



Installation Instructions

XT4, MEGATHIN, MR6 & M180
SIDE VIEW MIRROR BRACKETS



2012 to Present Ford PI Utility - Pages 4 & 5



2015 to Present Chevy Tahoe - Pages 8 -10



2011 to Present Dodge Charger - Pages 5 - 7



2011 to Present Chevy Caprice - Pages 11 & 12



2012 to Present Ford PI Sedan - Pages 7 & 8



2015 to Present Ford F150 - Pages 13 & 14

Introduction:

The XT4, Megathin, MR6, & M180 Side View Mirror Brackets fit on the front of the vehicle's side view mirrors & provide a warning signal at street intersections. See Supported Vehicle List.

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2005 to Present Chevy Impala - Page 15

Supported Vehicles List: 2012 to Present Ford PI Utility, 2011 to Present Dodge Charger, 2012 to Present Ford PI Sedan, 2015 to Present Chevy Tahoe, 2011 to Present Chevy Caprice, 2015 to Present Ford F150, 2005 to Present Chevy Impala.

IMPORTANT! Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



WARNING!

Failure to install or use this product according to manufacturers recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!



Do not install and/or operate this safety product unless you have read and understand the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
2. Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation is vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. It is the responsibility of the vehicle operator to ensure daily that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
6. The use of this or any other warning device does not ensure all drivers can or will observe or react to an emergency warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, drive against traffic, respond at a high rate of speed, or walk on or around traffic lanes.
7. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Specifications:

The XT4, Megathin, MR6, & M180 Side View Mirror Brackets fit on the front of the vehicle's side view mirrors and provide a side warning signal at street intersections.

For XT4, Megathin, MR6, & M180 light head specifications and operation see the individual light head installation manuals for the light head you are installing.

2012+ Ford PI Utility brackets-----.685" Deep X 1.375" High X 5.440" Wide.

2011+ Dodge Charger brackets---.990" Deep X 1.440" High X 5.440" Wide.

2012+ Ford PI Sedan brackets ---.760" Deep X 1.440" High X 5.440" Wide.

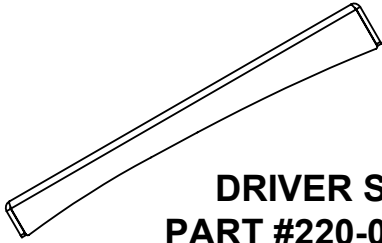
2015+ Chevy Tahoe brackets-----.630" Deep X 1.375" High X 5.440" Wide.

2011+ Chevy Caprice brackets----.630" Deep X 1.375" High X 5.440" Wide. Uses same bracket as Chevy Tahoe.

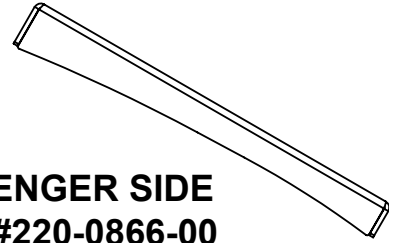
2005+ Chevy Impala brackets-----1.180" Deep X 1.375" High X 5.440" Wide.

2015+ Ford F150 No mounting bracket is required, the light heads may be attached directly to the plastic mirror housing.

