

INSTALL INSTRUCTIONS

2023+ FORD F250-450 PICKUP FRONT 5-6" LIFT



KIT #
10015169—F250/350
10015956—F450



KELDERMAN MANUFACTURING

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KIT NUMBERS

- THIS INSTALLATION MANUAL COVERS THE FOLLOWING AIR RIDE KITS.

KIT NUMBER	DESCRIPTION
10015956	2023 FORD F250-350 PICKUP FRONT 5-6" LIFT



INTRODUCTION

IMPORTANT

- ◆ IT IS IMPORTANT THAT THE ENTIRE INSTALLATION INSTRUCTIONS BE READ THOROUGHLY BEFORE PROCEEDING WITH INSTALLATION.
- ◆ IF YOUR KIT WAS ORDERED RAW, OPEN EVERY BOX AND LOCATE ALL PARTS. THERE ARE SEVERAL SMALLER BUSHING PIECES AND BOLTS THAT ARE PACKAGED SEPARATELY INSIDE THE MAIN BOX.

PRODUCT INSTALLER RESPONSIBILITIES

- ◆ INSTALLER IS RESPONSIBLE FOR INSTALLING THIS PRODUCT IN ACCORDANCE WITH KELDERMAN MFG. INC. SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
- ◆ INSTALLER IS RESPONSIBLE FOR PROVIDING PROPER INSTALLATION OF VEHICLE COMPONENTS AND ATTACHMENTS AS WELL AS REQUIRED OR NECESSARY CLEARANCE FOR SUSPENSION COMPONENTS, AXLES, WHEELS, TIRES, AND OTHER VEHICLE COMPONENTS TO ENSURE A SAFE AND SOUND INSTALLATION AND OPERATION OF THIS PRODUCT.

DEFINITION OF TERMS

- ◆ **WARNING:** INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.
- ◆ **CAUTION:** A POTENTIAL HAZARDOUS SITUATION MAY RESULT IN PROPERTY DAMAGE.
- ◆ **NOTE:** PROVIDE INFORMATION OR SUGGESTIONS THAT HELP CORRECTLY PERFORM A TASK.
- ◆ **TORQUE:** WHEN ITALICIZED "TORQUE" ALERTS THE INSTALLER TO TIGHTEN FASTENERS TO A SPECIFIED VALUE.

BOLT TORQUE CHART

BOLT SIZE	GRADE 5 TORQUE	GRADE 8 TORQUE
1/4"-20	<i>8 FT-LB</i>	<i>12 FT-LB</i>
3/8"-16	<i>19 FT-LB</i>	<i>26 FT-LB</i>
3/8"-24	<i>21 FT-LB</i>	<i>30 FT-LB</i>
1/2"-13	<i>45 FT-LB</i>	<i>64 FT-LB</i>
1/2"-20	<i>50 FT-LB</i>	<i>70 FT-LB</i>
9/16"-18	<i>70 FT-LB</i>	<i>100 FT-LB</i>
5/8"-11	<i>90 FT-LB</i>	<i>125 FT-LB</i>
5/8"-18	<i>100 FT-LB</i>	<i>150 FT-LB</i>
3/4"-16	<i>175 FT-LB</i>	<i>250 FT-LB</i>
7/8"-14	<i>275 FT-LB</i>	<i>400 FT-LB</i>

SAFETY

YOUR SAFETY AND THE SAFETY OF OTHERS IS VERY IMPORTANT.

- ◆ READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND INSTRUCTIONS BEFORE INSTALLING THIS PRODUCT.

CAUTION: TRUCKS EQUIPPED WITH PARKING SENSORS OR OTHER LIKE DEVICES.

- ◆ RELOCATION OF THESE DEVICES WILL ALTER THE FIELD OF VIEW. IT IS THE RESPONSIBILITY OF THE OWNER TO UNDERSTAND HOW THESE CHANGES AFFECT THE OPERATION OF THESE SYSTEMS.

WARNING: COMPONENTS UNDER PRESSURE.

- ◆ BLEED ALL PRESSURE FROM THE AIR SYSTEM BEFORE PERFORMING ANY MAINTENANCE OR SERVICE. SERIOUS INJURY COULD OCCUR IF COMPONENTS ARE REMOVED WHILE SYSTEM IS PRESSURIZED.

WARNING: CARELESS INSTALLATION CAN RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE

- ◆ WEAR EYE PROTECTION.
- ◆ DISCONNECT THE BATTERY BEFORE DOING ANY WORK ON THE VEHICLE.
- ◆ WORK ON FLAT LEVEL GROUND.
- ◆ ENSURE TRUCK IS PROPERLY SUPPORTED BY JACK STANDS. NEVER WORK UNDER A VEHICLE SUPPORTED ONLY BY HYDRAULIC JACKS.
- ◆ TAKE PRECAUTIONS WHEN LIFTING PRODUCT. DUE TO THE SIZE AND WEIGHT OF THIS PRODUCT TWO PEOPLE ARE RECOMMENDED FOR INSTALLATION.
- ◆ NEVER WORK DIRECTLY UNDER THE PRODUCT UNTIL IT HAS BEEN SECURELY FASTENED TO THE VEHICLE.
- ◆ AVOID SHARP, HOT, AND MOVING COMPONENTS WHEN ROUTING ELECTRICAL CABLES AND AIR LINES.
- ◆ IF DRILLING, INSPECT BOTH SIDES OF THE SURFACE AND REMOVE/RELOCATE ANY OBJECTS LOCATED IN THE WAY.
- ◆ ENSURE ALL BOLTS ARE PROPERLY TIGHTENED BEFORE DRIVING.

PRODUCT OWNER RESPONSIBILITIES

- ◆ PRODUCT OWNER IS SOLELY RESPONSIBLE FOR PRE-OPERATION INSPECTION, PERIODIC INSPECTIONS, MAINTENANCE, AND USE OF THE PRODUCT AS SPECIFIED BY KELDERMAN MFG. INC. OF PARTICULAR IMPORTANCE IS THE RE-TORQUE OF FASTENERS.
- ◆ THIS RE-TORQUE MUST BE PERFORMED WITHIN 2500 MILES OF THIS PRODUCT BEING PUT INTO SERVICE.
- ◆ THE KELDERMAN AIR SUSPENSION IS FULLY AUTOMATIC IN CONTROLLING THE HEIGHT OF THE CHASSIS WHEN PROPERLY INSTALLED.
- ◆ NO MANUAL INTERVENTION TO CONTROL AIR PRESSURE OR RIDE HEIGHT IS NEEDED DURING THE COURSE OF NORMAL OPERATION.
- ◆ PRODUCT OWNER IS RESPONSIBLE FOR “*DOWN TIME*” EXPENSES, CARGO DAMAGE, AND ALL BUSINESS COSTS AND LOSSES RESULTING FROM A WARRANTABLE FAILURE.

SERVICE INTERVALS

FIRST 2,500 MILES

- ◆ CHECK RIDE HEIGHT $\pm 1/4$ ”
- ◆ CHECK FOR AIR LEAKS AROUND FITTINGS.
- ◆ CHECK FOR ANY LOOSE OR RUBBING HOSES AND WIRES.
- ◆ RE-TORQUE ALL HARDWARE.

