



Tech Tip – Ford E-Series HD Right Front Mirror Bracket

Tech Tip #18-0926



Eliminate Excessive R.H. Rearview Mirror Vibration Ford E-Series Units 2008 to Present

There have been complaints concerning vibration from the right hand rearview mirror.

Micro Bird has worked with Rosco to develop a stronger mirror base for the product to help stabilize the movement of the mirror.

The new bracket has an added brace which utilizes the radiator support as well as the fender for mounting. This can be seen in Figure #1 as the red section indicated as #1.

Figure #2 shows the current design and Figure #3 shows the updated design. Attached are instructions for changing the bracket.

Bracket is purchased and generally if replaced existing hardware can be used, but if needed the hardware “kit” can be purchased separately. Please see Figure #4

PLEASE NOTE: THIS IS THE STANDARD BRACKET FOR MICROBIRD AND HAS BEEN IN PRODUCTION SINCE JUNE 25, 2018.

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Bracket Part #ASY3137 Hardware Kit #SCR7095

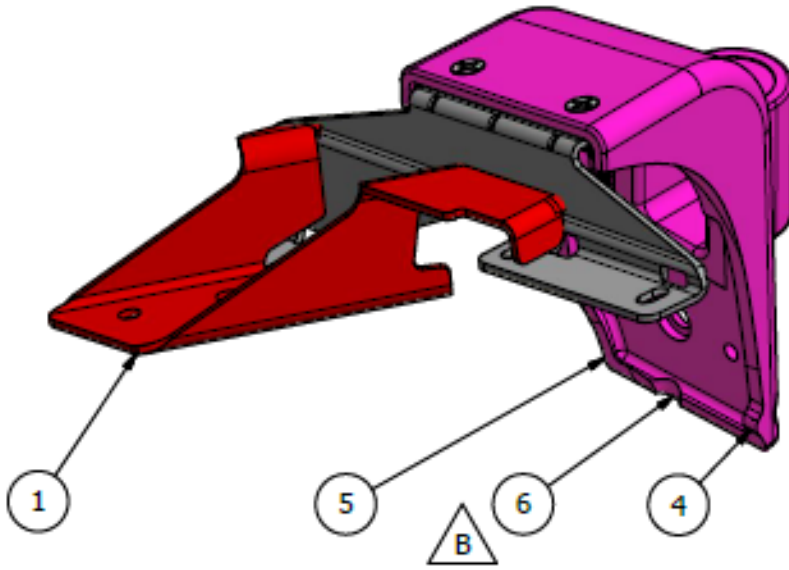


Figure #1



Figure #2



Figure #3

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Rosco Heavy Duty Ford Fender “Z-Bracket” Mount Installation Instructions

Ford ’08 (& newer) E-Series Van Chassis – Passenger Side Mirror System

Mounting hardware provided: 1 x 3-1/2” long self drilling Phillips head sheet metal screw, 1 x ¼”-20 x 4” long Phillips head machine screw, 1 x ¼”-20 jam lock nut, 1 x 2-1/4” flared tube, 1 x 2-1/2” flared tube, 2 x ¼-20 x 3/4” long hex head screws, 2 x ¼-20 Plus Nuts