**SIDE VIEW MIRROR MOUNTING BRACKET IDENTIFICATION
ORIENTED AS LOOKING DOWN FROM THE SKY**

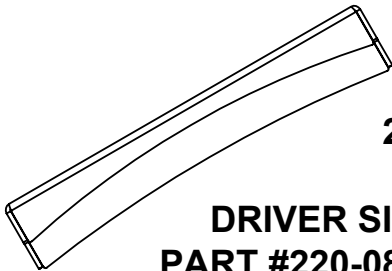


**DRIVER SIDE
PART #220-0865-00**

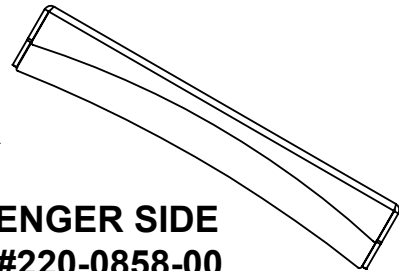


**PASSENGER SIDE
PART #220-0866-00**

2012+ FORD PI UTILITY

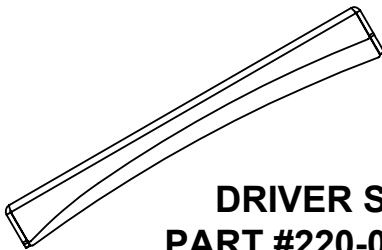


**DRIVER SIDE
PART #220-0858-00**

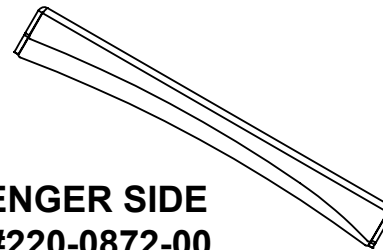


**PASSENGER SIDE
PART #220-0858-00**

2011+ DODGE CHARGER

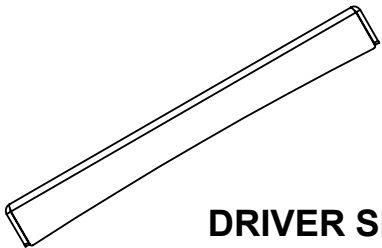


**DRIVER SIDE
PART #220-0870-00**

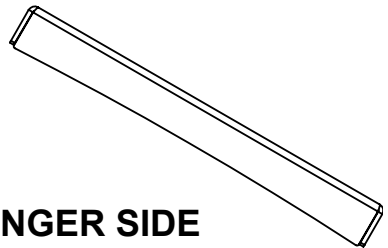


**PASSENGER SIDE
PART #220-0872-00**

2012+ FORD PI SEDAN

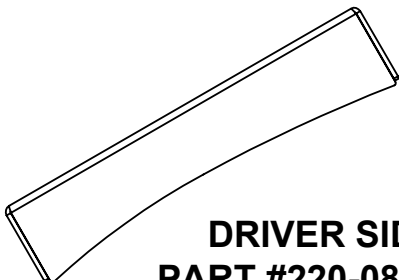


**DRIVER SIDE
PART #220-0874-00**

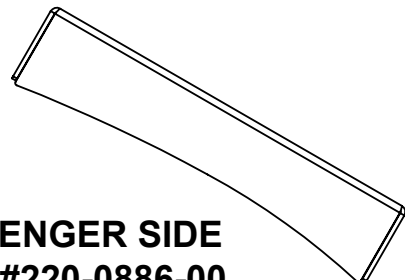


**PASSENGER SIDE
PART #220-0874-00**

**2015+ CHEVY TAHOE &
2011+ CHEVY CAPRICE**



**DRIVER SIDE
PART #220-0887-00**



**PASSENGER SIDE
PART #220-0886-00**

2005+ CHEVY IMPALA

Installation & Mounting: 2012+ Ford PI Utility

Step-1. Refer to the Ford PI Utility Service Manual for removal and disassembly of the side view mirrors. Remove the side view mirrors from the vehicle, pull the bottom covers out of each of the PI Utility's mirror housings, remove the mirrors and the inner mirror covers from the mirror assemblies (See Figure 1). **Note: The mounting brackets for the XT4, Mega Thin, MR6, & M180 on the front of the Ford PI Utility Side View Mirrors are Passenger & Driver Side Specific. The illustrations going forward show the M180 Light Head driver side assembly but the passenger side mounting process is the same.**

Step-2. Locate the driver side mounting bracket on the driver side mirror housing & measure 1" (1.000) from the interior side edge of the mirror housing (See Figure 2). Make sure the bottom edge of the mirror bracket is at the lower edge of the upper cover of the mirror housing as shown in Figure 2. Using the mounting bracket as a template, mark the mounting hole & center cable hole locations for the light head you are installing on the mirror housing with an ice pick. Be very careful to hold the ice pick straight & perpendicular to the face of the mounting bracket so the marks are in the correct location. Study the inside of the mirror assembly to familiarize yourself with the internal wiring & components before drilling any holes to avoid damaging the mirror's internal components.

Step-3. Drill (2) 7/64" (.109)" diameter holes through each of the plastic mirror housings at the smaller hole locations for the mounting screws & drill (1) 9/32" (.281)" diameter hole in each mirror housing at the larger center hole location for the cable. When you drill the holes in most cases you will be drilling through two layers of plastic & into the interior of the mirror housing. After drilling the cable hole straight through, angle the drill toward the interior side of the mirror assembly as shown in Figure 3 on page 5 & run the drill back in to create a better path for the light head cable.

Step-4. Twist the light head cable wires as shown in Figure 4 on page 5 to aid in routing the cable. Feed the light head cable through the center hole in the gasket, mounting bracket & finally through the hole in the mirror housing (See Figure 5 on page 5). It is helpful to angle the cable toward the interior side of the housing so it can follow the same route as the vehicle's mirror control wires.

Step-5. Make sure the Puddle Light LEDs are oriented correctly (See Figure 5 on page 5). Pull the slack out of the light head cable, align the bracket on the mirror housing & fasten the light head bracket to the vehicle's mirror housing using the black plastic bezel included with the light head & (2) of the supplied #6 X 1 1/2" long sheet metal screws (See Figure 6 on page 5). **Note: Tighten the screws just enough to pull the bracket up against the plastic mirror housing! Do not over tighten the screws as they could strip out the plastic!**

Step-6. The light head cable is a little short to reach all the way through to the interior of the vehicle so it is recommended that you route customer supplied wiring from the desired vehicle power source following the vehicles mirror control wire route to inside the the mirror housing & make the light head wire connections inside the mirror housing. **Note: It is recommended that you cut the wires off as short as possible to make sure excess wiring & wiring connectors will not interfere with the movement of the mirror & motor. Reassemble the mirror, carefully relocate the mirror back into position & refasten the mirror to the vehicle.**