EVERY 30,000 MILES

- ◆ CHECK RIDE HEIGHT $\pm 1/4$ ”
- ◆ CHECK FOR AIR LEAKS AROUND FITTINGS.

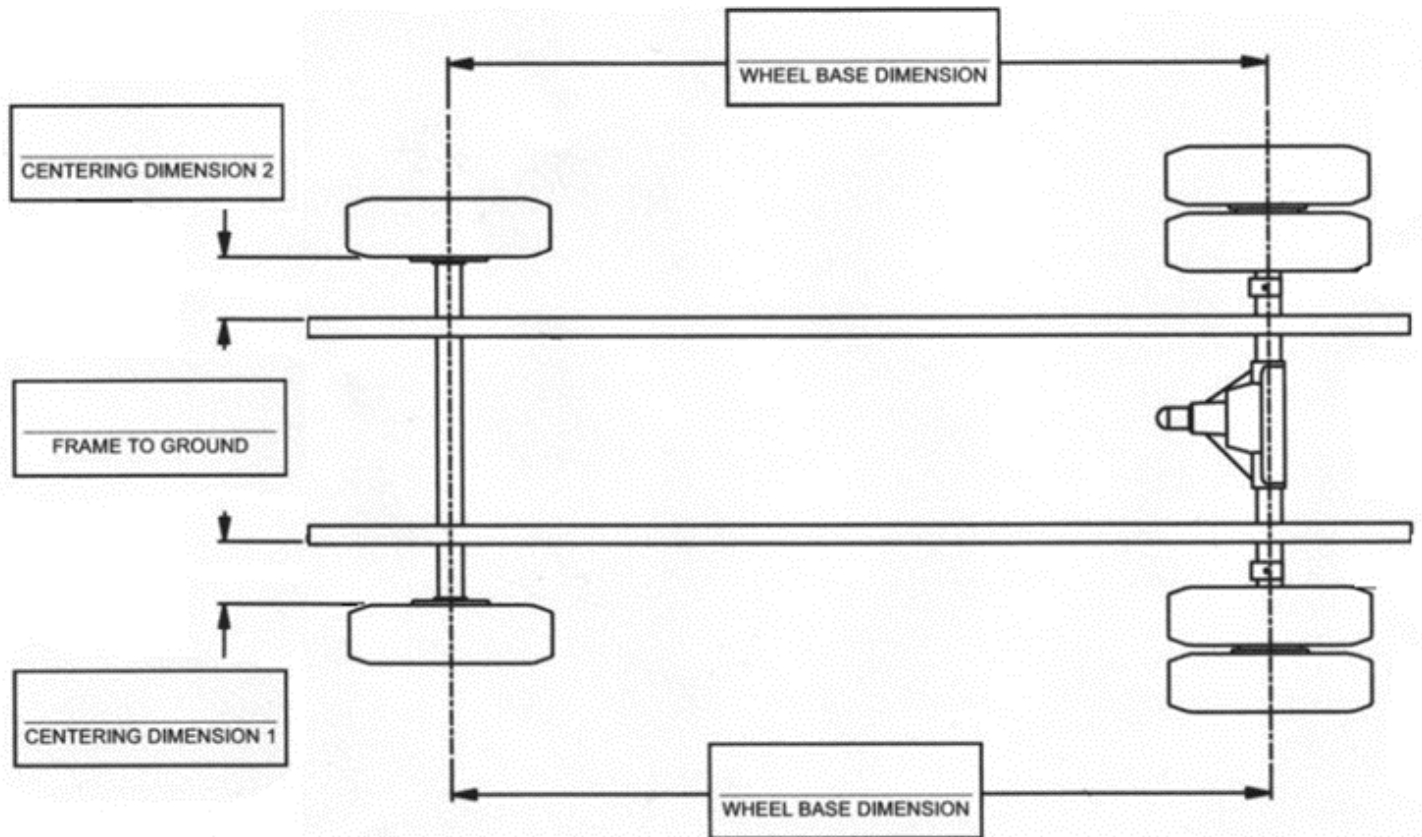
DISASSEMBLY

BEFORE DOING ANYTHING, MEASURE THE PINION ANGLE AND RECORD IT. THIS IS IMPORTANT BECAUSE YOU WILL NEED TO PUT THE AXLE BACK TO THIS MEASUREMENT AFTER INSTALLATION. SEE FIGURE 1.

PINION ANGLE _____



TAKE THE FOLLOWING MEASUREMENTS FOR FUTURE REFERENCE. THESE MEASUREMENTS WILL BE USED TO ADJUST THE SUSPENSION AFTER INSTALLATION.



DISASSEMBLY

JACK THE TRUCK UP FROM THE AXLE UNTIL THE WHEELS ARE OFF THE GROUND. PLACE A JACK STANDS UNDER THE FRONT OF THE FRAME. KEEP THE JACK UNDER THE AXLE AND REMOVE THE WHEELS. REMOVE THE SHOCKS AND UNHOOK THE SWAY BAR END LINKS. UNBOLT THE BRAKE LINE BRACKET FROM THE LOWER COIL SPRING MOUNT AND LOWER THE JACK DOWN. REMOVE THE COILS AND CAST SPRING PERCH BOLTED ON TOP OF THE AXLE.

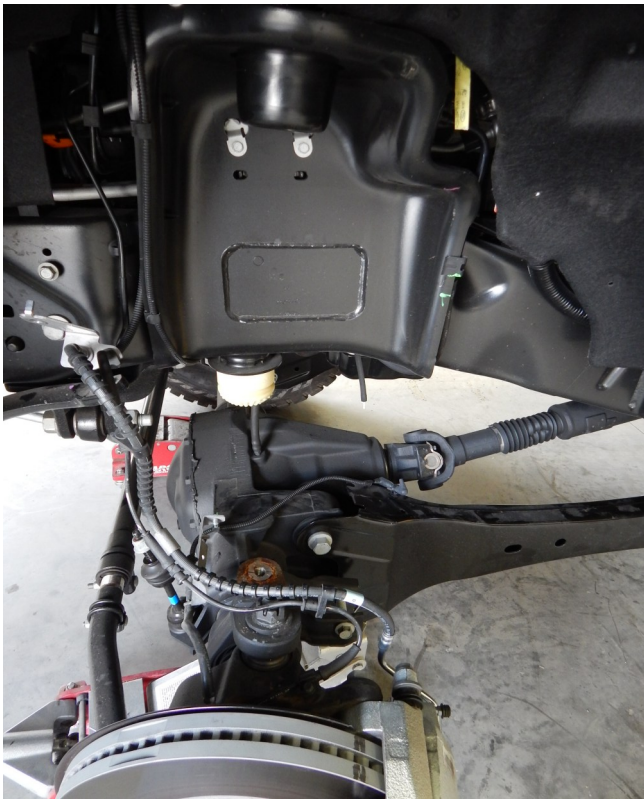


FIGURE 1: TRUCK STRIPPED AND READY FOR INSTALLATION



FIGURE 2-3: REMOVE BUMP STOPS BEFORE STARTING THE INSTALLATION PROCESS. REMOVE RUBBER AND THEN UN-BOLT THE METAL STOP PLATE.

