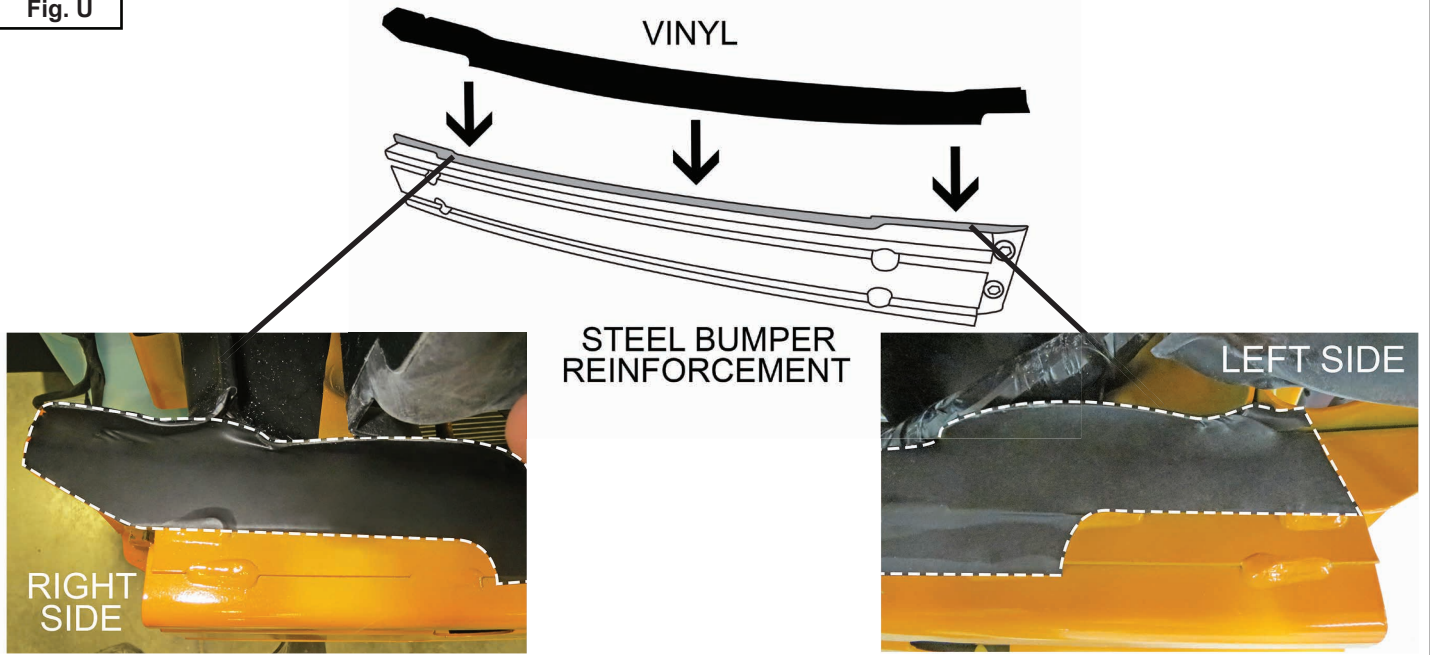


Fig. V

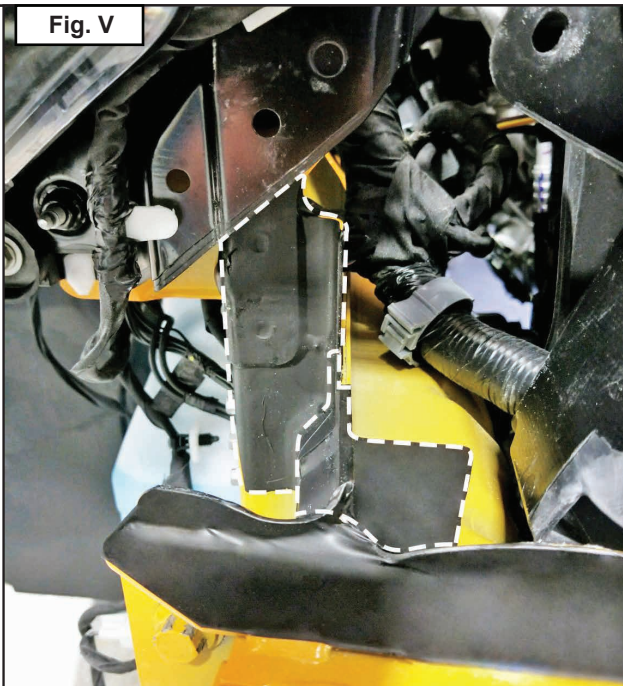
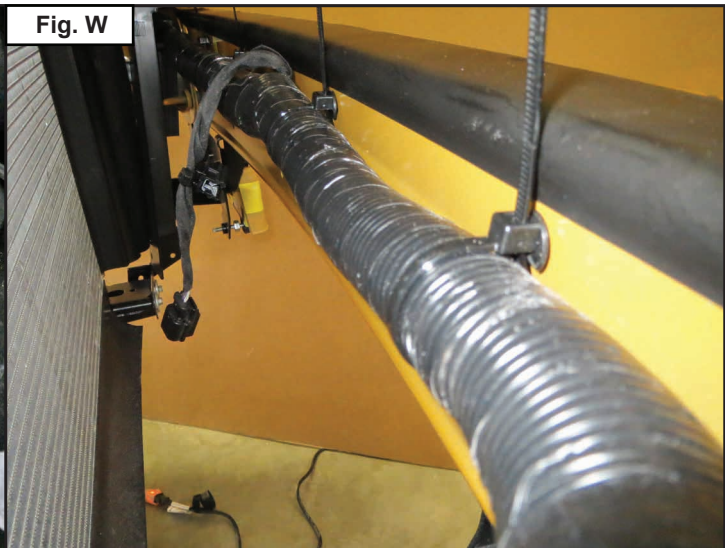


Fig. W



Step 13 Tools: Flathead Screwdriver

Remove the 8mph plastic impact bar attached to the factory upper and lower grill by using a flat head screw driver by apply pressure to the locking tab as shown in Fig.X1 and the pulling upward in each of the six location as shown in Fig. X2. This will be reinstalled in Step 17. To remove the grilles you will need 2 people and 2 large flat head screw drivers. In order to unlock the tabs holding the grilles in place it is best to work on 2 tabs close together at the same time. Starting on one side of the grille apply pressure to the tabs as shown in Fig. Y1. Then place your finger tips under the grille and pull upward as shown in Fig. Y2. You will need to unlock the tabs on one side and work your way to the other side. The order in which you should remove the tabs is illustrated in Fig. Z. Two people are needed in order to keep pulling pressure on the grille while releasing more tabs.

