

# 2017-20XX, FORD, F250-550

## DEFENDER SERIES

### REAR BUMPER INSTALLATION INSTRUCTIONS



## SAFETY

**Know safety, no injury. Know injury, no safety. ~Author Unknown**

If there are any questions, call 1-855-HHTOUGH

- **READ ALL SAFETY INSTRUCTIONS BEFORE INSTALLATION**
  - FOLLOW ALL INSTRUCTIONS FOR PROPER ASSEMBLY
  - WEAR APPROPRIATE EYE PROTECTION
  - EXERCISE CARE WHEN LIFTING COMPONENTS
  - USE APPROPRIATE TORQUE FOR BOLTS
  - BLUE THREAD LOCKING COMPOUND IS RECOMMENDED ON ALL BOLTS

California Proposition 65



**WARNING**

Cancer and Reproductive Harm

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

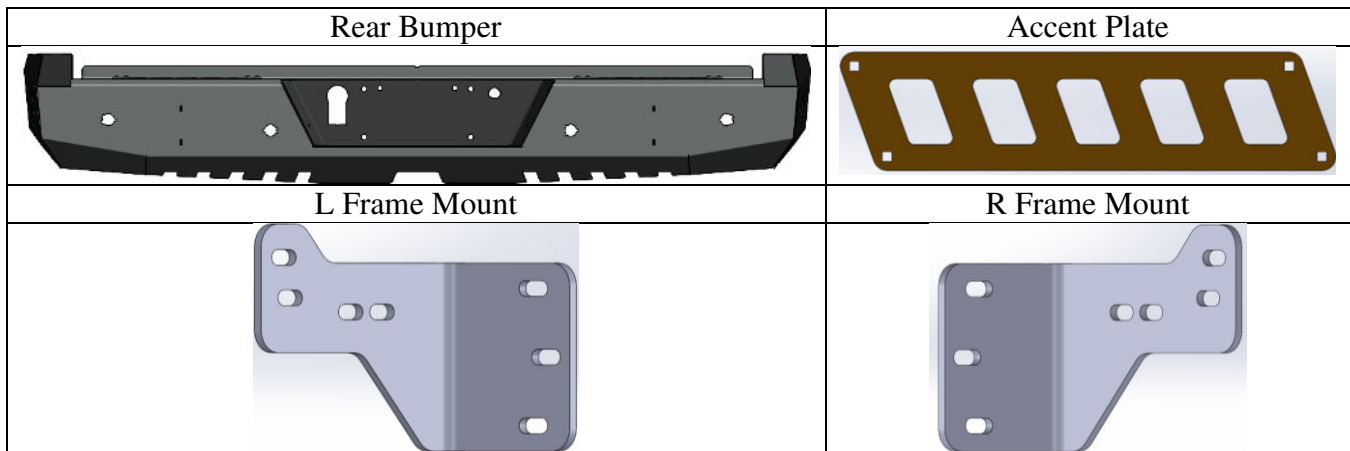
DO NOT PAINT OVER THIS LABEL. REPLACE IF DAMAGED OR LOST

DKB150\_00

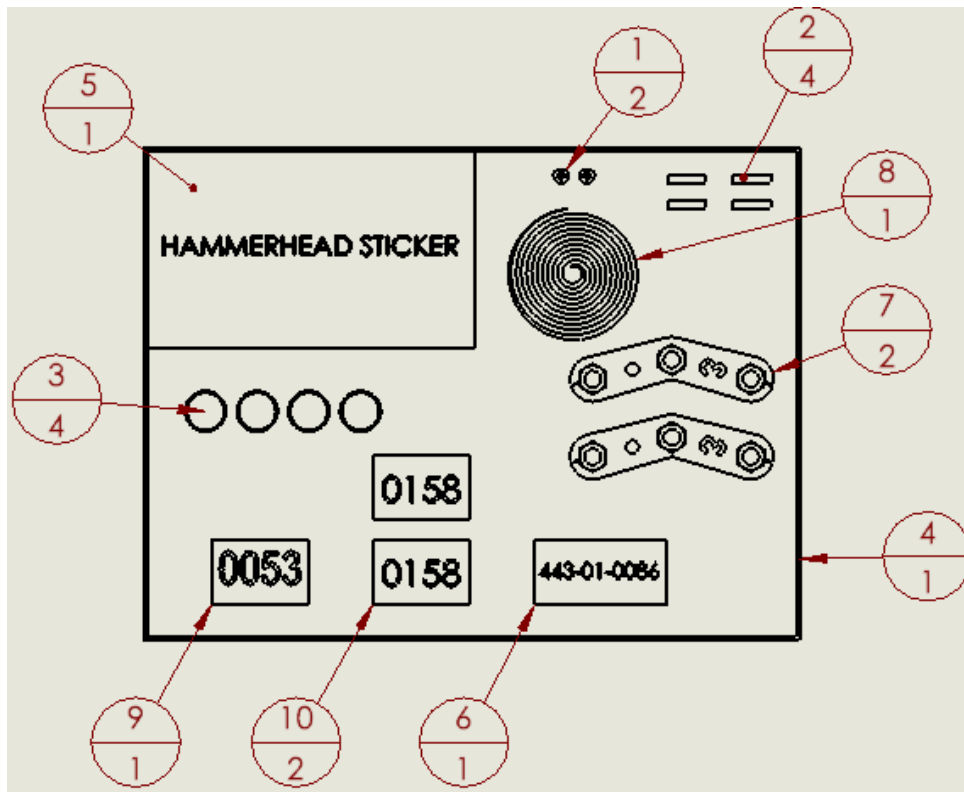
Suggested Torque Values For Steel Grade 5 Standard Bolts		
BOLT DIAMETER (INCH)	THREADS PER INCH	TORQUE (POUND - FEET)
1/4	20	7
5/16	18	14
3/8	16	25
7/16	14	40
1/2	13	60
9/16	12	88
5/8	11	120
3/4	10	200
7/8	9	302
1	8	466