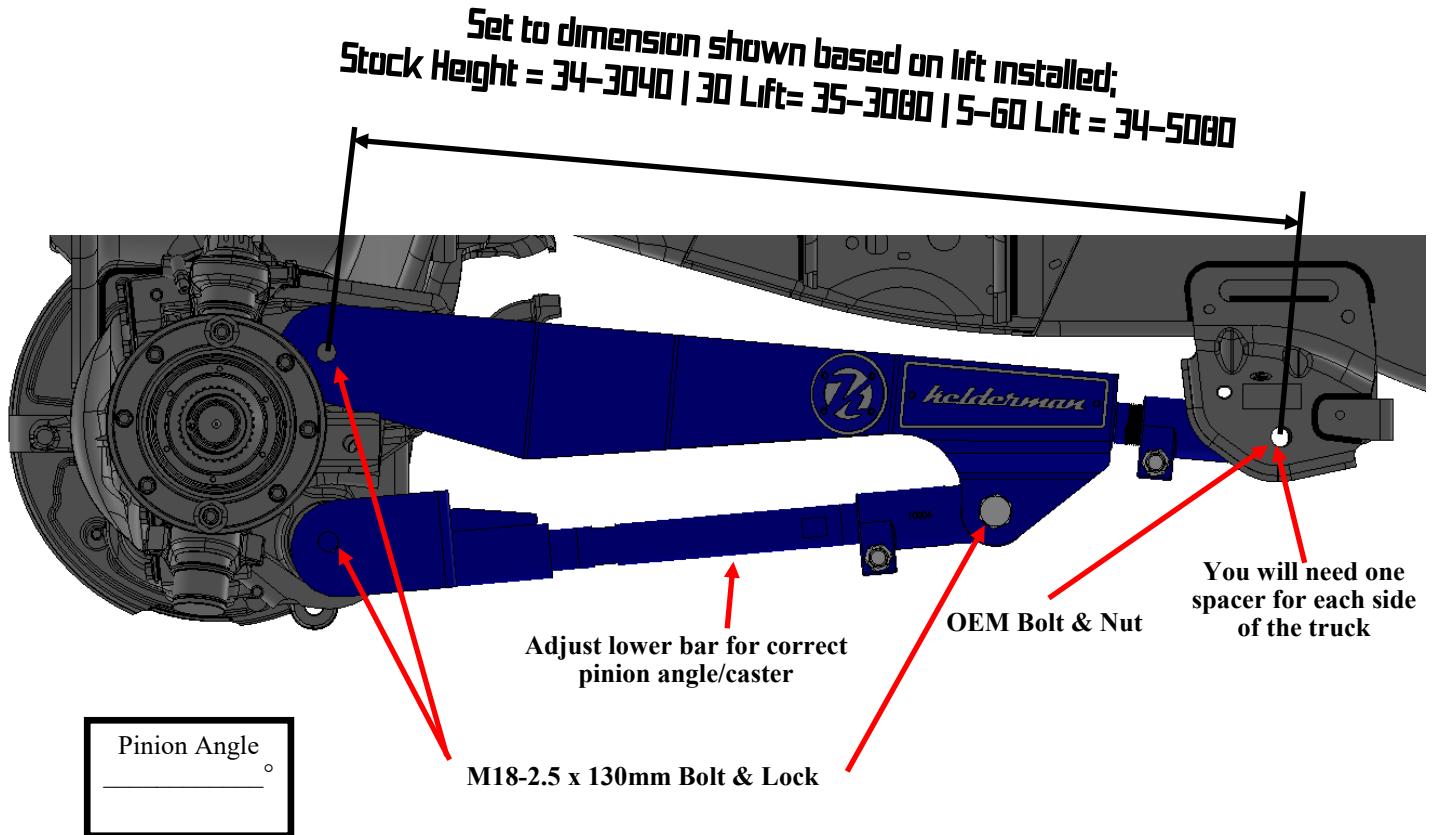
ASSEMBLY

1. REMOVE THE REAR BOLTS THAT HOLD THE FACTORY RADIUS ARMS TO THE FRAME. LOCATE THE RADIUS ARMS (PART#—10014975 (DS) AND 10015017 (PS) THEY FASTEN INTO THE FACTORY TRAILING ARM MOUNT WITH A M18-2.5 X 130MM BOLT. TORQUE THIS BOLT TO 175 FT./LBS. ALSO, DO BOTH SIDES AT THE SAME TIME.



FIGURE 5: SHOWS THE RADIUS ARM INSTALLED IN THE FACTORY MOUNT.

2. MEASURE FROM UPPER FRONT HOLE TO CENTER OF THE KNUCKLE. THREAD THE KNUCKLE TO SET LENGTH TO VALUES BELOW. YOU WILL USE THE OEM BOLTS AND NUTS ON THE REAR HOLE. MAKE SURE TO USE THE SPACER 10015110 ON THE KNUCKLE END OF THE RADIUS ARM.



3. RECORD FACTOR PINION ANGLE FOR REFERENCE. YOU WILL ADJUST THE LOWER BAG TO MATCH THE FACTORY PINION ANGLE/CASTER. ADJUST THE THREADED BAR CLOCKWISE TO EXTEND AND COUNTER-CLOCKWISE TO RETRACT. TORQUE THE M18 AND FACTORY BOLTS TO 150 FT-LBS. ITS RECOMMENDED TO HAVE THE TRUCK ALIGNED AFTER INSTALLATION.

4. LOCATE THE PAN HARD BAR/TRACK BAR DROP BRACKET (P/N # 69471 IS F250/350 AND P/N # 69460 IS FOR THE F450 PICKUP KITS) INSTALL THE PAN HARD BAR DROP WITH THE FACTORY BOLTS. IT FASTENS JUST LIKE THE OEM BRACKET. TORQUE THESE BOLTS TO 95 FT./LBS. REMOVE THE STEERING ARM FROM THE STOCK PITMAN ARM. SET ASIDE THE NUT, LOCKING CROWN AND COTTER PIN. REMOVE THE PITMAN ARM. YOU WILL REUSE THE NUT AND LOCK WASHER. REMOVE THE PAN HARD BAR BOLT AND PAN HARD BAR MOUNT. LOCATE AND INSTALL THE DROP PITMAN ARM (PART# FA 450 IS F250/350 AND PART# 80115 IS F450). TORQUE THE FACTORY NUT TO 275 FT./LBS. AND TORQUE THE STEERING ARM BALL JOINT NUT TO 115 FT./LBS. REINSTALL THE LOCKING CROWN AND COTTER PIN.