Fig. X1

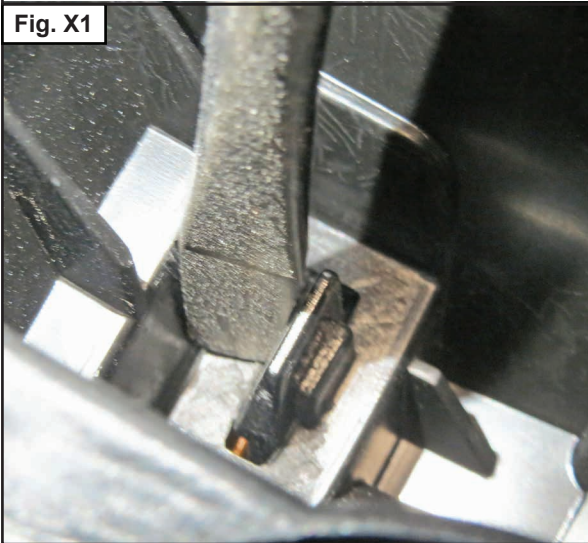


Fig. X2

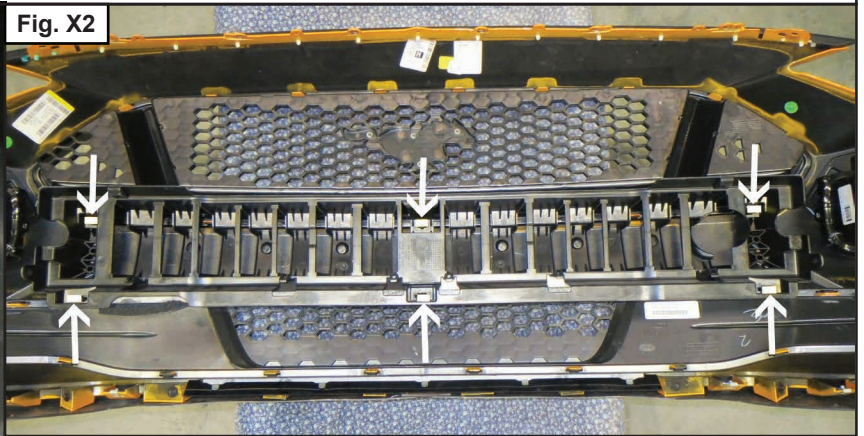


Fig. Y1

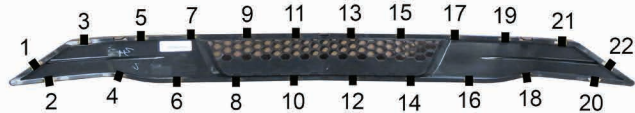
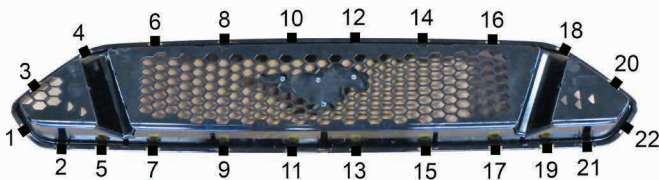


Fig. Y2



Fig. Z

RELEASE GRILLE TABS IN THE SEQUENCE SHOWN



Step 14 Tools: Phillips Screwdriver

The upper grille (4463) uses the silver clips #073. The lower grille (4464) uses the black clips #071. Insert the grilles from the front of the bumper then loosely install clips using the screws provided in the hardware packet as shown in Fig. A-A.

Fig. A-A

**Step 15**

The grilles have a ledge. The bumper has a lock. The ledge and lock need to fit together as shown in Fig. B-B. (Clip removed to show fitment)

