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Harley Davidson Freewheeler (2015+) Installation Instructions

Always check bolt length for tire clearance

This hitch is designed for a completely stock motorcycle. If the rear shocks, suspension, or tire have been adjusted/changed in any way, it is up to the customer to verify that there isn't any interference between the hitch and any part of the motorcycle.

We recommend that you use Loctite (blue) on all bolts so that they do not come loose during your ride.

Tools:	
7/16 Socket/Wrench	9/16 Socket
1/2 Socket/Wrench	Tamper Resistant Torx Bit (Included with hitch)

1. Unpack the hitch and verify that all parts and fasteners are present and free of defects.
2. (Optional) Install the mud flap/safety chain bracket (Item A) [Figure 1] using the 1/4 x 1" hex bolts (Item C), 1/4 flat washers (Item D), 1/4 lock washers (Item E), and 1/4 hex nuts (Item F).

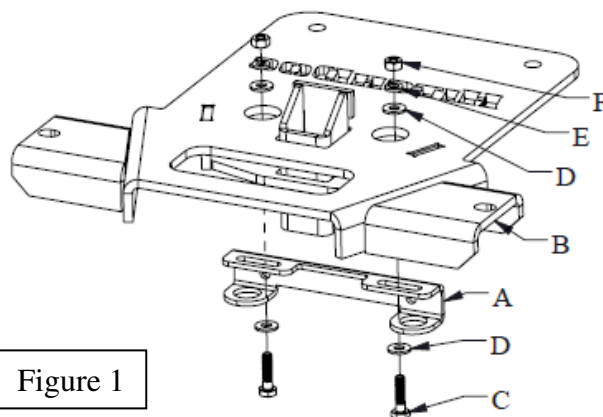


Figure 1

3. Insert one of the bolt mount plates (Item 1) [Page 3], with the threaded holes facing towards the rear of the bike, inside the middle cross member by sliding it into the slot of the cross member on the front side of the bike and align the two holes on the cross member with the two threaded holes on the bolt mount plate. See Figure 2.

For older models (2015-2019):

4. Remove the four bolts (two on each side) that hold the exhaust pipe brackets in place. Loosen the exhaust clamp and move the exhaust back and forth to loosen it enough so that a ratchet can be used to access the Torx head bolt that is next to the exhaust. Use the Torx bit that was included with the hitch to remove this bolt on each side. Re-attach the exhaust pipes to the exhaust mounts using the four bolts that were removed at the beginning of Step 3 and re-tighten the exhaust clamps.

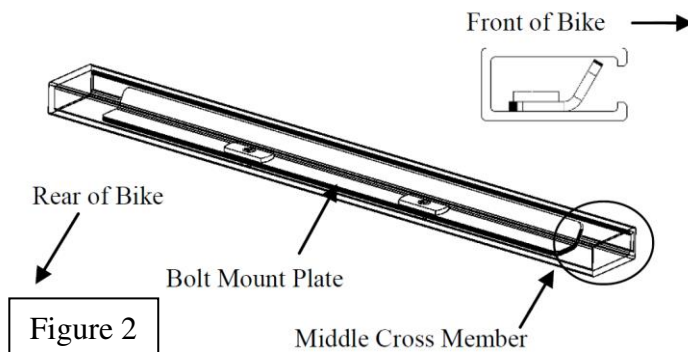


Figure 2

For newer models (2020+):

4. If the Torx bolts near the exhaust that is described above aren't present, insert the remaining bolt mount plate (Item 1) [**Page 3**], with the threaded holes facing towards the rear of the bike, inside the rear cross member by sliding it into the slots of the cross member on the front side of the bike and align the two holes on the cross member with the two threaded holes in the bolt mount plate as done in Step 3.
5. Start the "rattle bolt" (Item 12) in the threaded hole on the backside of the receiver channel as far as it will go loosely if it isn't already installed.
Note: This is not supposed to be a through hole. In a later step, the bolt will be tightened causing the "I" shaped plate on the backside of the receiver shaft to deform and apply pressure over a larger area of the receiver shaft than a bolt alone would to prevent the receiver from rattling when going down the road.
6. Insert the hitch (Item 2) in between the exhaust pipes by starting towards the front of the mufflers, angle the hitch towards one side and slide the hitch above the mufflers one side at a time. Slide the whole hitch assembly towards the rear of the bike keeping it above the mufflers.
7. Place a 3/8 lock washer (Item 15) and 3/8 flat washer (Item 16) on two of the 3/8 x 1-1/4" hex bolts (Item 18). Insert the bolts through the two holes in the hitch toward the front of the bike and thread into the mount strap that was installed in Step 3. Do not fully tighten.

For older models (2015-2019):

8. Place a 5/16 lock washer (Item 9) and 5/16 flat washer (Item 8) on both of the 5/16 x 1-1/4" hex bolts (Item 7). Insert the bolts through the outer slots in the welded-on ears, and thread into the holes in the frame where the Torx bolts were removed from in Step 4. Do not fully tighten.

For newer models (2020+):

8. Place the remaining two 3/8 lock washers and flat washers on the remaining two 3/8 bolts. Insert the bolts through the two holes in the hitch toward the rear of the bike and thread into the corresponding strap in the cross member that was placed in Step 4. Do not fully tighten.
9. Square the hitch up to the bike and then fully tighten all four bolts working in a crisscross pattern to keep it straight.
10. Insert the receiver (Item 13) into the hitch and secure in place using the hitch pin (Item 10) and hitch pin clip (Item 11).

For "rattle-free" riding, tighten the 3/8 x 3/4 in. "rattle bolt" on the back of your receiver assembly until the receiver does not come out of the hitch when the hitch pin is removed. Then back the bolt off approximately a half of a turn to allow the receiver to drop out. This removes any play in the receiver. **Do NOT overtighten!**

It is the operator's responsibility to periodically check all fasteners/mounting hardware to ensure none have come loose during use and to check for any signs of wear.

Thank you for purchasing a quality hitch made by HitchDoc, Mfg.

ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
1	H15238 500	2	BOLT MOUNT WLDMT, 17"
2	H15239U	1	HITCH WLDMT, FREEWHEELER
3	H17003	2	WASHER, 1/4" SPLIT-LOCK, ZN
4	H17004	2	NUT, 1/4"-20 HEX, ZN
5	H17008	4	WASHER, 1/4" FLAT USS, ZINC
6	H17019	2	BOLT, 1/4"-20 X 1 HEX, GR5 ZN
7	H17105	2	BOLT, 5/16-18UNCx1.25" HEX HD GR5 ZINC
8	H17109	2	WASHER, 5/16" FLAT
9	H17111	2	WASHER, 5/16" SPLIT-LOCK, ZN
10	H17890C	1	RECEIVER PIN, SHORT
11	H17899	1	HAIR PIN, 3/32" X 1-1/4, ZINC
12	H17903	1	BOLT, 3/8"-24 X 3/4 HEX, ZN (RATTLE BOLT)
13	H18115U	1	REC'R WLDMT, 13.36", 3.50" OFFSET
14	H19902	1	TOW HOOK/MUDFLAP BRACKET
15	HDW112	4	WASHER, 3/8" SPLIT-LOCK, ZN
16	HDW126	4	WASHER, 3/8" FLAT USS, ZN
17	HDW314	1	TAMPER RESISTANT TORX BIT
18	HDW417	4	BOLT, 3/8"-16 X 1-1/4 HEX, GR5 ZN