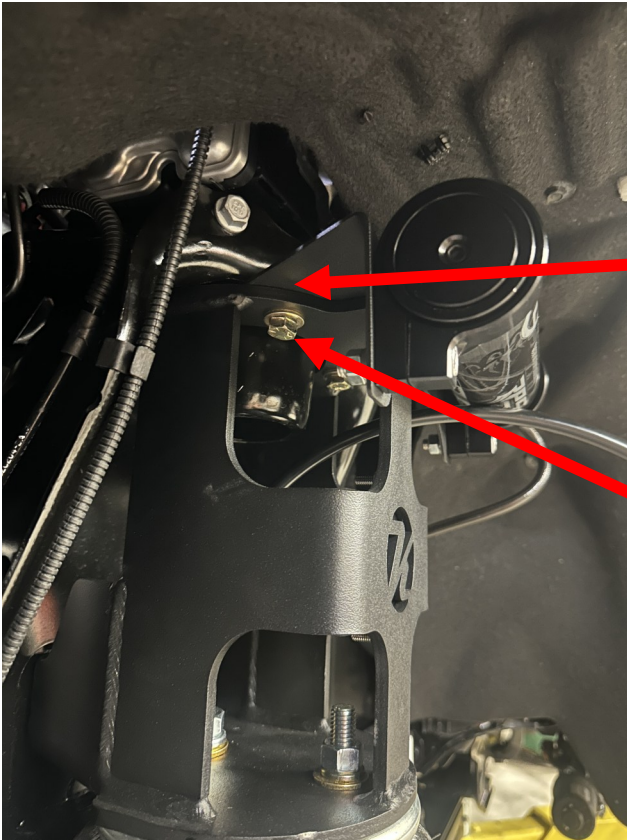
NOTE: AFTER 15 MILES, RE-TORQUE THE PITMAN ARM.



FIGURE 6-7: SHOWS PITMAN ARM INSTALLED



5. LOCATE THE UPPER AIR BAG MOUNTS (P/N # 10015952-DS & 10015953-PS) AND SHOCK RESERVOIR MOUNTS (P/N # 10016008-DS & 10016009-PS). THE SHOCK RESERVOIR MOUNTS MOUNT IN BETWEEN THE UPPER AIR BAG MOUNTS AND UPPER COIL BUCKET WITH TWO 3/8 X 2" BOLTS. THE BACK OF THE UPPER AIR BAG MOUNT FASTENS TO THE FRAME WITH TWO 3/8 X 1 1/2" BOLTS TO THE SIDE OF THE FRAME. USE THE UPPER AIR BAG MOUNT TO MARK WHERE TO DRILL THE HOLES IN THE FRAME. DRILL THE UPPER HOLES TO 7/16". DRILL THE HOLES IN THE SIDE OF THE FRAME TO 21/64". USE A 3/8-24 TAP TO THREAD THE SIDE OF THE FRAME. PUT THE UPPER BAG MOUNT IN PLACE AND SNUG THE BOLTS IN THE FRAME (USE LOCTITE 242 BLUE). NEXT INSTALL THE UPPER BOLTS AND TORQUE THEM TO 40 FT/LBS.



INSERT THE SHOCK REMOTE RESERVOIR MOUNTS HERE ON TOP OF THE UPPER AIR BAG MOUNT AND UNDER THE FACTORY SPRING PERCH SEE PICTURE ON FOLLOWING PAGE

DRILL THE UPPER HOLES IN THE SPRING PERCH 7/16"

CAUTION: THERE ARE WIRES ABOVE THE SPRING PERCH PLACE A FLAT PIECE OF STEEL ABOVE THE PERCH TO PREVENT DRILLING INTO THE WIRING HARNESS

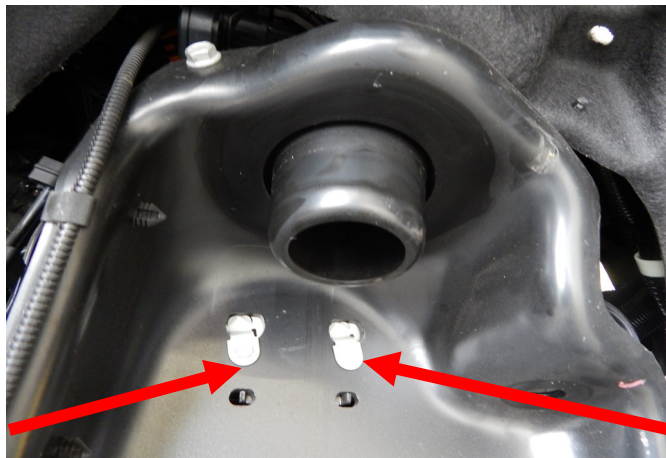


FIGURE 8-10: DRILL THE HOLES IN THE SIDE OF THE FRAME WITH A 21/64 DRILL BIT AND THREAD THE HOLES WITH A 3/8"-24 TAP.

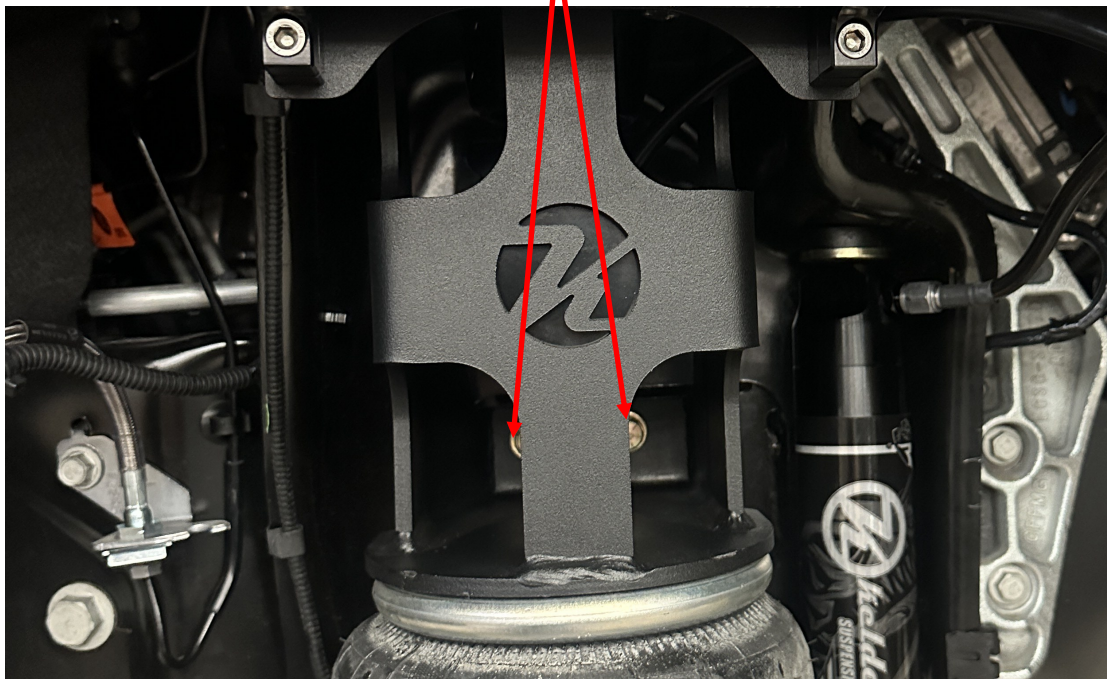


6. UPPER BAG MOUNT INSTALLED WITH BACKING PLATE BEHIND "K" LOGO AND SHOCK RESERVOIR MOUNT IN PLACE NOTICE THE SHOCK MOUNT IS ANGLED. THE LONG SIDE GOES TOWARDS THE FRONT OF THE TRUCK.



