

16-22 PILOT, 17-24 RIDGELINE AND PASSPORT RECOVERY TOW HOOK INSTALL GUIDE

HARDWARE INCLUDED:

2X M14 X 180MM X 1.5MM
2X M12 X 80MM X 1.25MM
2X M14 WASHER
2X M12 WASHER
2X 1.25" X 1.5" M12
(STOCK VEHICLE)
2X 1.25" X 2.5" M14
(STOCK VEHICLE)
2X 0.25" X 1.5" M12
(1" SUBFRAME DROP)
2X 0.25" X 2.5" M14
(1" SUBFRAME DROP)

TOOLS NEED:
BREAKER BAR
22MM SOCKET
19MM SOCKET
17MM SOCKET
10MM SOCKET

FLAT HEAD OR CLIP REMOVAL TOOL
TORQUE WRENCH
RAZOR KNIFE OR BOX CUTTER
1/8" DRILL BIT
RAMPS (GIVE YOURSELF SOME ROOM)
OSCILLATING OR DREMEL TOOL MAY SPEED CUTTING.

THIS GUIDE WILL COVER HOW TO INSTALL THE RECOVERY HOOKS ON A STOCK VEHICLE OR VEHICLE EQUIPPED WITH A 1" SUBFRAME DROP. THE INSTALLATION PROCESS IS THE SAME BUT REQUIRES DIFFERENT HEIGHT SPACERS TO INSURE PROPER FITMENT.

START BY REMOVING THE FACTORY SPLASH SHIELD COVERING THE SUBFRAME. THIS MAY ALREADY BE MISSING IF YOU HAVE A 1" SUBFRAME DROP INSTALLED.

IF THE FACTORY SPLASH IS STILL INSTALLED YOU NEED TO DECIDE IF YOU WANT TO KEEP IT OR REMOVE IT. THIS APPLIES TO 19-20 PASSPORT, 17-20 RIDGELINE, AND 16-22 PILOT. THE WAY THE BUMPER IS SHAPED ON THESE YEARS REQUIRES THE SPLASH SHIELD TO BE MODIFIED IN ORDER TO RETAIN IT.

SPLASH SHIELD MODIFICATION

THIS SECTION IS FOR THOSE WHO WANT TO KEEP THEIR SPLASH SHIELD. IF NOT SKIP DOWN TO THE NEXT SECTION "TRIMMING THE BUMPER". TO REMOVE THE SPLASH SHIELD YOU WILL NEED A 10MM SOCKET, PHILLIPS #2 SCREW DRIVER, AND FLAT HEAD OR SNAP REMOVING TOOL TO REMOVE THE PLASTIC PUSH PINS. THERE ARE 4X 10MM BOLTS ACROSS THE FRONT THAT MUST BE REMOVED. 2X PHILLIPS SCREWS ON EITHER SIDE. THEN REMOVE THE REMAINING PLASTIC PINS. ON THE PASSPORT I USED TO MAKE THESE INSTRUCTIONS THERE WERE ONLY 4 ADDITIONAL PLASTIC PINS BUT ON A COMPLETELY STOCK VEHICLE I WOULD EXPECT 8 OR MORE. ONCE THE SPLASH SHIELD IS REMOVED USE THE PROVIDED MOUNTING SPACER AS A TEMPLATE PLACING THEM ON THE REMOVED SHIELD AND MARK FOR CUTTING. REPEAT THIS PROCESS ON BOTH SIDES OF THE SPLASH SHIELD MODIFYING ALL FOUR HOLES IN THE SPLASH SHIELD.

2.5" SPACER HERE.



1.5" SPACER HERE. USING A DREMEL OR OSCILLATING TOOL FOR THIS MODIFICATION IS RECOMMENDED. ONCE THESE HOLES HAVE BEEN MODIFIED REINSTALL THE SPLASH SHIELD.

TRIMMING THE BUMPER

STEP ONE: WHAT MODEL DO YOU HAVE? 16-22 PILOT, 17-20 RIDGELINE, 21-24 RIDGELINE, 19-20 PASSPORT, OR 21-24 PASSPORT. CURRENTLY WE ONLY HAVE MEASUREMENTS FOR THE 21-23 RIDGELINE AND THE 19-20 PASSPORT. THAT BEING SAID, CHECK IF A TEMPLATE WILL WORK FOR YOUR VEHICLE.

19-20 PASSPORT: MEASURE OVER 1" FROM THE SEAM TOWARDS THE CENTER OF THE VEHICLE. USING THE SEAM OF THE CHIN GUARD AND MAIN BUMP TO MARK THE TOP CORNER OF THE SLOT. THIS SLOT IS 3 3/4" WIDE AND 1" TALL. YOU MAY CHOOSE TO REMOVE THE CHIN GUARD COMPLETELY.



