



US PATENT # 8,235,419 B

Installation Manual Generation II Harley Retrofit Mount

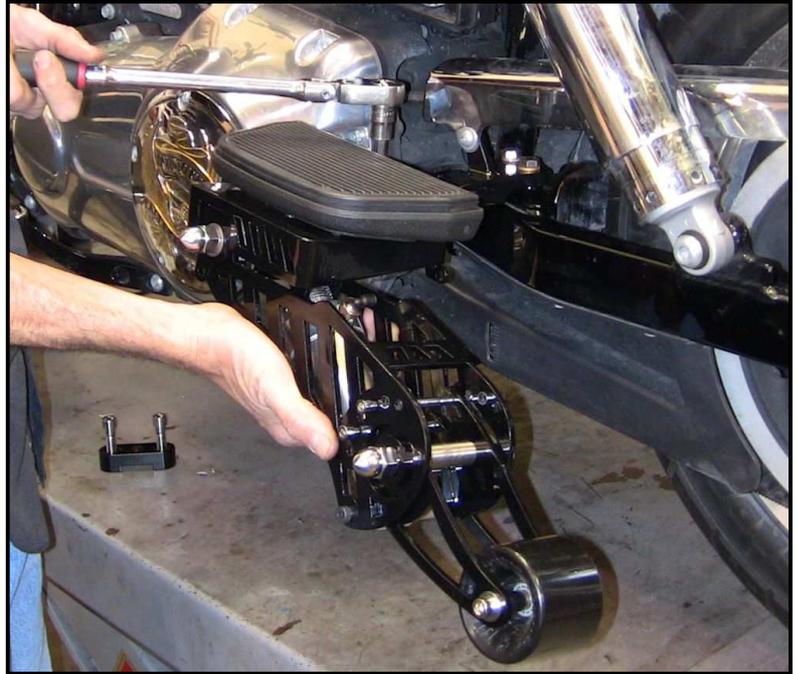
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RETROFIT MOUNT

This manual covers the installation of the Harley Retrofit Mount. This mount replaces the stock Harley floorboard mount with a stronger mount and allows you to install your older style LegUp system to this new mount.

The first step is to remove each leg individually. You should remove the air line from each cylinder before removing the assembly (*Press hose toward fitting, press plastic ring in same direction, then pull hose out. Don't force this or you will ruin the fitting!*)

Next we remove each of the two Allen bolts that clamp the Leg Assembly to the floorboard mounts, as seen here. The assembly is heavy so either get a helper to support or be prepared to support it yourself as it comes free!



The next task is to free the floorboard from the existing floorboard mount. This is much easier while the mount is on the bike.

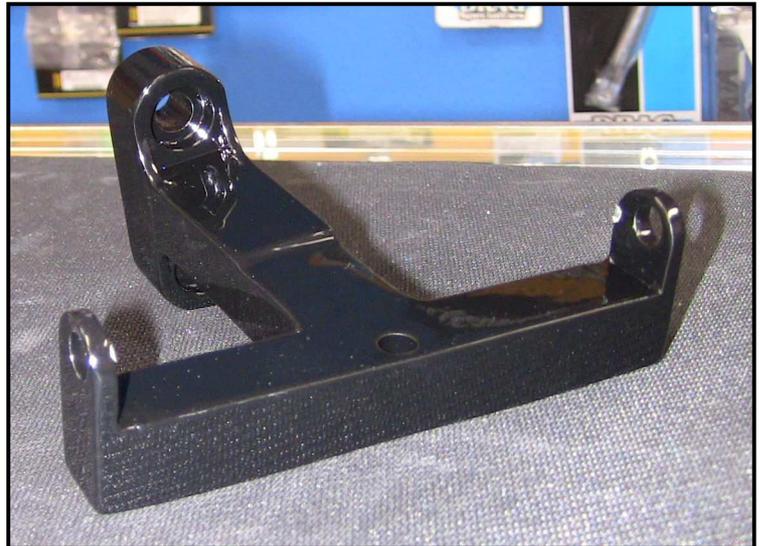
As shown at left, lift the inboard part of the floorboard cover, which exposes (2) pins, and soon a ball-bearing and a spring. The arrow shows Ben pushing one of the pins toward the center. Do this on both sides, but keep pressure downward on the board to maintain the ball-bearing and spring that is beneath it in the middle. Once this is done,

carefully raise the board off the mount, catching said spring setup, and set the board & hardware aside for installation later.