FIGURE 11-12

7. USE BLUE LOCTITE ON THE BOLTS GOING INTO THE FRAME. TIGHTEN THESE BOLTS FIRST. JUST RUN THE BOLTS DOWN SNUG. ONCE THESE ARE SNUG, NEXT TIGHTEN THE TOP BOLTS (WITH THE REMOTE RESERVOIR).



8. IF THE TRUCK IS A F-450 PICKUP, GO TO PAGE 16. THE LOWER AIR BAG MOUNTS ARE DIFFERENT THAN THE F250-350 P/U. THE F450 ALSO REQUIRES SHOCK SPACERS. LOCATE THE LOWER AIR BAG MOUNTS (P/N # 69476 DS AND 69485 PS). THEY FASTEN TO THE AXLE WITH THE M14-2.0 X 25 BOLT AND THE 3/8"-24 X 1-1/2" BOLT. THE BOTTOM EXTENSION OF THE LOWER AIR BAG MOUNT FASTENS TO THE SHOCK MOUNT ON THE AXLE WITH THE FACTORY SHOCK MOUNT. YOU WILL NEED TO DRILL A HOLE IN THE PAD ON EACH SIDE. THE DRIVER SIDE USES THE HOLE FURTHEST FROM THE TIRE AND THE PASSENGER SIDE USES THE HOLE CLOSEST TO THE TIRE. DRILL THIS HOLE WITH A 3/8" DRILL BIT. USE THE AIR BAG MOUNT AS A DRILL JIG. ONCE YOU FINISH DRILLING THE HOLES, INSERT THE 3/8 X 1-1/4" BOLT AND TORQUE TO 40 FT./LBS. TORQUE THE M14 BOLT TO 85 FT./LBS. TORQUE THE SHOCK BOLT TO 85 FT./LBS.

DRIVERS SIDE USES HOLE CLOSEST TO THE TRUCK FRAME



Figure 13-16

9. LOCATE THE F5323 (P/N # 80012-5323) AIR BAGS. THEY FASTEN INTO THE UPPER AIR BAG MOUNT WITH THE 1/2" AND 3/4" NUTS AND WASHERS. THE BOTTOM OF THE AIR BAG FASTENS TO THE LOWER AIR BAG MOUNT WITH THE 1/2" X 3-3/4" BOLT. TORQUE THE NUTS AND BOLTS TO 35 FT./LBS.

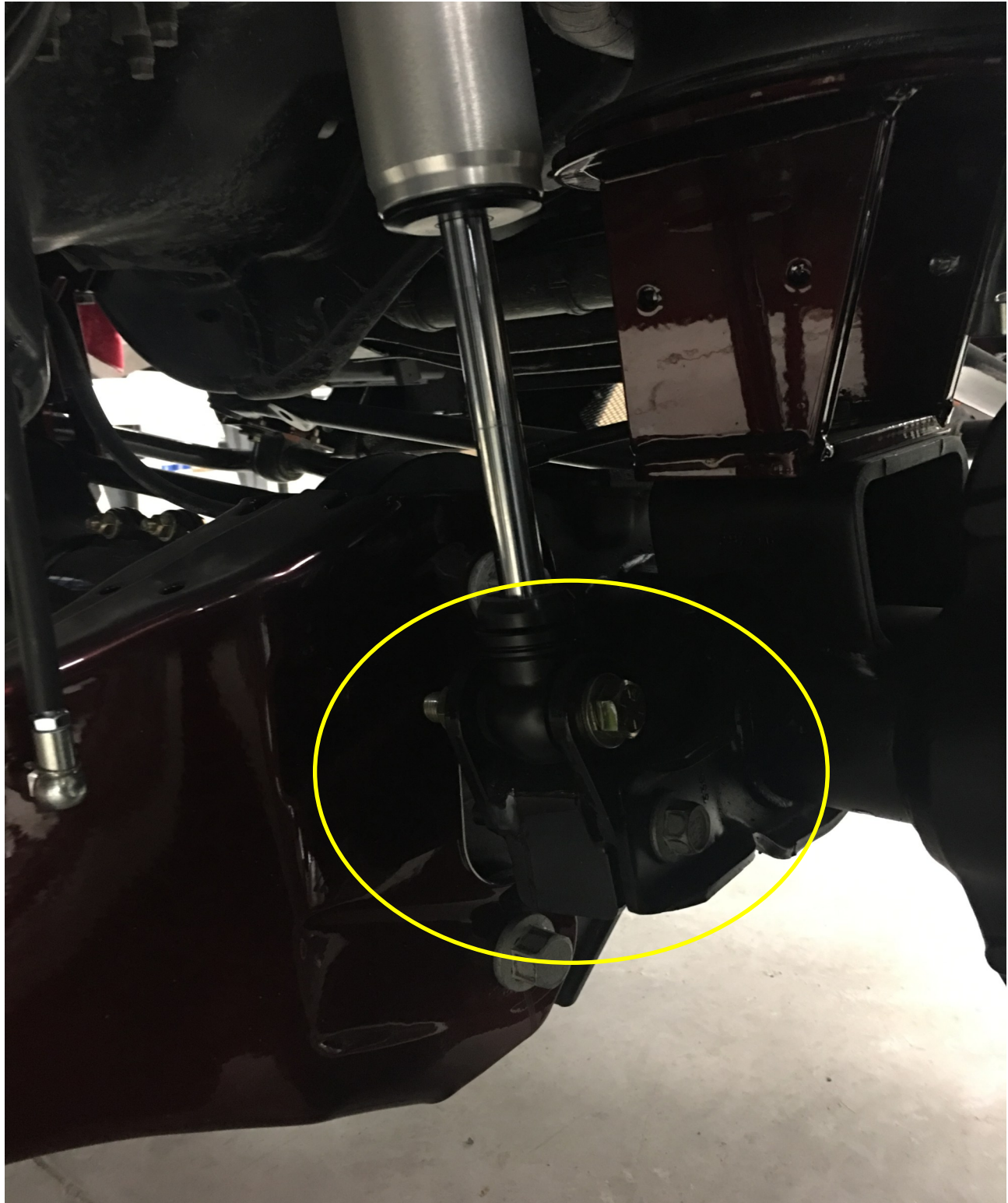
NOTE: THE BOTTOM OF THE AIR BAG IS SLOTTED. AFTER THE INSTALL IS COMPLETE, MAKE SURE THE AIR BAG IS STRAIGHT UP AND DOWN AND THERE IS AT LEAST 3/8" CLEARANCE BETWEEN THE AIR BAG AND TIRE AND INSIDE OF THE FRAME.



10. F450 PICKUP TRUCKS ONLY. LOCATE THE LOWER AIR BAG MOUNTS (P/N #10015954-DS & 10015955-PS). THEY FASTEN TO THE AXLE WITH THE M14-2.0 X 25MM BOLT AND THE 3/8"-24 X 1-1/2". PLACE THE LOWER BAG MOUNTS ON TOP OF THE PERCH. START THE 14MM BOLT TO LOCATE THE MOUNT IN POSITION. NO NEED TO TIGHTEN THIS BOLT. USE A PAINT MARKER TO LOCATE ON THE AXLE WHERE TO DRILL A HOLE FOR THE 3/8" BOLT. REMOVE THE BRACKET AND DRILL THE HOLE WITH A 7/16" DRILL BIT. PLACE THE BRACKETS ON THE AXLE AND FASTEN WITH THE 14MM BOLT AND THE 3/8" BOLT. TORQUE THE 14MM BOLT TO 95 FT./LBS. AND THE 3/8" BOLT TO 45 FT./LBS.



