

Challenger Door

Door Check Service Guide

Date: 3/30/20

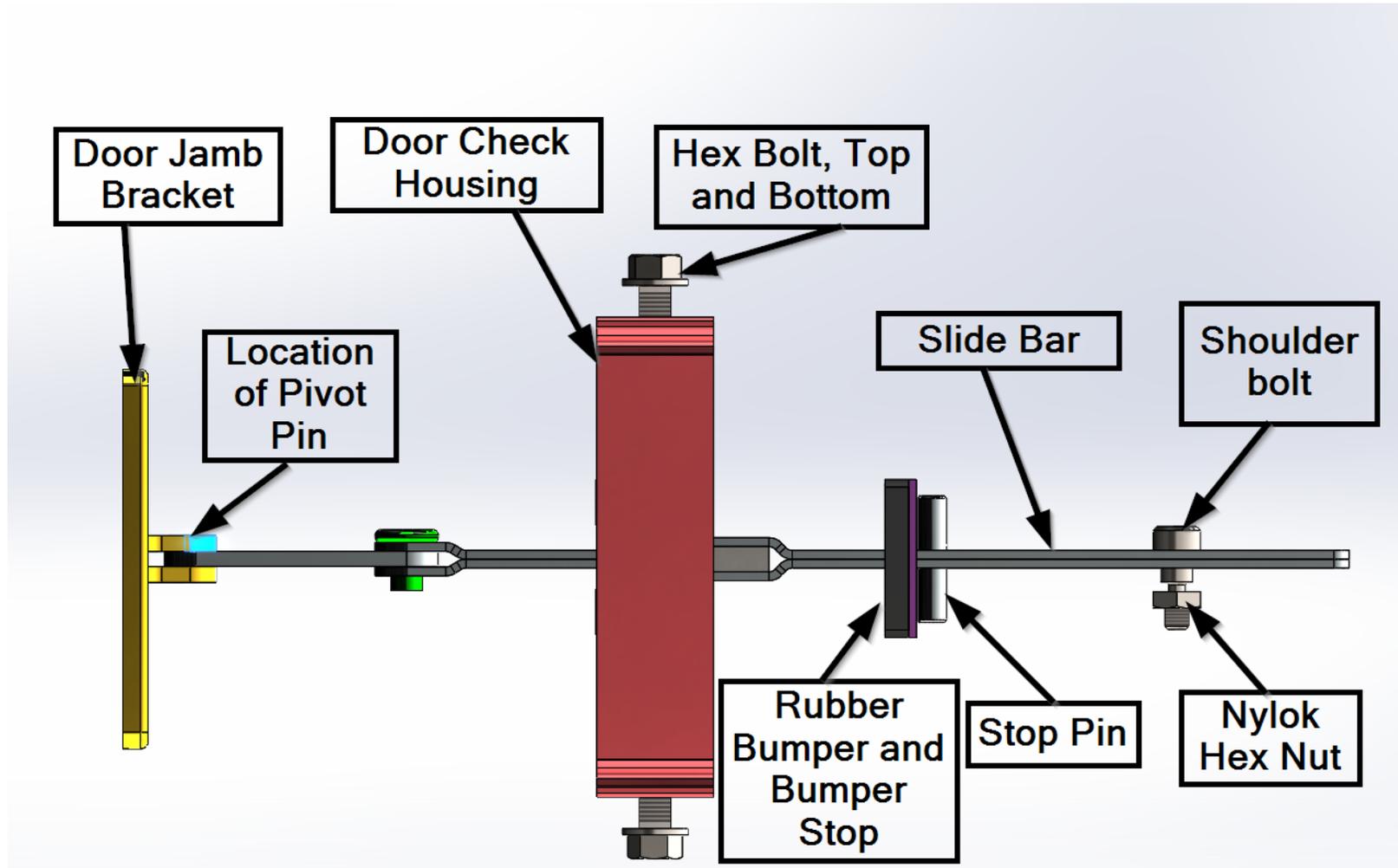
BY:AWY

Tools and Supplies needed

- Phillips Screwdriver
- 7/16" Box end wrench
- 3/8" Box end wrench
- 5/32" Hex wrench
- Loctite 242
- Soft Faced Mallet