Figure-1



Figure-2

Installation & Mounting Cont: 2012+ PI Utility



Figure-3



Figure-4



Figure-5

NOTE: 3 PUDDLE LEDS



Figure-6

Installation & Mounting: 2011+ Dodge Charger

Step-1. Refer to the Dodge Charger Service Manual to remove the side mirrors from the vehicle. Pull the mirror control wire grommet out of each of the charger's die cast mirror mounting brackets (See Figure 1 Page 6). Refer to the Dodge Charger Service Manual to remove the mirrors from the mirror assemblies. **Note: The mounting brackets for the XT4, Mega Thin, MR6, & M180 on the front of the Dodge Charger Side View Mirrors are not Passenger & Driver Side Specific so the same bracket will fit on either side. The illustrations going forward show the M180 Light Head-driver side assembly but the passenger side mounting process is the same.**

Step-2. Locate mounting bracket on the mirror housing & measure from the interior side edge of the mirror housing $1\frac{5}{8}$ " (1.625) as shown in Figure 2 on Page 6. Make sure the bottom edge of the mirror bracket is resting in the fillet of the style line of the mirror housing (See Figure 3 on page 6). Using the mounting bracket as a template, mark the mounting hole & center cable hole locations for the light head you are installing on the mirror housing with an ice pick. Be very careful to hold the ice pick straight & perpendicular to the face of the mounting bracket so the marks are in the correct location. Study the inside of the mirror assembly to familiarize yourself with the internal wiring & components before drilling any holes to avoid damaging the mirror's internal components.

Step-3. Drill (2) $\frac{7}{64}$ " (.109)" diameter holes through each of the plastic mirror housings at the smaller hole locations for the mounting screws & drill (1) $\frac{9}{32}$ " (.281)" diameter hole in each mirror housing at the larger center hole location for the cable. When you drill the holes in most cases you will be drilling through two layers of plastic & into the interior of the mirror housing.

Step-4. Refer to the Dodge Charger Service Manual to remove the outer mirror cover from the mirror housing. Twist the light head cable wires as shown in Figure 4 on page 6 to aid in routing the cable. Feed the light head cable through the center hole in the gasket, mounting bracket & finally through the drilled hole in the mirror cover (See Figure 5 on page 6). Feed the light head cable through the drilled hole in the main mirror housing & route it into the tunnel where the mirror control wires are routed (See Figure 6 on page 6). Route the light head cable through the tunnel in the mirror housing & out the hole in the mirror's die cast bracket (See Figure 7 on page 7). Snap the cover back into it's original position & pull the slack out of the cable. Position the bracket & light head up against the mirror housing with the widest curved flange toward the bottom of the mirror (The Downward Side).

Installation & Mounting Cont: 2011+ Dodge Charger

Step-5. Make sure the Puddle Light LEDs are oriented correctly (See Figure 8 on page 7). Align the bracket on the mirror housing & fasten the light head brackets to the vehicle's mirror housings using the black plastic bezel included with the light head and (2) of the supplied #6 X 1 1/2" long sheet metal screws. **Note: Tighten the screws just enough to pull the bracket up against the plastic mirror housing! Do not over tighten the screws as they could strip out the plastic!**

Step-6. Cut a hole in the vehicle's grommet & feed the light head cable through the hole. Pull all the slack out of the light head cable & push the grommet back into the hole in the vehicle's die cast mounting bracket. Carefully relocate the mirror back into position in the vehicle & refasten the mirror to the vehicle. Route customer supplied wires to connect to the light head wires, & connect to the desired vehicle power source.