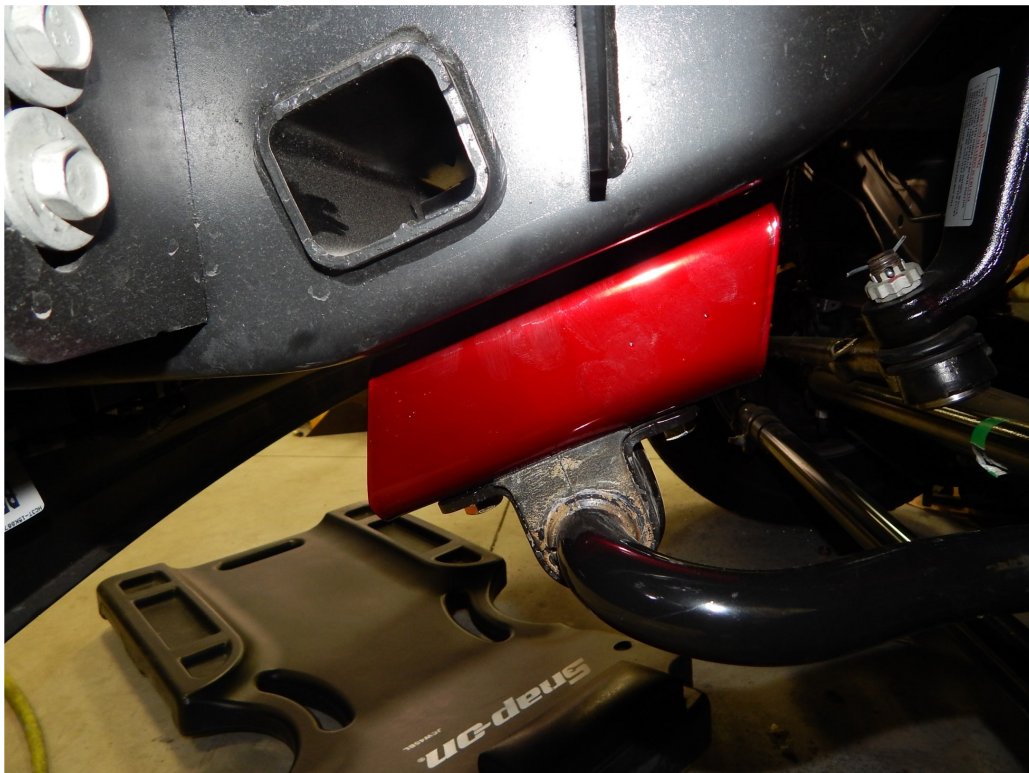
11. LOCATE THE SHOCK RELOCATION BRACKETS (PART# 69389). USE THE FACTORY SHOCK BOLT TO FASTEN INTO PLACE. TORQUE THIS BOLT TO 95 (F-450 ONLY). USE THE 1/2"-20 X 2-1/2" TO FASTEN THE SHOCK TO THE RELOCATION BRACKET. TORQUE TO 55 FT./LBS.



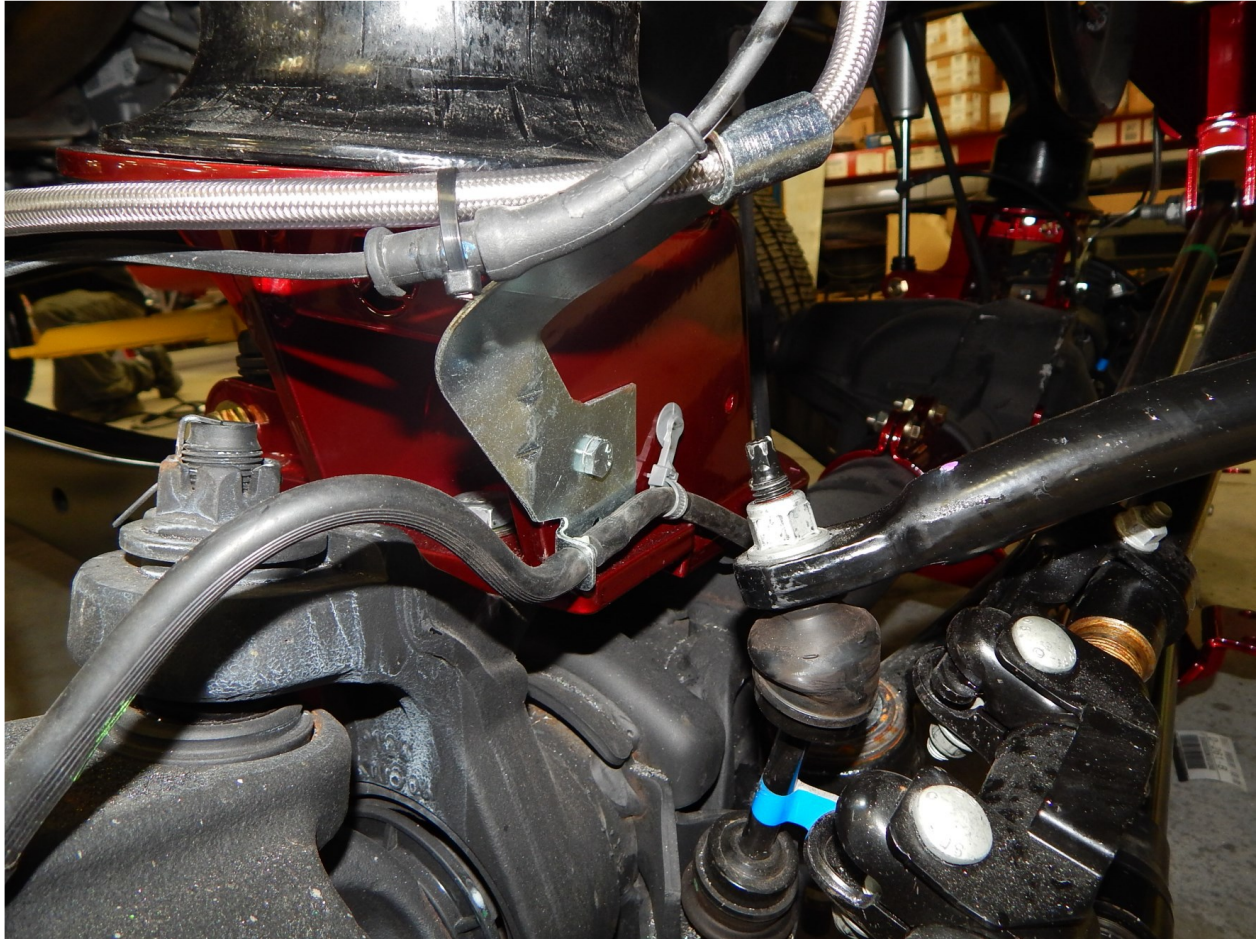
12. LOCATE THE SHOCKS. ON THE F250/F-350 THE TOP OF THE SHOCK FASTENS INTO THE ORIGINAL SHOCK LOCATION AND THE BOTTOM OF THE SHOCK FASTENS INTO THE LOWER AIR BAG MOUNT WITH THE 1/2 X 3" BOLT. TORQUE THE TOP NUT TO 35 FT./LBS. AND THE 1/2" SHOCK TO 85 FT./LBS. THE F450 TRUCKS USE THE FACTORY UPPER LOCATION AND THE BOTTOM FASTENS INTO THE SHOCK RELOCATION BRACKET. THE REMOTE RESERVOIR FASTENS TO THE RESERVOIR MOUNT WITH THE HOSE CLAMPS THAT COMES WITH THE SHOCKS.