Fig. B-B

**Step 16** Tools: Phillips Screwdriver

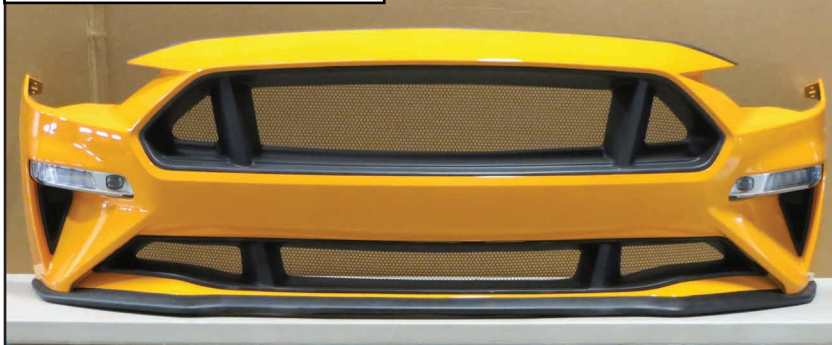
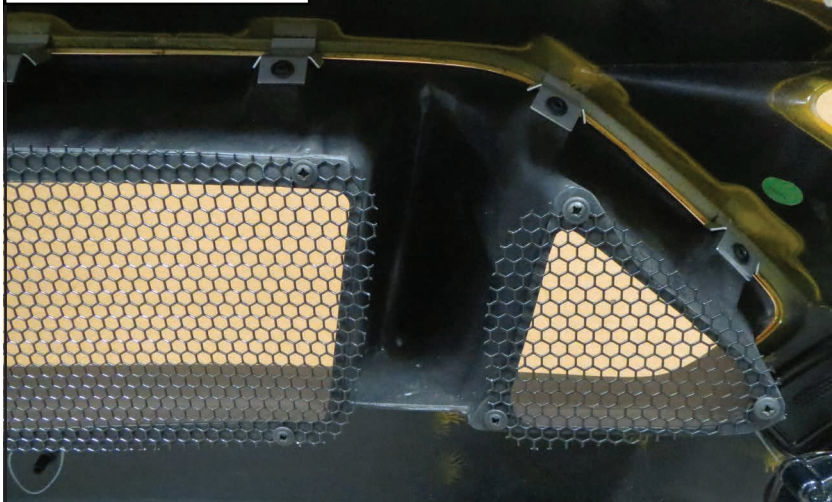
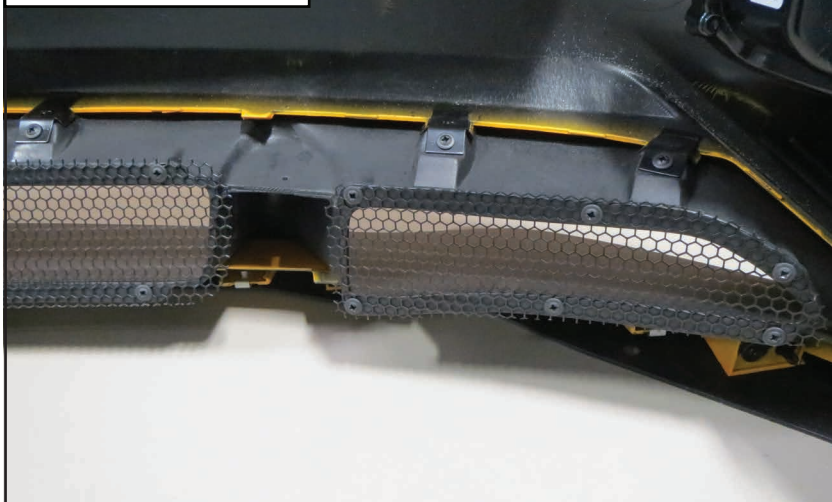
Tighten all clips and pay close attention to the ledge and lock on each as shown in Fig.C-C.

Fig. C-C



Step 17 | **Tools: Phillips Screwdriver**

Before installing the screens on the upper and lower grille, place the bumper on bottom side on a flat surface, this will hold the grille in its proper fitted location. Install all screws halfway then tighten.

Bumper Bottom on flat surface**Installed Upper Screens****Installed Lower Screens**

Step 18 Tools: Scissors, 2 Sided Tape

Using isopropyl alcohol, clean the 2 flat surfaces on the 8mph impact bar where the 2 sided tape is installed in Fig. D-D. Then install the 2 sided tape. Hold the impact bar up to the car as shown in Fig. E-E. Pay close attention to make sure the reinforcement is right side up. Note: Installing the reinforcement upside down will not allow the bumper to fit properly. Position it centered from left to right. Take note where the 2 sided tape will come in contact with the area of reinforcement. Clean the area of reinforcement with isopropyl alcohol and install the impact bar.

Fig. D-D



Fig. E-E

**Step 19**

Once this is complete you can reinstall your bumper onto the car. Do not install lower splash pan.



Step 20 | **Tools: 15mm Socket, 1/4" Drive Ratchet** | **Fig. F-F**

Install the L-Brace (075) to the lower reinforcement bolt using the 8M – 1.25 nut supplied in the hardware packet as shown in Fig. F-F.



Step 21 Tools: 7/16" Wrenches, 7mm Socket, 1/4" Drive Ratchet

Install the lower support V-Brace (076) using the factory bolt to the radiator support. Connect the L brace to the lower brace using the supplied 1/4-20 bolts, nuts and lock washers also shown in Fig.G-G. Install the factory screws through the oval slots and into the factory bumper.

Fig. G-G**Fig. H-H****Step 22** Tools: 15mm Wrench, 7/16" Wrenches, 7mm Socket & Ratchet

Tighten the hardware in this order.

1. The nut on the top of the L-brace.
2. The 2 bolts connecting the braces together.
3. The bolt to the radiator support

Step 23

Reinstall the lower splash pan.