

HD144/145 lens adapter kit MKII for Barco/Marquee

v1.01 Mar 9, 2007

Installation guide



This document will outline how to modify and install HD144/145 lenses to fit your Barco or Marquee projector using the adapter plates and hardware provided. This assembly will replace your existing HD8 lenses.

This entire procedure should take you approximately 1 hour.

Note: *This mod requires that you modify your HD144/145 lenses by cutting off part of the mounting flange. The modified HD144/145 lenses may still be used in their normal manner (if ever needed) by using washers.*

STEP 1

For each of the HD144/145 lenses, remove the focus studs by using the #2 Robertson (square head) screw provided as a nut driver on a pair of vice grips. It's not a perfect fit as the studs square head is a little smaller than a #2 Robertson screwdriver, but it works well. If it's too tight to start, use an adjustable wrench to break it loose then spin it out using the screw trick.



STEP 2

Once both studs are out, slide off the mount:



STEP 3

On each lens, cut all 4 webs off using a hacksaw or similar tool:



STEP 4

Cut notches where the old screw holes existed. They should be just wide enough to clear the shafts of the #6 screw provided. If you cut two slots on either side you should be able to easily break out the middle piece.



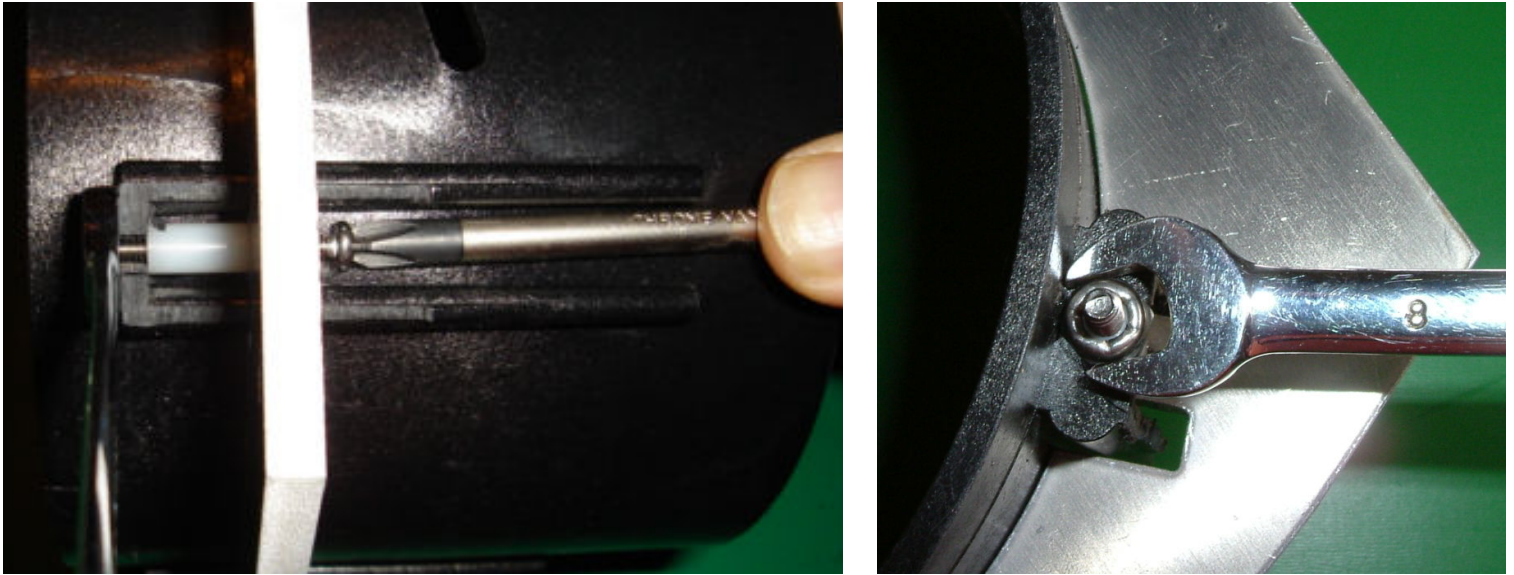
STEP 5

For each of the HD1441/145 lenses, slide one adapter plate onto the lens mount from the “front end” of the lens mount.