13. LOCATE THE SWAY BAR DROPS (P/N # 69173-DS AND 69174-PS). THEY FASTEN TO THE FRAME WITH THE OEM SWAY BAR BOLTS. FASTEN THE SWAY BAR TO THE SWAY BAR DROP WITH THE 3/8" X 1-1/2" BOLTS. TORQUE THESE BOLTS TO 55 FT./LBS. RECONNECT THE SWAY BAR TO THE FACTORY END LINKS.



14. LOCATE THE NEW BRAKE LINES. THEY WILL FASTEN TO THE LOWER AIR BAG MOUNT WITH THE 1/4"-20 X 1" BOLT. YOU WILL WANT TO SHORTEN THE BRACKET AS IT DOESN'T NEED TO BE NEAR THAT LARGE. BLEED THE BRAKES ONCE THE BRAKE LINES ARE INSTALLED.

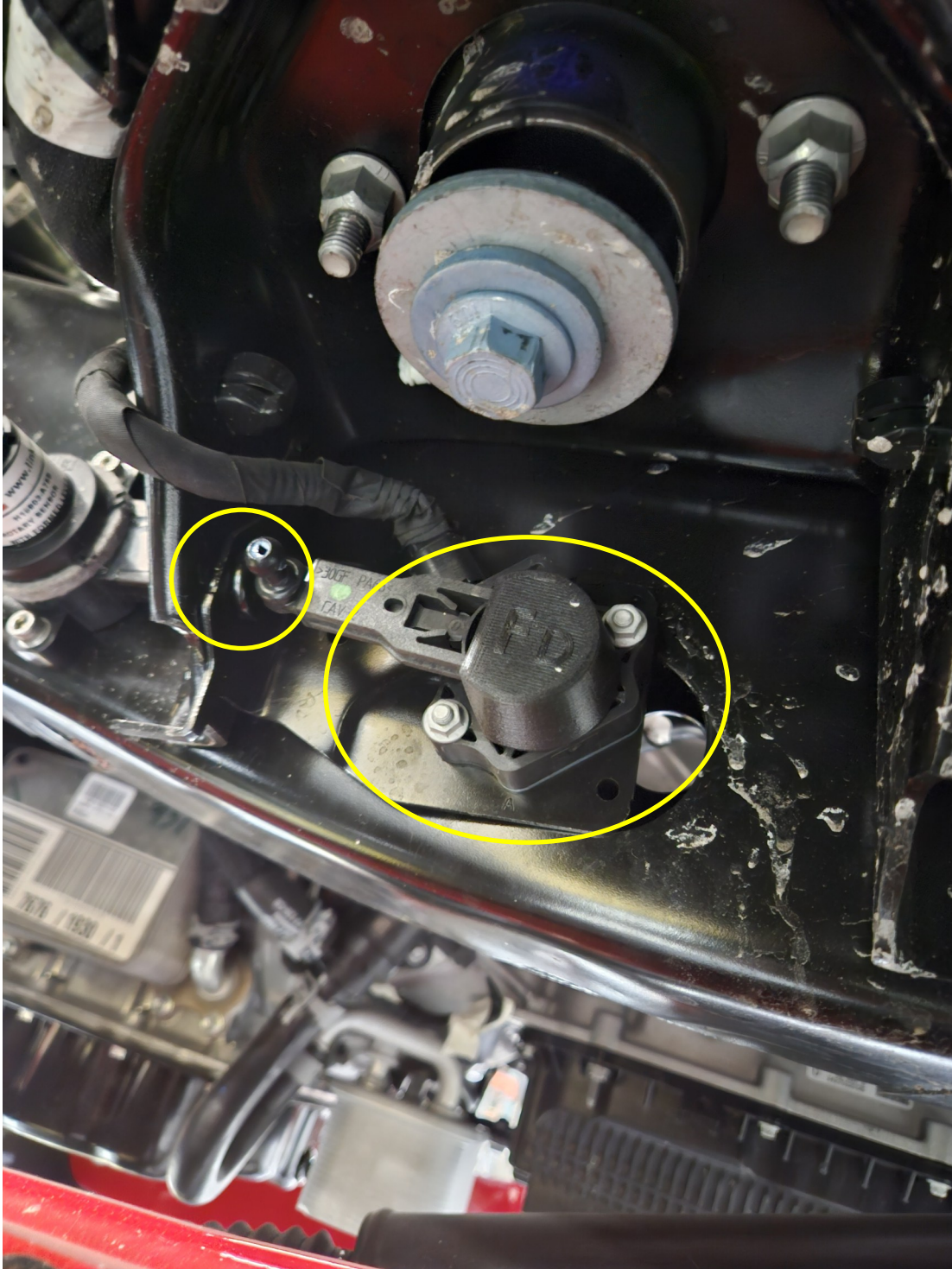


15. SET THE AIR BAGS AT 8.5" TALL. YOU CAN USE THE JACK TO DO THIS OR AIR UP THE SYSTEM. MEASURE IN BETWEEN THE UPPER AND LOWER AIR BAG MOUNTS. THIS WILL BE THE RIDE HEIGHT AND ACCORDING TO FIRESTONE, THIS IS THE "SWEET SPOT" WHERE THE AIR BAG RIDES THE SMOOTHEST. LOCATE THE MECHANICAL HEIGHT CONTROL VALVE OR ELECTRONIC SENSOR, DEPENDING ON WHAT SYSTEM YOU HAVE PURCHASED. WHEN MOUNTING THE SENSOR OR LEVELING VALVE YOU WILL HAVE TO DRILL (2) 1 3/64" HOLES AND USE A 1/4-20" TAP TO TAP INTO THE FRAME.