1. Required tools: tool to operate socket, 7/16” box wrench, 8mm socket, drill, 5/32”, 3/8”, 9/32” and 1/2” drill bits, #2 Phillips bit, marking pen or pencil, tape measure.
2. Identify Ford chassis to be ’08 or newer, and identify passenger side front fender.
3. Open hood, and on passenger side, identify two hex head screws along hood/fender line closest to front grill, as shown in Illustration A.
4. Remove left end of plastic cover as shown in Illustration C.
5. Remove the two screws and insert Rosco Z-Bracket mount assembly (do not disassemble Rosco Z-Bracket mount from mirror arm mounting base).
6. Re-install the two hex head screws through Z-Bracket and loosely tighten.
7. Push down on the top/side of the mount until it makes close contact with the side of the fender. With pen/pencil, mark two lower holes at bottom of mirror arm mounting base into side of quarter panel. These are the two ¼” diameter holes that are predrilled in the mirror arm mounting base. Also, mark two holes on under hood frame where inner bracket of Rosco Z-Bracket mount sits on vehicle frame. See Illustration D. If the mirror is heated or is remote control, also mark the third (1/2” diameter) predrilled harness hole. All hole markings should be centered.
8. Remove complete Z-Bracket assembly.
9. Using the 5/32” drill bit, pilot drill the front and rear bottom holes, and inner frame holes, to a 1-1/2” depth. If the mirror is heated or is remote control, also drill a 5/32” hole at the third marking. CAUTION – it is important to drill no deeper than 1-1/2” to avoid damage to engine compartment equipment.
10. a. Using the 9/32” drill bit, drill left hand (rear) hole to 3-1/2” depth, as in Step 9, being careful to avoid damage to engine compartment equipment.

b. Using the 3/8” drill bit to 1-1/2” length, enlarge both outer fender holes created by step 9. Also using the 3/8” drill bit, enlarge both marked holes under the hood, as shown in Illustration D. If the mirror is heated or is remote control, drill the third marked hole for the wire harness, using the 1/2” drill bit. NOTE – the front 3/8” drilled hole will penetrate the outer fender as well as an intermediate “middle” fender wall – this is necessary to accommodate the flared tube. Do not insert 3/8” bit more than 1-1/2” beyond the outer fender on either hole.
11. **THERE ARE TWO DIFFERENT LENGTH FLARED SPACER TUBES.** Insert the shorter, 2-1/4” flared tube into the front hole (3/8” diameter) closest to the front grill of the vehicle (the tube should

penetrate the outer fender skin, and the middle intermediate fender wall, but not the inside fender wall closest to the engine). Insert the longer, 2-1/2" flared tube into the rear hole (3/8" diameter) closest to the rear of the vehicle. See Illustration B. It is normal and required for the flared end of each tube to sit off the outer fender skin by 1/4" to 3/8". This is necessary to make direct contact with the recessed inner face of the contoured casting/mount.

12. Install two Plus Nuts into 3/8 diameter drilled holes in inner frame as shown in Illustration E
13. Re-install the Z-Bracket assembly. Prior to tightening the top two hex head screws, it is important to situate each screw deeply into the Z-Bracket for the screw head to sit properly in the void provided. Tighten the two hex head screws. Install and tighten two 1/4-20 x .3/4" hex head screws into inner frame. See Illustration F.
14. Place the lock washers on, and insert the bottom two Phillips head screws into the holes of the Z-Bracket assembly. Be sure to run the **front sheet metal screw** at an appropriate speed/pressure to penetrate the sheet metal of the inner fender. Be sure to **insert the rear machine screw** and install the jam lock nut on inside of hood compartment. Tighten down both fasteners.
15. If the mirror is heated or remote control, route the wire harness through the 1/2" diameter hole on the arm mounting base, and into the fender. Direct the harness through the fender as required.

Installation is complete.

