

9. . Describe the following for the trailer hitch receiver:
- a. How the load ratings were determined to include the towable weight and the tongue weight of the hitch receiver;
 - b. Any stress analysis or finite element analysis performed to ensure that the subject components will meet or exceed the tow rating as specified on the subject components;
 - c. The specific location of the highest stress area within the subject components;
 - d. Any factor of safety established for the subject components;
 - e. Calculation and equation methodology employed to calculate the stresses in the subject components;
 - f. The design life of the subject components;
 - g. All static, quasi-static, dynamic, and field testing performed to ensure that the subject components will meet or exceed the tow rating as specified on the hitch receiver;
 - h. All corrosion related testing to ensure that the final protective coating meets Lippert's specification; and
 - i. All material specifications (including revision histories) for the subject components.
 - a) See Test Report 2014-1173
 - b) No FEA done- see Test Report 2014-1173
 - c) N/A
 - d) N/A
 - e) N/A
 - f) N/A
 - g) N/A
 - h) N/A
 - i) Provided

360231 – HITCH ASSY 8K 31.69 OC W/HDWR

REV A – 8/8/2014 – Initial release

REV B – 8/15/2014 – Added torque note, in body of print added “TORQUE TO 75 FT LBS”

REV C – 9/2/2014 – Changed 346254 to config 2 **zinc coating change**

REV D – 8/10/2017 – Changed 346254 to config 1, updated **Format of title block**

REV E – 9/15/2017 – **updated format for consistency** of descriptions and notes

REV F – 2/14/2019 – Updated standards **title block for consistency and notes**

REV G – 2/19/2021 – Replace 358933 w/352209 – Label layout changes

REV H – 10/4/2021 – Replace 352209 w/358933 – Label layout changes

REV J – 4/27/2022 – Replace loose hdwr 346260,118610,122802,346251 w/2022071583 – changed to kit rather than individual pieces

REV K – 1/23/2023 – **clarification on welding callouts for weldment of 328668**

360232 – HITCH ASSY 8K W/HDWR 31.69 O.C.

REV A – 8/8/2014 – Released to production

REV B – 8/14/2014 – Updated description

REV C – 8/15/2014 – Added torque note – Added torque note, in body of print added “TORQUE TO 75 FT LBS”

REV D – 9/2/2014 – Changed 346254 to config 2 - **change to zinc plating**

REV E – 8/10/2017 – Changed 346254 to config 1, updated title block

REV F – 9/15/2017 – Update format, description and notes

REV G – 2/19/2021 – Replace 358933 w/ 352209

REV H – 4/27/2022 – Replace loose hdwr 346260,118610,122802,346251 w/2022071583 – changed to kit rather than individual pieces