Suggested Torque Values For Steel Grade 8.8 Metric Bolts		
BOLT DIAMETER (mm)	THREAD PITCH (mm)	TORQUE (POUND-FEET)
6	1.0	7
8	1.25	16
10	1.5	32
12	1.75	55
14	2.0	88
16	2.0	140
18	2.5	195
20	2.5	275
22	2.5	375
24	3.0	475

**I. PARTS LIST**



ITEM NO.	QTY	PART NUMBER	DESCRIPTION	
1	2	307-07-0008	12V COOL WHITE LED 120DEG BLK	-
2	4	307-09-0135	BUTT SPLICE 22/16 RED, HEATSINK	-
3	4	316-01-0005	1.25" PLUG BT-FLUSH LDPE BLACK	-
4	1	405-01-0065 BOX (18X12X12)	18X12X12 BOX	-
5	1	409-01-0125	HAMMERHEAD STICKER	-
6	1	443-01-0086	LICENSE PLATE MOUNTING KIT	-
7	2	601-56-2868	WELDNUT TAB 3	-
8	1	601-56-3744	3048MM LENGTH FOAM ROLL	-
9	1	60K-56-0053	HARDWARE KIT #53	-
10	2	60K-56-0158	HARDWARE KIT #158	-



## II. TOOL LIST

1. Basic tool set
2. 3/4" wrench
3. 3/4" socket
4. 21mm deep well socket
5. 13mm socket
6. 7/16" socket
7. Wire crimping pliers
8. Wire stripper pliers

### III. REMOVAL OF OEM BUMPER

1. Unplug trailer plug, sensors, and license plate lights if applicable.



2. Using 21mm deep well socket, remove four nuts attaching bumper to frame. (both sides)



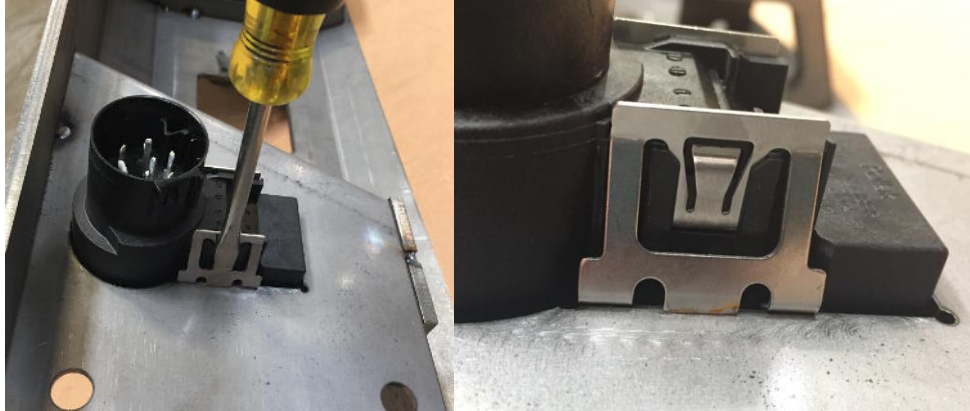
3. Using 13mm socket, remove two bolts attaching bumper to receiver hitch. Bumper is now ready to be removed. Set aside; it will not be reused.



4. Remove trailer connector, sensors, sensor grommets, spare tire access lock, and wiring harnesses from bumper.

#### IV. INSTALLATION OF HAMMERHEAD BUMPER

1. Install trailer connector, sensor grommets, sensors, spare tire access lock, and wiring harness in bumper.
2. Install trailer connector in bumper. Use a flat head screwdriver to pull out on the metal clips to ensure the middle of the connector is engaged properly.