In order to mount the legs in place of the passenger floorboards/pegs, we must remove the existing rear floorboard or pegs mounts, whichever the bike is using. Depending on the year, the bike will have one or two Allen bolts holding the now exposed mount to the bike. Once these are removed, make sure the top and the 3rd hole from the top do **NOT** have any plastic plugs in them.

The next step is to attach the retrofit mount to the bike. The mount seen here is attached to the bike using (2) 3/8-16 X 1" Allen Bolts, in the top and the 3rd hole that were used to mount the old floorboard mounts.

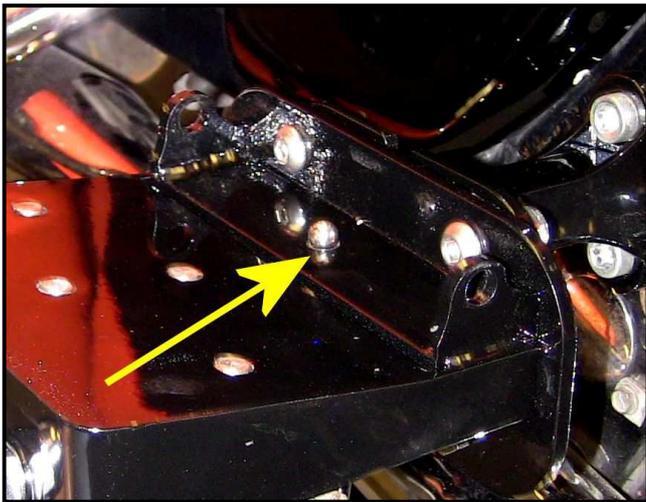
The mounts fit either side, so don't worry about putting the wrong one in place! Put a few drops of 'RED' Loctite on the threads of the provided bolts, and install the through the mount into the threads on the bike.



Once the mount is in place, we want to clamp the leg assembly to this new mount. It clamps just like they did to the Harley mounts.

Depending on the year of your bike, you may have gotten new clamp parts, or you will re-use the old ones. Again a bit of Loctite (Blue in this case), on the threads is in order here. Give a good tug on the leg and mount to make sure everything is tight. Next we should re-install the air line, through the hole in the mount and into the cylinder.

Once this is accomplished, let's put the floorboards on the new mounts.



At left, you can see the leg system mounted. Install the previously removed spring and ball bearing in the hole in the middle of the mount. The arrow points to the installed spring and ball-bearing. Make sure this is in place and offer up the floorboard carefully to this mount.

Just like when we removed the floorboard, we want to slide the pins in to hold it in place. Have a small screwdriver or something that will allow you to push these toward the middle, through the holes on the outside.

Carefully lower the board onto the mount, being careful not to disturb the spring or ball-bearing. Once in place, push each of the pins through the board and the mount holes on the leg system until they have about 1/4" showing on both sides of the floorboard casting. You will know you have the correct amount if the floor-board cover can fall back into place. If not, make small adjustments to the pins to center them, and make sure the floorboard cover sits back down nicely.

Please Note: The floorboards on our mount only flip a small amount. This allows cleaning if/when needed. We would have had to make the mounts a bit wider and higher to allow the boards to flip up. We felt this was unnecessary due to the fact that our leg mounts are fixed in the same spot the floorboards occupy when they are down.



Once you have done this on both sides, test the system! The new mounts should have put the wheels in the EXACT same place they were before; only stronger. If the legs don't feel **VERY** stout, please contact us for assistance.