



**DARK STAR  
OFFROAD**

# **SPRINTER STEP INSTALLATION GUIDE**

EST. INSTALL  
TIME:






**4 HRS**

# PACKING LIST

(1) SPRINTER PASSENGER SIDE STEP  
(1) SPRINTER DRIVER SIDE STEP  
(1) DRIVER REAR STEP BRACKET  
(2) PASSENGER REAR STEP BRACKETS

(1) DRIVER FRONT STEP BRACKET  
(1) PASSENGER FRONT STEP BRACKET  
HARDWARE: (SEE BELOW)

## HARDWARE

PART	QUANTITY	IMAGE
<b>G</b> 1/4"-20 Plus Nut Zinc-Coated Steel / Yellow Zinc 0.020-0.28 Grip Range	12 10 REQ + 2 EXTRA	
<b>H</b> 1/4"-20 Stainless Button Head Bolt   1" Length	20	
<b>J</b> 1/4"-20 Stainless Flat Head Bolt   1" Length	10	
<b>K</b> 1/4"-20 Zinc Nylock Nut	20	
<b>L</b> 1/4"-20 Black Stainless Washer	30	

## RECOMMENDED TOOLS

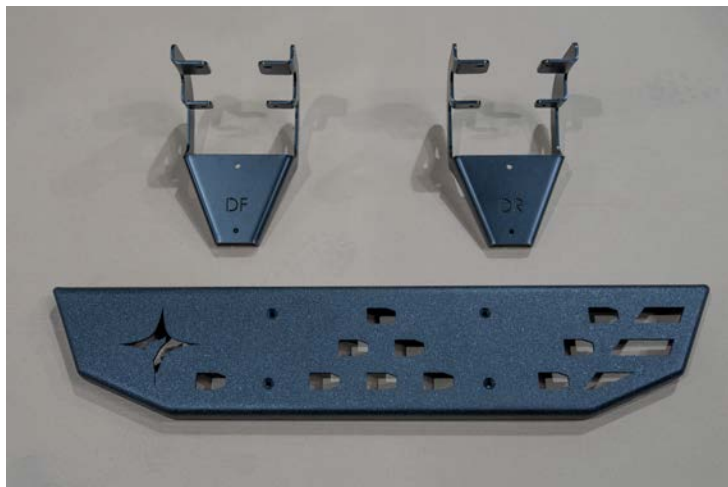
POWERED DRILL  
ADDITIONAL PERSON FOR HOLDING STEP  
SHARPIE OR MARKER  
PLUS-NUT SETTING TOOL  
7/16" WRENCH

5/32" HEX DRIVER BIT  
3/8" DRILL BIT\*  
LOCTITE  
RUST PREVENTION COATING

\*(USE 1/4" BIT FIRST FOR PILOT HOLE)

# 1. DRIVER SIDE STEP INSTALL

- A** ENSURE THE BRACKET LABELED “DF” IS AT THE FRONT AND “DR” IS IN THE REAR OF THE STEP.



- B** ATTACH BRACKETS TO STEPS USING (2) 1/4”-20 STAINLESS FLAT HEAD BOLTS (**J**) AND (2) 1/4”-20 ZINC NYLOCK NUTS (**K**) WITH QTY(2) 1/4” WASHERS (**L**) UNDER EACH NUT, PER BRACKET.

USE A 5/32” HEX DRIVER BIT TOOL FOR THE BOLT, AND 7/16” WRENCH FOR THE NUTS.

- C** HOIST THE ASSEMBLED STEP AND BRACKETS INTO PLACE UNDER THE VAN IS EASIER WITH A PARTNER, BUT CAN BE ACCOMPLISHED WITH A FLOOR JACK TOO.

THE ASSEMBLED STEP WILL ACT AS A TEMPLATE FOR DRILLING MOUNTING HOLES.

# 2. HOLE PLACEMENT + MARKING

- A** PLACE THE REAR RUNNING BOARD BRACKET IN FRONT OF SUPPORT AND ON THE UNDERSIDE OF THE VAN RAIL.

ENSURE THAT ALL OF THE LOWER STEP BRACKETS ARE IN CONTACT AND FLUSH WITH THE OUTER WALL OF THE VAN ROCKER PANEL.

- B** MEASURE 1.75” FROM THE LOWER B-PILLAR BRACE TO THE REAR EDGE OF YOUR DRIVER REAR “DR” BRACKET.





## 2. HOLE PLACEMENT + MARKING

**C** MARK UPPER MOUNTING POINT HOLES WITH A SHARPIE OR MARKER FOR DRILLING POSITIONS.

**D** AFTER ALL HOLES ARE MARKED, LOWER THE STEP/BRACKET ASSEMBLY BACK OUT FROM UNDER THE VAN.



## 3. DRILLING + RUST PREVENTION

**A** DRILL ALL THE MARKED HOLES ON THE UNDERCARRIAGE SIDE OF THE VAN, AS WELL AS THE INNER ROCKER PANEL FIRST WITH A 1/4" PILOT BIT, AND THEN A FINAL TIME WITH A 3/8" DRILL BIT.



### RECOMMENDED

USE OF RUST BULLET AUTOMOTIVE BRAND RUST PREVENTION FORMULA, OR SIMILAR RUST PREVENTION SPRAY PAINT ON ALL HOLES THAT HAVE BEEN DRILLED.

## 4. INSTALLING PLUS NUTS

**A** THREAD PLUS NUT INSTALLATION TOOL (NOT INCLUDED) INTO PROVIDED PLUS NUT.

INSERT EXTENDED PLUS NUT AND TOOL INTO NUT INTO DRILLED HOLE.