Figure-1



Figure-2

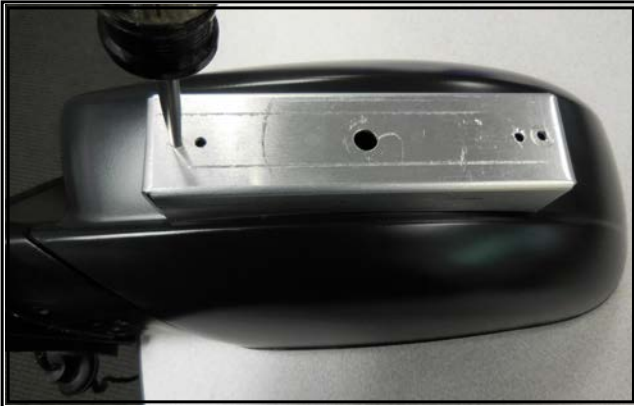


Figure-3



Figure-4



Figure-5



Figure-6

Installation & Mounting Cont: 2011+ Dodge Charger

NOTE: 3 PUDDLE LEDs

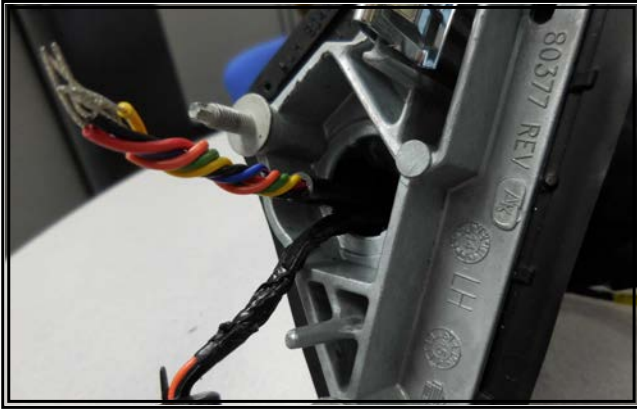


Figure-7



Figure-8

Installation & Mounting: 2012+ Ford PI Sedan

Step-1. Refer to the Ford PI Sedan Service Manual for removal & disassembly of the side view mirrors. Remove the side view mirrors from the vehicle, pull the bottom covers out of each of the PI Sedan's mirror housings, & remove the mirrors from the mirror assemblies (See Figure 1 on page 8). **Note: The mounting brackets for the XT4, Mega Thin, MR6, & M180 on the front of the Ford PI Sedan Side View Mirrors are Passenger & Driver Side Specific. The illustrations going forward show the M180 Light Head passenger side assembly but the driver side mounting process is the same.**

Step-2. Locate the passenger side mounting bracket on the passenger side mirror housing & measure 2 3/8" (2.375) from the interior side edge of the mirror housing (See Figure 2 on page 8). Make sure the bottom edge of the mirror bracket is at the lower edge of the upper cover of the mirror housing as shown in Figure 2. Using the mounting bracket as a template, mark the mounting hole & center cable hole locations for the light head you are installing on the mirror housing with an ice pick. Be very careful to hold the ice pick straight & perpendicular to the face of the mounting bracket so the marks are in the correct location. Study the inside of the mirror assembly to familiarize yourself with the internal wiring & components before drilling any holes to avoid damaging the mirror's internal components.

Step-3. Drill (2) 7/64" (.109)" diameter holes through each of the plastic mirror housings at the smaller hole locations for the mounting screws & drill (1) 9/32" (.281)" diameter hole in each mirror housing at the larger center hole location for the cable. When you drill the holes in most cases you will be drilling through two layers of plastic & into the interior of the mirror housing. After drilling the cable hole straight through, angle the drill toward the interior side of the mirror assembly as shown in Figure 3 on page 8 & run the drill back in to create a better path for the light head cable.

Step-4. Twist the light head cable wires as shown in Figure 4 on page 8 to aid in routing the cable. Feed the light head cable through the center hole in the gasket, the mounting bracket & finally through the hole in the mirror housing (See Figure 5 on page 8). It is helpful to angle the cable toward the interior side of the housing so it can follow the same route as the vehicle's mirror control wires.

Step-5. Make sure the Puddle Light LEDs are oriented correctly and the widest curved flange is toward the bottom of the mirror housing (The downward Side See Figure 5 on page 8). Pull the slack out of the light head cable, align the bracket on the mirror housing & fasten the light head bracket to the vehicle's mirror housing using the black plastic bezel included with the light head & (2) of the supplied #6 X 1 1/2" long sheet metal screws (See Figure 6 on page 8). **Note: Tighten the screws just enough to pull the bracket up against the plastic mirror housing! Do not over tighten the screws as they could strip out the plastic!**

Step-6. The light head cable is a little short to reach all the way through to the interior of the vehicle so it is recommended that you route customer supplied wiring from the desired vehicle power source following the vehicles mirror control wire route to inside the the mirror housing & make the light head wire connections inside the mirror housing. **Note: It is recommended that you cut the wires off as short as possible to make sure excess wiring & wiring connectors will not interfere with the movement of the mirror & motor. Reassemble the mirror, carefully relocate the mirror back into position & refasten the mirror to the vehicle.**

Installation & Mounting Cont: 2012+ Ford PI Sedan



Figure-1



Figure-2



Figure-3



Figure-4



Figure-5

NOTE: 3 PUDDLE LEDS



Figure-6

Installation and Mounting: 2015+ Chevy Tahoe

Step-1. Refer to the 2015+ Chevy Tahoe Service Manual for removal & disassembly of the side view mirrors. Remove the side view mirrors from the vehicle, pull the bottom covers out of each of the Chevy Tahoe's mirror housings, & remove the mirrors from the mirror assemblies (See Figure 1 on page 9). This will enable you to see the internal components of the mirror during installation. **Note: The mounting brackets for the XT4, Mega Thin, MR6, & M180 on the front of the Chevy Tahoe Side View Mirrors are not Passenger & Driver Side Specific so the same bracket will fit on either side. The illustrations going forward show the M180 driver side assembly but the passenger side mounting process is the same.**

Step-2. Locate the driver side mounting bracket on the driver side mirror housing & measure 1" (1.000) from the interior side edge of the mirror housing (See Figure 2 on page 9). Make sure the bottom edge of the mirror bracket is at the lower edge of the upper cover of the mirror housing as shown in Figure 2. Using the mounting bracket as a template, mark the mounting hole & center cable hole locations for the light head you are installing on the mirror housing with an ice pick. Be very careful to hold the ice pick straight & perpendicular to the face of the mounting bracket so the marks are in the correct location. Study the inside of the mirror assembly to familiarize yourself with the internal wiring & components before drilling any holes to avoid damaging the mirror's internal components.