TRIMMING THE BUMPER

· 21-24 RIDGELINE AND PASSPORT: MEASURE OVER $\frac{3}{4}$ " FROM THE SEAM TOWARDS THE OUTSIDE OF THE VEHICLE. USING THE TRANSITION OF THE MAIN BUMP TO MARK THE TOP CORNER OF THE SLOT. THIS SLOT IS $3\frac{1}{4}$ " WIDE AND 1" TALL.



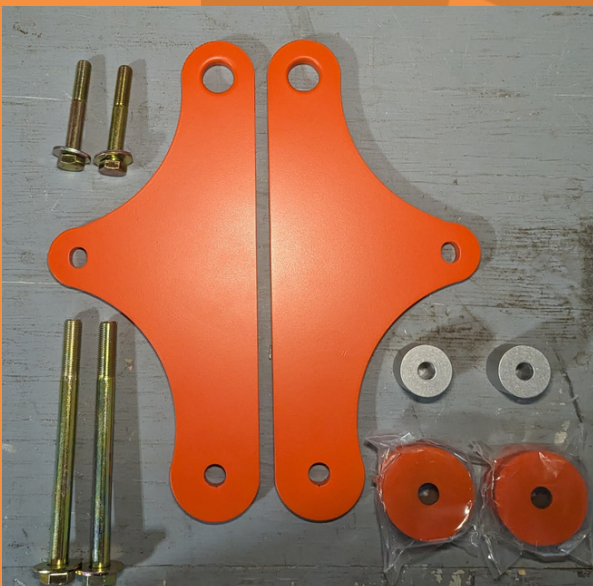
TEMPLATE IS AVAILABLE TO PRINT AT THE END OF THESE INSTRUCTIONS

INSTALLING TOW HOOKS

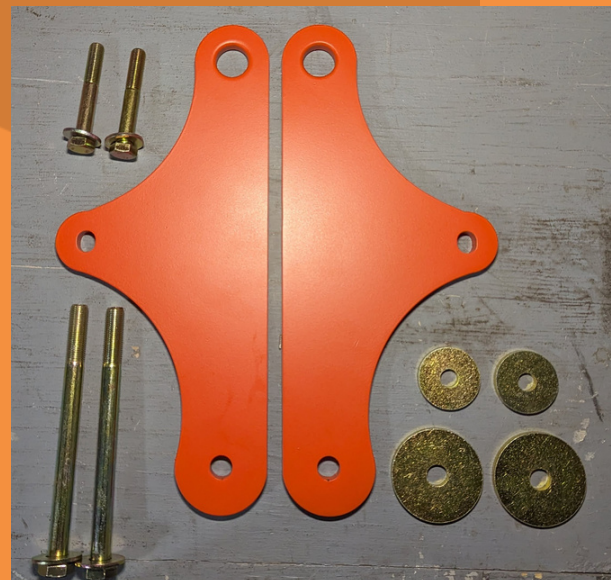
ONCE THE TRAY IS REMOVED AND BUMPER TRIMMED, LOCATE THE TWO SUBFRAME BOLTS FOR REMOVAL. **(DO ONLY ONE SIDE AT A TIME)** YOU ARE REMOVING SUBFRAME BOLTS THAT SUPPORT THE ENGINE AND DRIVETRAIN.



USING A 17MM SOCKET AND BREAKER BAR, REMOVE THE SUBFRAME BOLT AND BRACE BOLT. YOU MAY HAVE TO PULL DOWN ON THE SUBFRAME BOLT WHEN REMOVING IT. ONCE THE SUBFRAME BOLT AND BRACE BOLT HAVE BEEN REMOVED YOU CAN BEGIN INSTALLATION.



STOCK TOW HOOK KIT



1" SUBFRAME DROP TOW HOOK KIT

INSTALLING TOW HOOKS

YOU WILL NEED A 22MM AND 19MM SOCKET. START WITH THE 19MM (M12 BRACE BOLT) PLACE THE 1.5" DIA. SPACER ON TOP OF THE TOW HOOK. RUN THE BOLT THROUGH AND THREAD IT IN FIRST AS IT IS TYPICALLY EASY TO START. ONCE STARTED LEAVE LOOSE. NEXT PLACE THE 2.5" DIA. SPACER ON TOP OF THE HOOK AND INSTALL THE 22MM (M14 SUBFRAME BOLT).



ONCE YOU HAVE BOTH BOLTS STARTED YOU CAN PROCEED TO TORQUE THE BOLTS. **72 FT-LBS FOR THE 22MM SUBFRAME BOLT AND 51 FT-LBS FOR THE M12 BRACE BOLT.**

ONCE YOU HAVE TORQUED BOTH BOLTS REPEAT THE PROCESS ON THE OTHER SIDE TO COMPLETE INSTALLATION.



*PRODUCT USED IN PHOTOS MAY DIFFER FROM YOUR PRODUCT. WE ARE ALWAYS WORKING TO IMPROVE OUR PRODUCTS AND THE NEWER VERSIONS MAY DIFFER SLIGHTLY FROM IMAGES.

**2019-2022
Passport**

**2021-2024
Ridgeline**