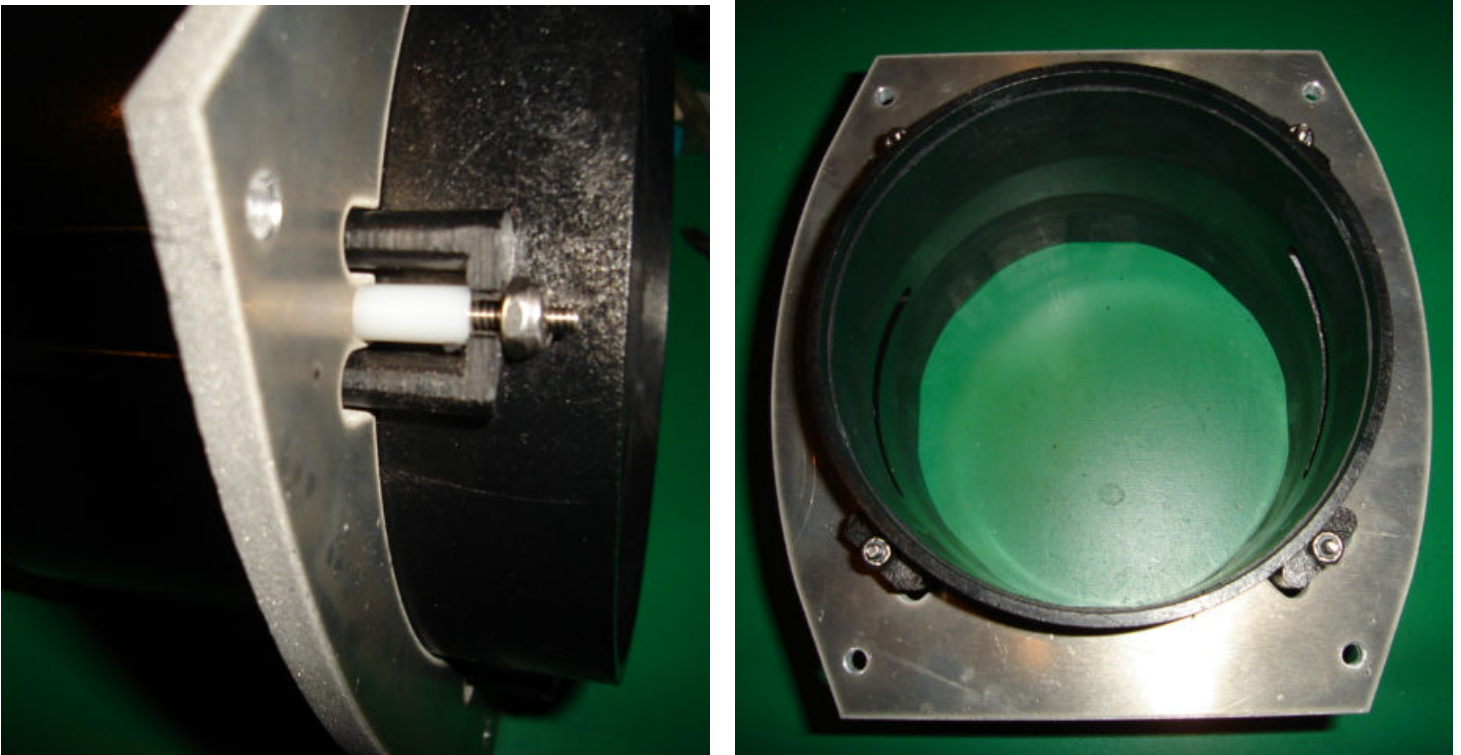


STEP 6

Insert the provided nylon spacer between the aluminum adapter plate and the plastic lens mount flange. Thread the #6 stainless steel screw through the aluminum plate, the nylon spacer, and finally into the nut and tighten. Repeat 4 times for each lens.



Here are some pictures of the finished mount:



STEP 7

CLEAN things very well and reassemble the lenses. Those bits of plastic stick to everything because of static. Make sure things are clean before you reassemble the lenses.