Installation & Mounting Cont: 2015+ Chevy Tahoe

Step-3. Drill (2) 7/64" (.109)" diameter holes through each of the plastic mirror housings at the smaller hole locations for the mounting screws & drill (1) 9/32" (.281)" diameter hole in each mirror housing at the larger center hole location for the cable. When you drill the holes in most cases you will be drilling through two layers of plastic & into the interior of the mirror housing. Refer to the 2015+ Chevy Tahoe Service Manual to remove the upper outer mirror covers. Using a round file or the 9/32" (.281) drill cut a notch for the light head cable in the interior portion of the mirror housing as shown in Figure 3.

Step-4. Twist the light head cable wires as shown in Figure 4 to aid in routing the cable. Feed the light head cable through the center hole in the gasket, the mounting bracket & finally through the hole in the upper outer mirror cover (See Figure 5 on page 10). Feed the twisted end of the cable through the tunnel in the mirror housing where the mirror control wires are routed (See Figure 6 on page 10). As you pull the slack out of the cable & position the upper outer mirror cover back into its original location, ensure that the cable is resting in the notch you cut in step 3 (See Figure 7 on page 10). Snap the cover & installed light head back into position on the mirror housing (See Figure 8 on page 10).

Step-5. Make sure the Puddle Light LEDs are oriented facing down & the curved bracket flange is facing up on the mirror housing (See Figure 8 on page 10). Pull any remaining slack out of the light head cable, align the bracket on the mirror housing & fasten the light head & bracket to the vehicle's mirror housing using the black plastic bezel & (2) of the supplied #6 X 1" long sheet metal screws included with the light head (See Figure 9 on page 10). **Note: Tighten the screws just enough to pull the bracket up against the plastic mirror housing! Do not over tighten the screws as they could strip out the plastic!**

Step-6. The light head cable is too short to reach all the way through to the interior of the vehicle so it is recommended that you route customer supplied wiring from the desired vehicle power source following the vehicles mirror control wire route to inside the the mirror housing & make the light head wire connections inside the mirror housing in the pocket shown in Figure 10 on page 10. After completing the connections, reassemble the mirror, carefully relocate the mirror back into position & refasten the mirror to the vehicle.