USING THE APPROPRIATE WRENCH FOR YOUR PLUS NUT INSTALLATION TOOL, HOLD THE MATING NUT ON THE INSTALLATION TOOL.

TIGHTEN THE BOLT IN THE PLUS NUT WHILE HOLDING THE BOLT STATIONARY.

### DO NOT OVERTIGHTEN

OVERTIGHTENING WILL RESULT IN A PLUS NUT THAT SPINS IN THE HOLE. A SPINNING PLUS NUT WILL NEED TO BE DRILLED OUT AND REPLACED.





# 5. INSTALLING STEP & BRACKET ASSEMBLY

**A** WITH THE HELP OF A PARTNER, HOIST THE STEP AND BRACKET ASSEMBLY BACK UNDER THE VAN TO LINE UP THE BRACKET MOUNT HOLES WITH THE NEWLY INSTALLED PLUS-NUTS.

IF NO PARTNER IS AVAILABLE, A FLOOR JACK CAN BE USED.



## RECOMMENDED

BLUE LOCTITE OR SIMILAR THREAD LOCKER ON 1/4"-20 BLACK STAINLESS BUTTONHEAD BOLTS **(H)** TO PREVENT LOOSENING.



**B** INSTALL THE (4) UPPER 1/4"-20 STAINLESS BUTTON HEAD SOCKET CAP SCREWS **(H)** INTO THE NEWLY SECURED PLUS NUTS. TORQUE UPPER BOLTS TO 8FT/LBS.

THE INSTALLED BRACKETS WILL ACT AS A GUIDE FOR YOUR LOWER MOUNTING HOLES.

**D** ONCE YOU HAVE DRILLED THE LOWER HOLES, INSTALL HARDWARE:

- (2) 1/4"-20 STAINLESS HEX DRIVE BRACKET BOLTS **(H)**
- (2) 1/4"-20 BLACK STAINLESS WASHER **(L)**
- (2) ZINC LOCK NUTS **(K)**

USE A 7/16 SOCKET AND 5/32 ALLEN KEY TO TIGHTEN LOWER BOLTS.

**C** DRILL LOWER 4 HOLES WITH 1/4" DRILL BIT. BE SURE THAT THE STEP BRACKETS ARE SNUG TO THE VAN.

**BE CAREFUL NOT TO DRILL INTO THE STEP AS YOU GO THROUGH THE PINCH SEAM.**



**RECOMMENDED** TORQUE STRIPE ALL BRACKET BOLTS ONCE TORQUED TO 8FT/LBS

# 6. INSTALLING STEP & BRACKET ASSEMBLY

**YOU WILL ESSENTIALLY REPEAT THE STEPS FOR THE DRIVER SIDE INSTALLATION.**

- A** SIMILAR TO THE DRIVER SIDE, FULLY ASSEMBLE THE PASSENGER STEP WITH PROVIDED BRACKETS.  
ENSURE THE “PF” BRACKET IS LOCATED AT THE FRONT OF THE STEP (NEAR LOGO).  
USE THE TWO “PR” BRACKETS FOR THE REAR OF THE STEP, THEIR ORDER DOES NOT MATTER.

- B** USE FOLLOWING HARDWARE **PER BRACKET** FOR ASSEMBLY:

- (2) 1/4”- 20 STAINLESS FLATHEAD BOLTS (**J**)
- (2) 1/4”- 20 ZINC NYLOCK NUTS (**K**)
- (2) 1/4”- 20 WASHERS (**L**) UNDER EACH NUT.

USE A 5/32” HEX DRIVER BIT TOOL FOR THE BOLT, AND 7/16” WRENCH FOR THE NUTS.

- C** USING A PARTNER (OR FLOOR JACK) HOIST THE ASSEMBLED STEP INTO PLACE.

LIKE THE DRIVER SIDE, THIS WILL ACT AS A GUIDE FOR DRILLING



- D** MEASURE 9.5” BACK FROM THE VAN FRAME SUPPORT | MARK THE 6 UPPER HOLES.

- E** DRILL 1/4” PILOT HOLES WHERE MARKS WERE MADE | FINISH USING 3/8” DRILL BIT

- F** **RECOMMENDED:** COAT DRILLED HOLES WITH RUST PREVENTION SPRAY PAINT OR FORMULA

- G** INSTALL PLUS NUTS AS DESCRIBED ABOVE

- H** INSTALL BRACKET ASSEMBLY ONTO PLUS NUTS WITH 7/16” WRENCH AND THE 1/4”- 20 STAINLESS BUTTON HEAD CAP SCREWS (**H**) WITH 1/4” WASHERS (**L**)

- I** **RECOMMENDED:** BLUE LOCTITE OR SIMILAR THREAD LOCKER ON 1/4”-20 STAINLESS HEX DRIVE BRACKET BOLTS (**H**) TO PREVENT LOOSENING

- J** USE PARTIALLY INSTALLED STEPS AS A GUIDE FOR DRILLING LOWER HOLES WITH A 1/2”\* DRILL BIT

- K** FINISH INSTALLING THE STEPS WITH (2) 1/4”- 20 STAINLESS HEX DRIVE BRACKET BOLTS (**H**), (2) 1/4”- 20 BLACK STAINLESS WASHERS (**L**), AND (2) ZINC LOCK NUTS (**K**)

USING A 7/16 SOCKET AND 5/32 ALLEN KEY, TIGHTEN LOWER BOLTS.

**THAT'S IT!**

**ENJOY YOUR NEW**



**DARK STAR  
OFFROAD**

**SPRINTER STEPS!**