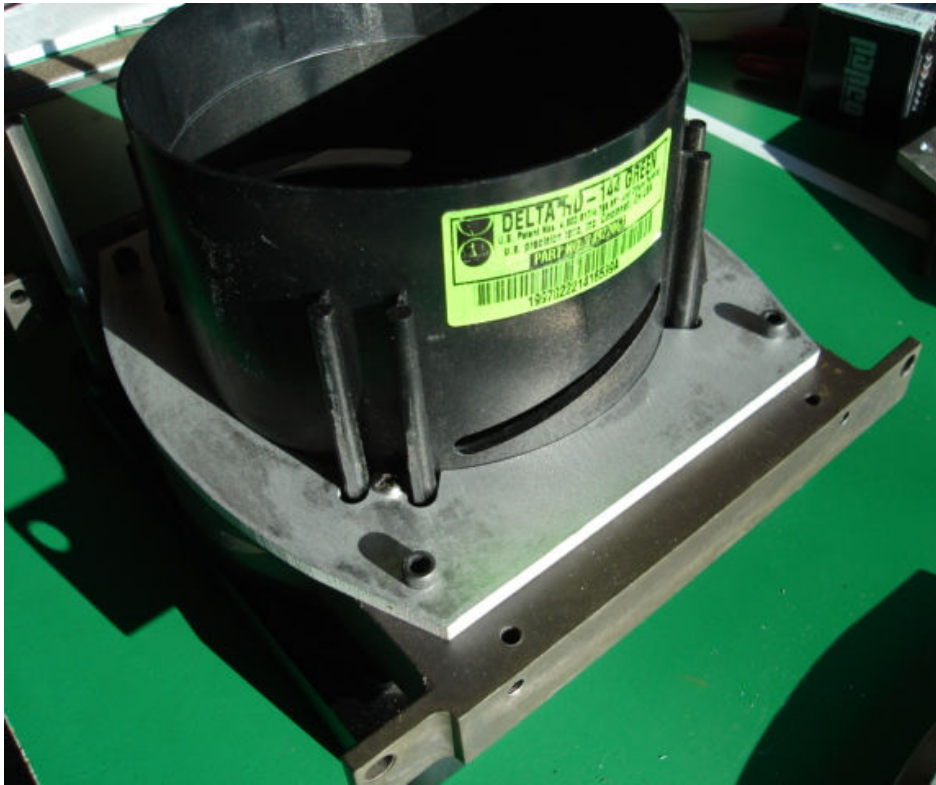
STEP 8

Remove the HD8 lenses from your projector.

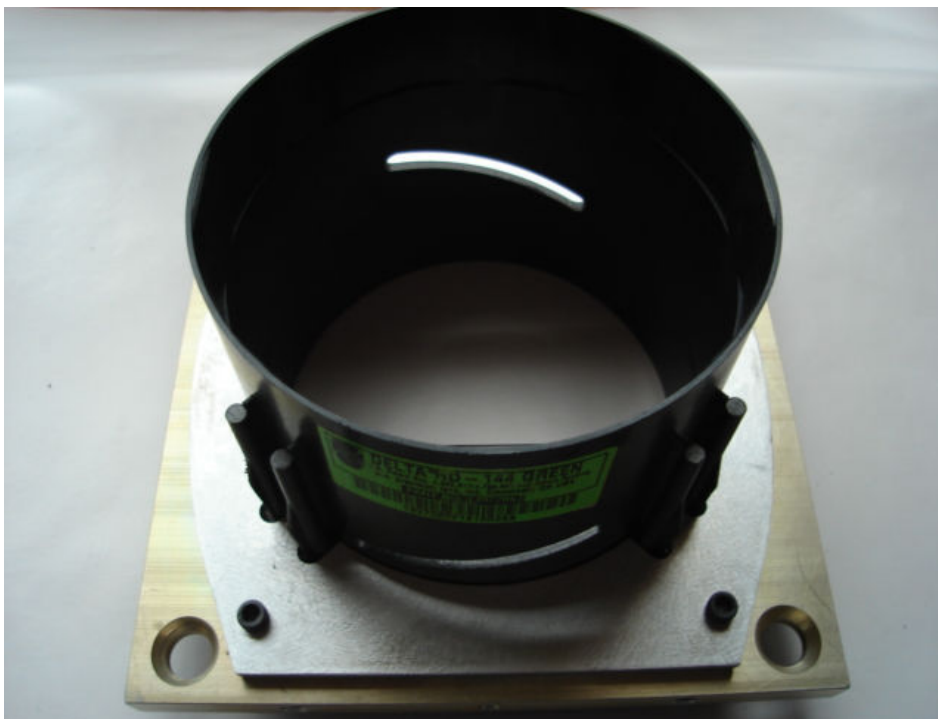
STEP 9

Bolt the HD144/145 lens & adapter assemblies to your projector lens mounts as you would regular HD-8 lenses. *(Note that the projector mount does not have to be removed from the projector in order to install the HD144/145 lens & adapter assembly).*

Here is a picture of the assembly attached to a Barco lens mount:



Here is a picture of the assembly attached to a Marquee mount:



That's it! Enjoy the better colours, less halo'ing and greater corner focus that HD144/145 lenses provide!
Questions? Email us at info@joustmods.com