Figure-1



Figure-2

NOTE: CUT NOTCH HERE FOR CABLE CLEARANCE

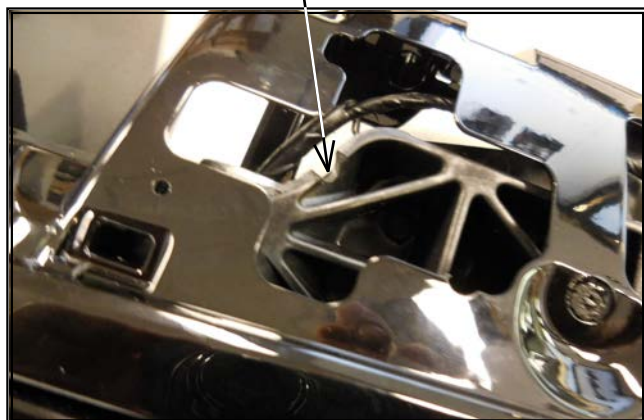


Figure-3

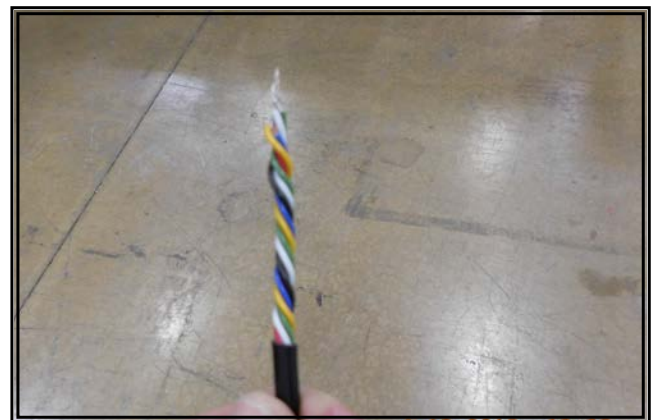


Figure-4

Installation & Mounting Cont: 2015+ Chevy Tahoe



Figure-5



Figure-6

NOTE: 3 PUDDLE LEDS

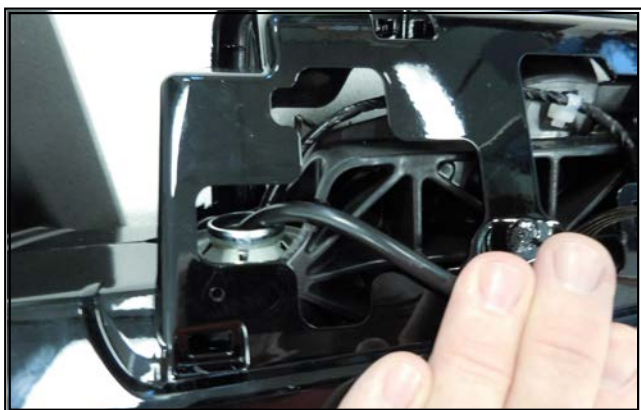


Figure-7

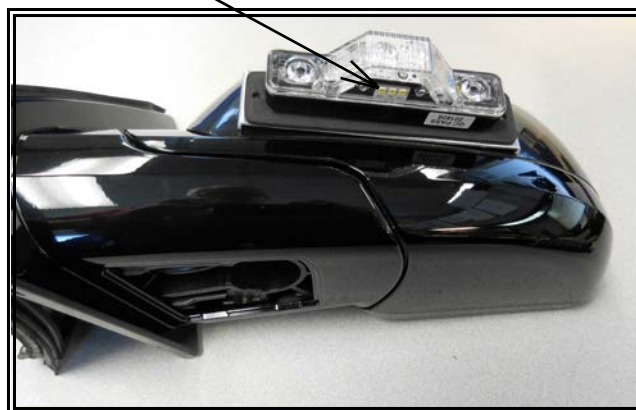


Figure-8



Figure-9



Figure-10

NOTE: MAKE WIRING CONNECTIONS IN THIS POCKET.

Installation & Mounting: 2011+ Chevy Caprice

Step-1. Refer to the 2011+ Chevy Caprice Service Manual for removal & disassembly of the side view mirrors. Remove the side view mirrors from the vehicle, & remove the mirrors from the mirror assemblies. This will enable you to see the internal components of the mirror during installation. **Note: The mounting brackets for the XT4, Mega Thin, MR6, & M180 on the front of the Chevy Caprice Side View Mirrors are are not Passenger & Driver Side Specific so the same bracket will fit on either side. The illustrations going forward show the M180 Light Head driver side assembly but the passenger side mounting process is the same. The brackets for the Caprice are the same brackets as the 2015+ Chevy Tahoe.**

Step-2. Locate the driver side mounting bracket on the driver side mirror housing & measure 3/4" (0.750) from the interior side edge of the mirror housing (See Figure 1 on page 12). Make sure the bottom edge of the mirror bracket is at the lower edge of the upper cover of the mirror housing as shown in Figure 1. Using the mounting bracket as a template, mark the mounting hole & center cable hole locations for the light head you are installing on the mirror housing with an ice pick. Be very careful to hold the ice pick straight & perpendicular to the face of the mounting bracket so the marks are in the correct location. Study the inside of the mirror assembly to familiarize yourself with the internal wiring & components before drilling any holes to avoid damaging the mirror's internal components.

Step-3. Drill (2) 7/64" (.109)" diameter holes through each of the plastic mirror housings at the smaller hole locations for the mounting screws & drill (1) 9/32" (.281)" diameter hole in each mirror housing at the larger center hole location for the cable. Refer to the 2011+ Chevy Caprice Service Manual to remove the upper outer mirror covers.

Step-4. Feed the light head cable through the center hole in the gasket, the mounting bracket & finally through the hole in the upper outer mirror cover (See Figure 2 on page 12). Remove the triangular mirror seal from the mirror. Feed customer supplied wires through the tunnel in the mirror housing as shown in figure 3 on page 12, then pull the cable through the mirror housing as shown in Figure 4 on page 12. Make sure you pull sufficient cable to reach to the point of connection to the desired vehicle's power source following the same route through the vehicle as the vehicle's mirror control wires. Feed the light head cable through the large opening in the mirror housing (See Figure 5 on page 12). Snap the cover & installed light head back into position on the mirror housing (See Figure 6 on page 12).

Step-5. Make sure the Puddle Light LEDs are oriented facing down & the curved flange on the bracket is facing up as oriented to the mirror housing (See Figure 6 on page 12). Align the bracket on the mirror housing & fasten the light head & bracket to the vehicle's mirror housing using the black plastic bezel & (2) of the supplied #6 X 1" long sheet metal screws included with the light head (See Figure 7 on page 12). **Note: Tighten the screws just enough to pull the bracket up against the plastic mirror housing! Do not over tighten the screws as they could strip out the plastic!**

Step-6. Cut off the the light head wire as desired to avoid excess wiring, strip back the light head wires and the customer supplied wires. Connect the wires as desired in the area of the mirror housing shown in Figure 8 on page 12. Make sure steps are taken to ensure the wires will not interfere with the function of the mirror after the installation. After completing the connections, reassemble the mirror, carefully relocate the mirror assembly back into position & refasten the mirror to the vehicle.