**FAILURE TO FOLLOW ABOVE INSTALLATION INSTRUCTIONS WILL VOID
ROSCO FACTORY WARRANTY!**

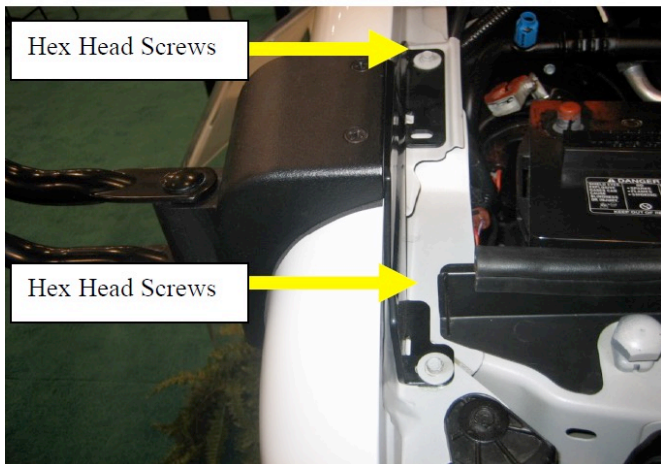


Illustration A



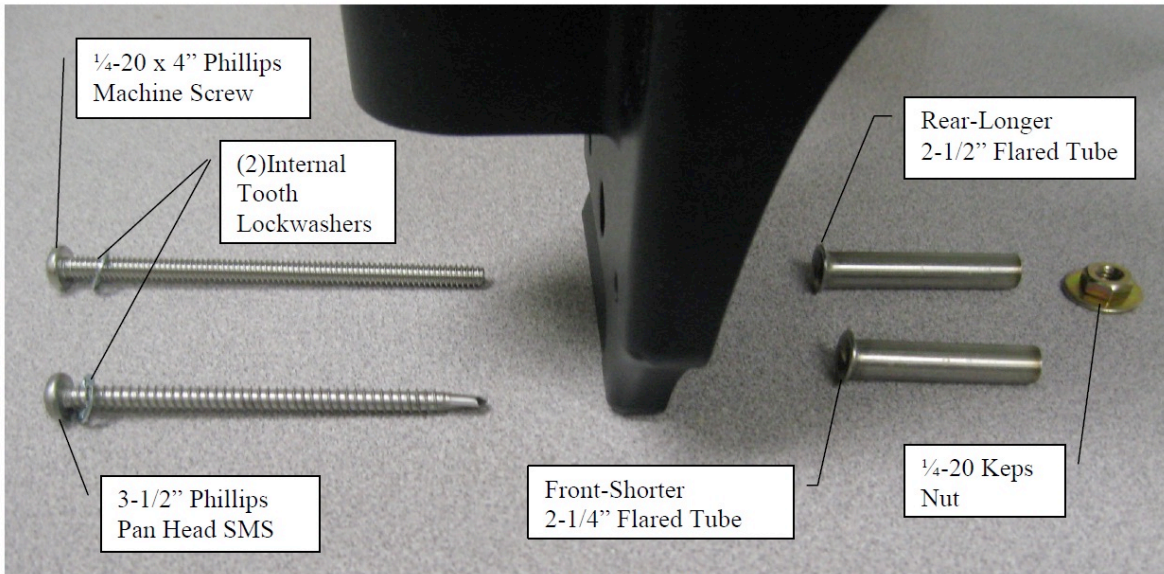


Illustration B

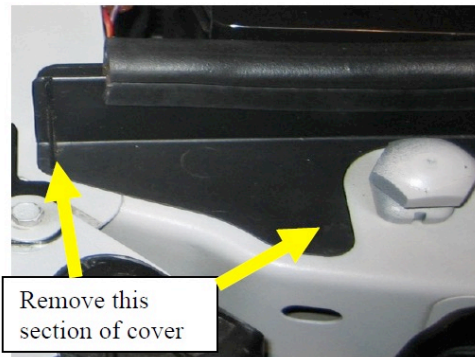


Illustration C

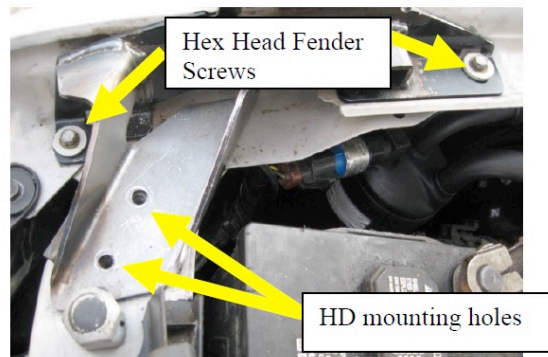


Illustration D

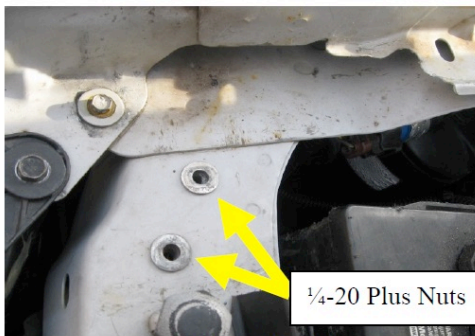


Illustration E

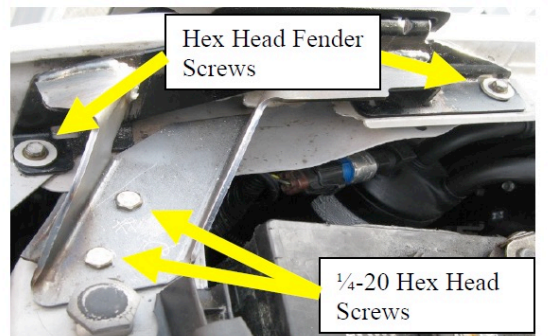
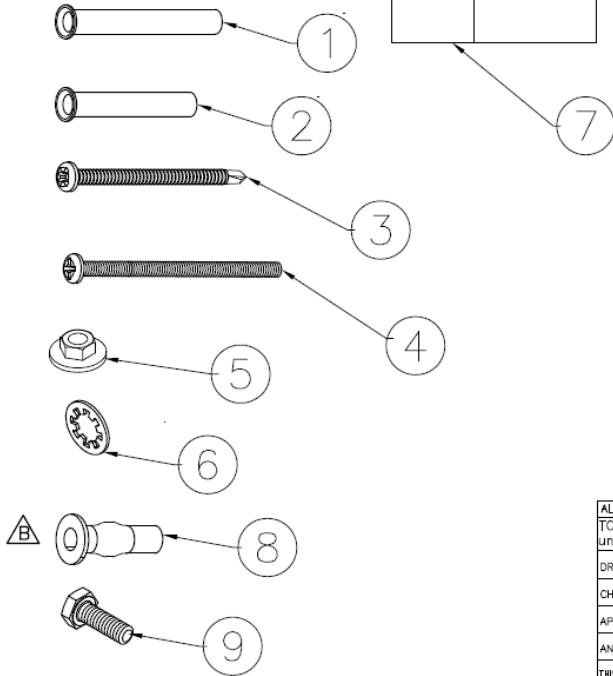


Illustration F

#	DESCRIPTION	DATE	APPROVED
ECO#5328	A NEW RELEASE	9/21/2011	BF
ECO#6697	B NUT9124 WAS NUT9109	12/12/2013	BF

INCLUDE A COPY OF
INS1137 IN EACH
BAG



△

10	1	BAG1027	PLASTIC BAG
9	2	SCR3002	1/4-20 X .75"
8	2	NUT9124	NUT
7	1	INS1137	INSTRUCTIONS
6	2	WAS1807	LOCK WASHER
5	1	NUT1814	KEPS NUT
4	1	SCR3069	PHILLIPS MS
3	1	SCR3529	PHILLIPS TEK
2	1	SMP1083	SPACER, 2.25"
1	1	SMP1084	SPACER, 2.5"
ITEM	QTY	NAME	NOTE

ALL DIMENSIONS IN INCHES
TOL. .XXX ±.005; .XX ±.03
unless otherwise specified
DRAWN 9/21/2011
CHECK J. SERER
APPR. BEN ENGLANDER
ANGULAR TOLERANCES: ±0.5°
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TEL. (718)526-2600

SCREW, KIT, MTG HARDWARE
08 FORD CONTOUR FENDER MTG., HEAVY DUTY

SIZE	DRAWN BY	DWG NO	REV
A	BF	SCR7095	B
SCALE	WEIGHT	SHEET	1

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