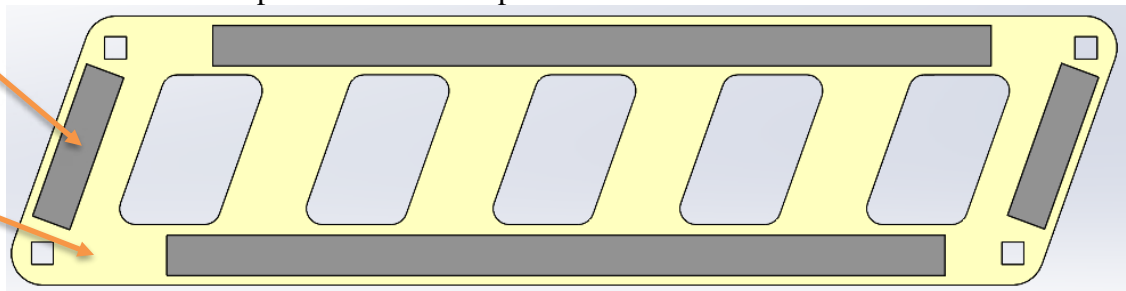
3. Install OE sensor grommets and sensors in bumper.
4. Install OE wiring harness in bumper. Place zip ties where convenient to secure wiring harness to bumper.



5. Install accent plates: Start by applying the foam weather stripping included in the install kit to the edges of each accent plate as shown in the picture below. This prevents rubbing between the accent plates and the bumper.

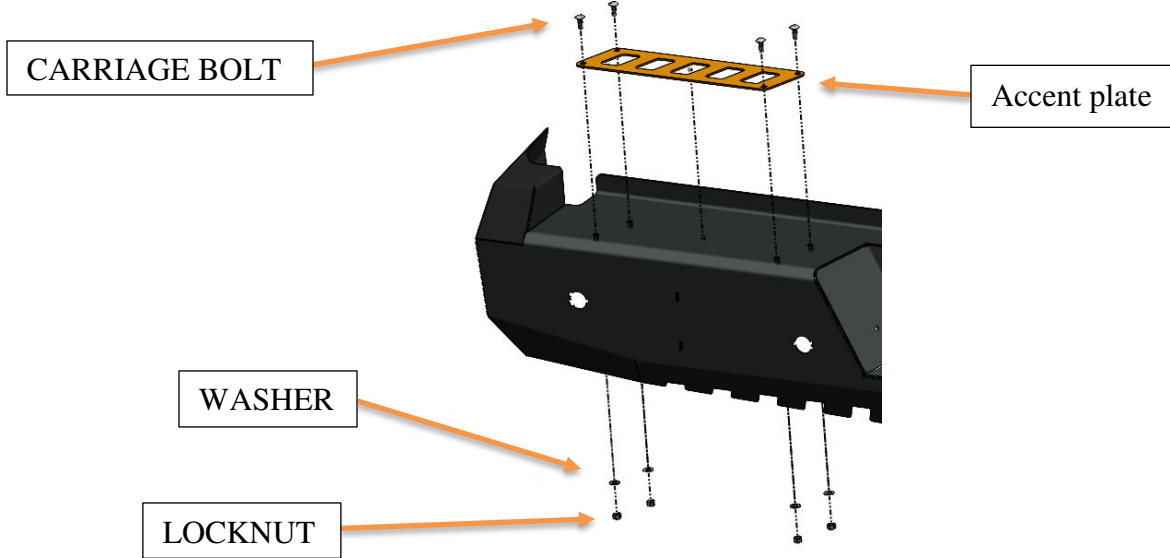
FOAM

Accent plate





6. Using a 7/16 socket or wrench install the accent plates using hardware kits 0158.



7. Layout OE bolt strips, nuts, and Hammerhead frame mounts as shown.



8. Install Hammerhead frame mounts on frame as shown using OE bolt strips. Slide mounts away from truck as far as possible. Do not fully tighten.





## 2017-20XX, FORD, F250-350

- Using hardware kit # 53 and two weldnut tabs, attach bumper to HH frame mounts. Do not fully tighten.



- Align bumper horizontally and vertically and tighten nuts using  $\frac{3}{4}$ " socket. Note: Open tailgate slowly to ensure minimum of  $\frac{3}{8}$ " clearance below tailgate and minimum of  $\frac{3}{8}$ " clearance from truck body.
- Connect existing license plate wires to provided LED lights. Use supplied butt connectors.
- Plug in trailer connector and license plate/sensor harness.



Congratulations! Your product installation is now complete.  
Thank you for your purchase.