Installation & Mounting Cont: 2015+ Chevy Caprice



Figure-1



Figure-2



Figure-3



Figure-4

NOTE: 3 PUDDLE LEDS



Figure-5



Figure-6



Figure-7



Figure-8

Installation & Mounting: 2015+ Ford F150

Step-1. Refer to the Ford F150 Service Manual for removal & disassembly of the side view mirrors. Remove the side view mirrors from the vehicle. Pull the bottom covers out of each of the Ford F150 's mirror housings, remove the mirrors, remove the outer mirror covers from the mirror assemblies & remove the large triangular mirror seal from the mirror housings. **Note: The mounting of the XT4, Mega Thin, MR6, & M180 light heads on the front of the Ford F150 side view mirror does not require mounting brackets. Also the illustrations going forward show the M180 Light Head mounting on the driver side assembly but the passenger side mounting process is the same.**

Step-2. Locate the light head gasket for the light head type you are installing on the mirror housings & use the gasket as a template to mark the mounting holes & the cable hole (The M180 light head gasket is shown). Make sure the edge of the gasket lines up with the edge of the front outer mirror cover as shown in Figure 1. Mark the mounting holes & center cable hole locations on the mirror housings with an ice pick or scratch awl by pressing the point into the plastic housing at each location. This will provide drill points to prevent the drill walking off of location while you drill the holes.

Step-3. Drill (2) 7/64" (.109)" diameter holes through each of the plastic mirror housings at the smaller hole locations for the mounting screws & drill (1) 9/32" (.281)" diameter hole in each mirror housing at the larger center hole location for the cable. **Note: For Mega Thin Light Heads drill a 3/4" (.750) diameter hole for the cable.** You will be drilling through two layers of plastic.

Step-4. Feed the light head cable through the center hole in the gasket & through the hole in the mirror housing. Position the light head up against the face of the mirror cover & make sure the Puddle Light LEDs are oriented correctly on the housing (See Figure 2).

Step-5. Fasten the light head to the vehicle's mirror housing using the black plastic bezel & (2) of the supplied #6 X 1" long sheet metal screws (Again see Figure 2). **Note: Tighten the screws just enough to pull the bracket up against the plastic mirror housing! Do not over tighten the screws as they could strip out the plastic!**

Step-6. Remove the gray foam block wiring seal (See Figure 3 on page14). Feed customer supplied cable through the hole where the gray foam block wiring seal was as shown in Figure 4 on page14. Feed customer supplied cable through the wiring tunnel following the same path as the vehicle's mirror control wire as shown in Figure 5 on page 14. Pull the customer supplied cable through the tunnel & route the cable following the vehicle's mirror control wire path as shown in Figure 6 on page 14. Complete the light head wire connections in the wiring connection pocket shown inside the mirror housing (See wiring connections note in Figure 6 on page 14).

Step-7. Pull out any excess slack in the wiring & zip tie the wires & wire connections to the vehicle's mirror control wire hold down tab (See note in Figure 6 on page 14).

Step-7. Reposition the front mirror cover back onto the main mirror housing & reattach the cover to the housing. Adjoin the customer cable to the mirror control wires & replace the gray foam block. Reassemble the mirror, Route the customer supplied cable to the desired power source on the vehicle. While pulling the slack out of the customer supplied cable carefully relocate the mirror back into position in the vehicle & refasten the mirror to the vehicle.



Figure-1

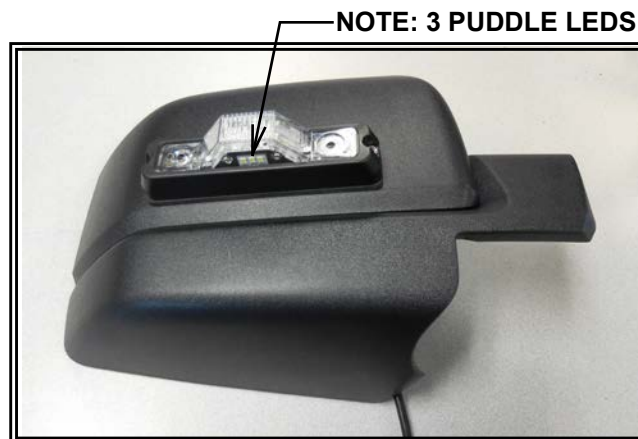


Figure-2

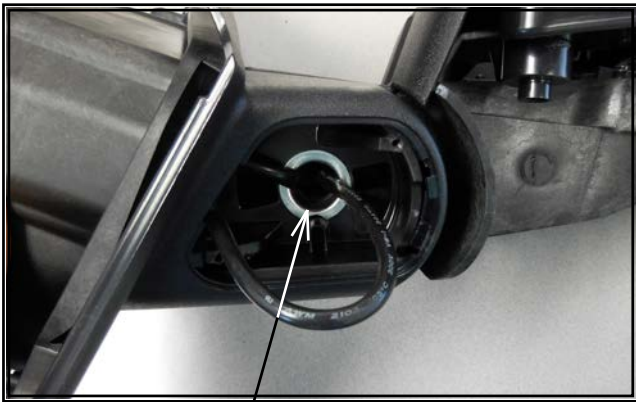
Installation & Mounting Cont: 2015+ Ford F150



Figure-3



Figure-4



WIRING TUNNEL. **Figure-5**



MAKE WIRING CONNECTIONS IN THIS POCKET.