Door Check Parts Breakdown

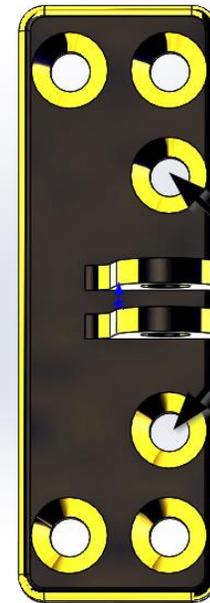
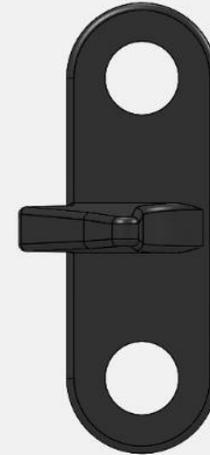


Removal of Old Parts

Refer to diagram above for help if needed

1. Open main door and remove the (2) screws fastening the screen latch striker (located below door latch). Retain the screws and striker for re-use
2. Remove the inner plastic panel by pulling the panel free from its Velcro attachment and/or remove the panel attachment screws around the perimeter (screws on later models). Retain screws for re-use. Set panel aside.
3. Remove the pivot pin from Door jamb bracket. Newer models may have a Shoulder Bolt and Nylok Hex Nut.
4. Remove Shoulder Bolt and Nylok Hex Nut from slide bar guide bracket located inside the door.
5. Support the slide bar and press-out the stop pin from slide bar. ****Be careful not to bend slide bar****
6. Remove the rubber bumper and bumper stop.
7. To aid in removing the slide bar, loosen the two hex bolts, one on either side of the door check housing.
8. Move door to fully open. Use a soft-faced hammer to tap the end of the slide bar through the door check. Remove the slide bar.
9. Remove all but the upper right screw on the Door Jamb bracket. Loosen, but do not remove the upper right-hand screw and swing the pivot bracket out of the way. Reinstall (1) screw into the lower right-hand screw hole.
**** This will prevent the tapping plate inside the door from dropping. If the tapping plate is dropped, removal of the door and mounting frame may be necessary to retrieve and re-install the tapping plate.**

Screen Latch Striker



2 Screw that hold the Tapping plate behind door Jamb

Installing the New Parts

****Refer to diagram above for help if needed****

1. Install the new pivot bracket onto the door jamb by inserting the upper right-hand screw first, then removing the lower screw that was holding the tapping plate. Complete the installation by installing and tightening all (6) screws.
2. Open the door fully. Insert the small end of the slide bar through the hole in the edge of the door and into the door check body. Use a soft-faced hammer to lightly tap the slide bar through the door check body until the groove in the slide bar lines up with the hole in the guide bracket on the door.
3. Install the rubber bumper and the bumper stop onto the slide bar. Position the bumper and stop between the door check mounting bracket and the hole in the slide bar.
4. Support the slide bar and install the stop pin through the hole in the slide bar.
****Be careful not to bend slide bar****
5. Install the shoulder bolt-short through the slot in the slide bar and fasten to the hole in the guide bracket on the door with the Nylok hex nut.
6. Line up the link end of the slide bar with its corresponding hole in the pivot bracket on the mounting frame. Install the shoulder bolt-long through the hole and fasten with a Nylok hex nut. to ensure a solid surface for latch to strike on. **** When installing the pivot pin into the pivot bracket and door check link, resistance will be encountered, gently tap the pin through the link and secure. Do not over tighten as this will result in binding of the door check.**

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| | <p>7. Adjust the door check resistance by equally tightening the bolts on the top and bottom of the door check body. A properly adjusted door check will have approximately 15 lbs. of resistance measured at the edge of the door. The check may be set slightly higher or lower to suit the individual need.</p> <p>8. Install the inner plastic panel by aligning the screw holes for the screen door latch striker. Adhere the panel to the door by pushing on the Velcro and/or installing the screws around the perimeter. Note: Do not over tighten the panel attachment screws. Over tightening will cause the panel to buckle.</p> <p>9. Install the screen door latch striker with its (2) screws. Latch the screen door to the main door and check for the proper alignment of the screen door latch striker. Adjust the striker as necessary to latch the doors together.</p> | |
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