Figure-6 **ZIP TIE WIRING CONNECTIONS TO THIS WIRING RETENTION TAB.**

Installation & Mounting: 2005 To Present Impala

Step-1. Refer to the Impala Service Manual to remove the side mirrors from the vehicle. Remove the triangular mirror seal & pull back the gray foam seal around the vehicle's mirror control wires (See Figure 1). **Note: The mounting brackets for the XT4, Mega Thin, MR6, & M180 on the front of the Impala Side View Mirrors are Passenger & Driver Side Specific. The illustrations going forward show the M180 driver side assembly but the passenger side mounting process is the same.**

Step-2. Locate the Passenger & Driver Side Specific Bracket on the appropriate mirror housing as shown in Figure 2. It may be necessary to move the bracket left to right until you achieve the best fit where there are minimal gaps between the curved shape on the top of the mounting bracket & the curve of the mirror housing. Using the mounting bracket as a template, mark the mounting hole & center cable hole locations for the light head you are installing on the mirror housing with an ice pick. Be very careful to hold the ice pick straight & perpendicular to the face of the mounting bracket so the marks are in the correct location. Study the inside of the mirror assembly to familiarize yourself with the internal wiring & components before drilling any holes to avoid damaging the mirror's internal components.

Step-3. Drill (2) 7/64" (.109)" diameter holes through each of the plastic mirror housings at the smaller hole locations for the mounting screws & drill (1) 9/32" (.281)" diameter hole in each mirror housing at the larger center hole location for the cable. Drill all the way through into the interior of the mirror housing so the cable can be fed through the hole.

Step-4. Twist the light head cable wires as shown in Figure 3 to aid in routing the cable. Feed the light head cable through the center hole in the gasket, mounting bracket & finally through the hole in the mirror housing. The light head cable will follow the route of the mirror control wiring once it is inside the mirror. Make sure the light head cable routes so it will not interfere with the function of the mirror motor or the mirror. Pull all of the slack out of the cable.

Step-5. Make sure the Puddle Light LEDs are oriented correctly (See Figure 4). Align the bracket on the mirror housing & fasten the light head & bracket to the vehicle's mirror housings using the black plastic bezel included with the light head & (2) of the supplied #6 X 1 1/2" long sheet metal screws. **Note: Tighten the screws just enough to pull the bracket up against the plastic mirror housing! Do not over tighten the screws as they could strip out the plastic!**

Step-6. Route the light head & mirror control wires together. Reposition the vehicle's gray foam wiring seal back into it's original position surrounding both wires & replace the triangular mirror seal. Carefully relocate the mirror back into position in the vehicle & refasten the mirror to the vehicle. Route customer supplied wires to connect to the light head wires, & connect to the desired vehicle power source.

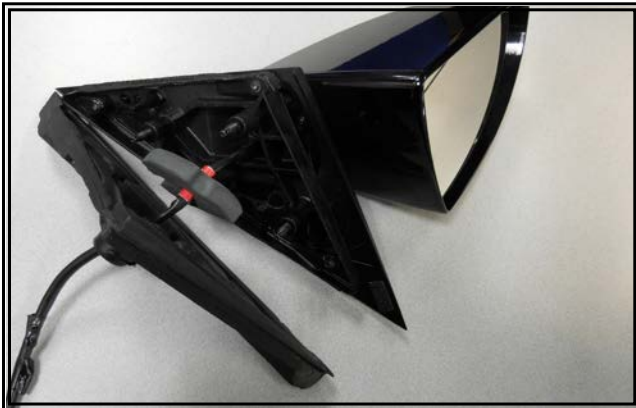


Figure-1



Figure-2

NOTE: 3 PUDDLE LEDS



Figure-3

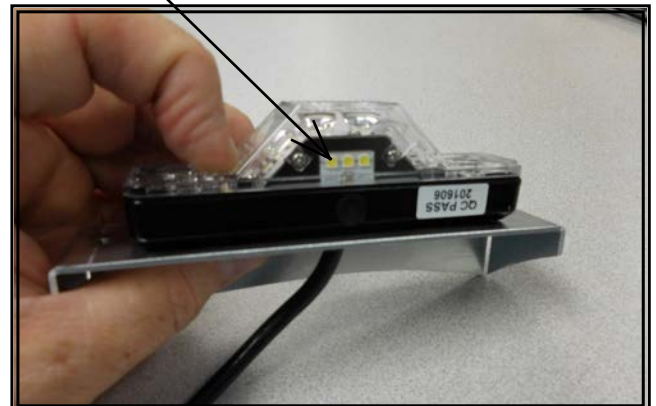


Figure-4

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If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3®, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

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