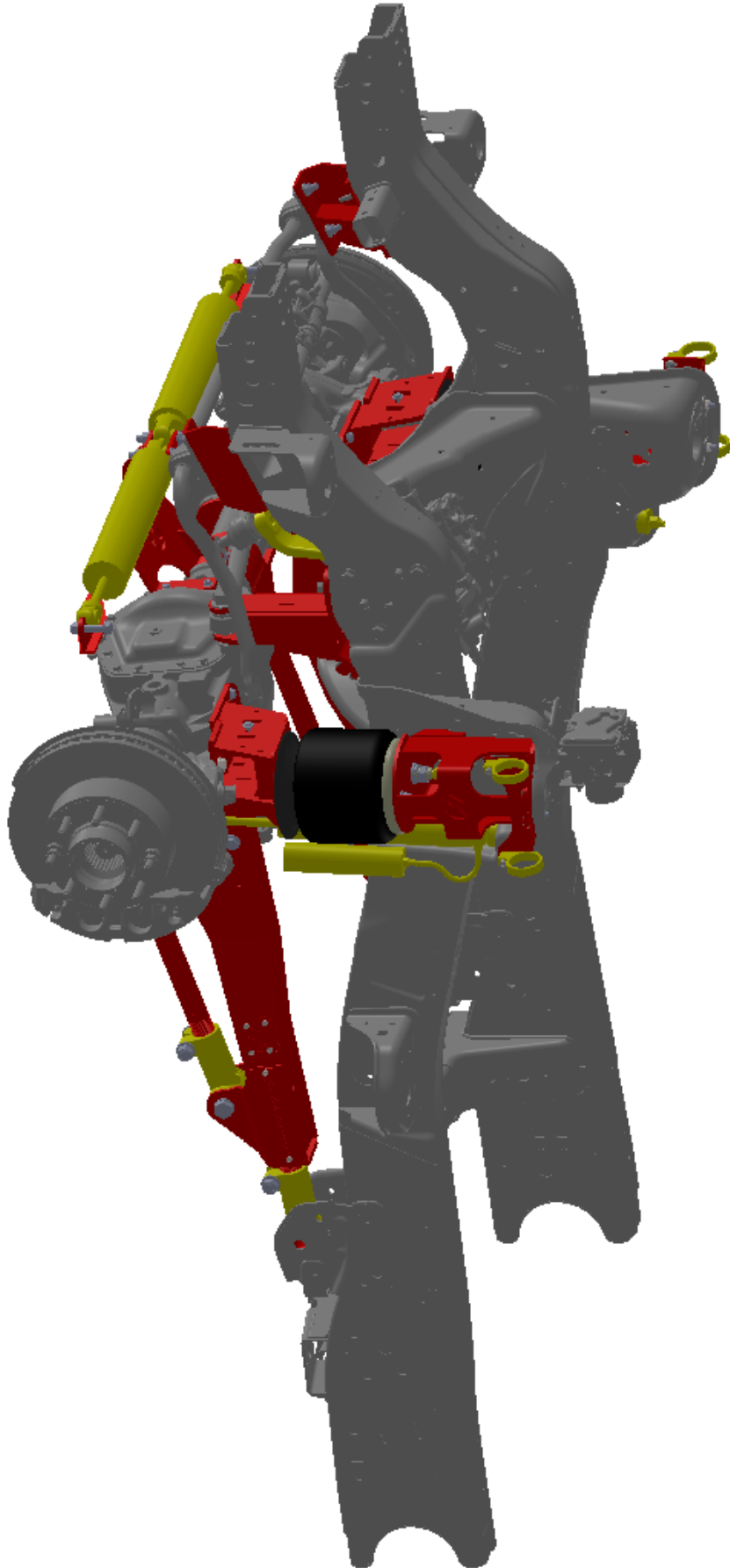


THE MECHANICAL VALVE AT RIDE POSITION. NOTE THE ARM IS STRAIGHT. BEFORE INSTALLING ROTATE THE ARM 3 TURNS EACH WAY TO GET THE INTERNAL PARTS READY FOR OPERATION. THE TOP PORT IS EXHAUST, THE BOTTOM PORT IS INPUT FROM TANK AND MIDDLE PORT IS OUT TO AIR BAGS.

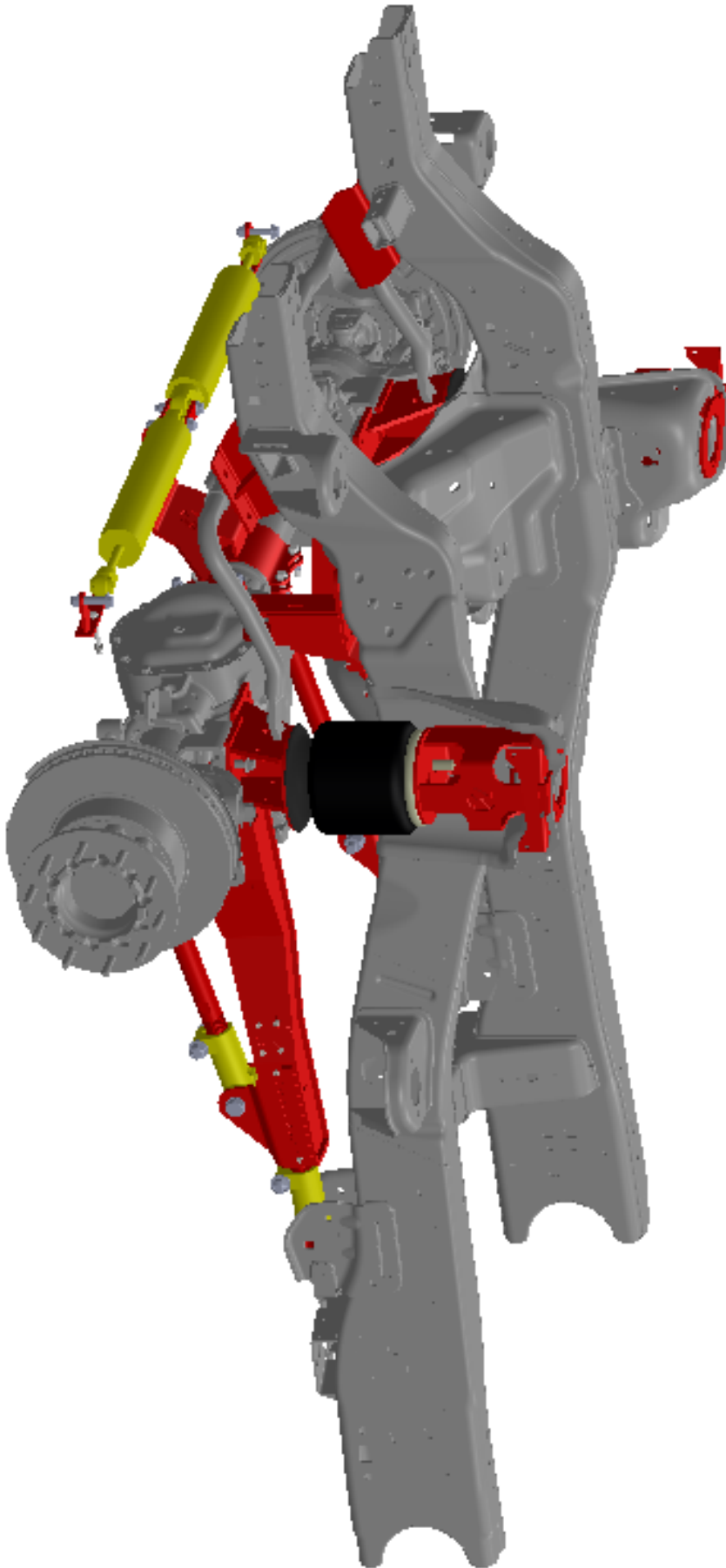
16. INSTALL FRONT SENSOR LOCK BRACKETS (#10029766). YOU WILL HAVE TO DISCONNECT AND UN-BOLT THE SENSOR AND BRACKET. YOU WILL INSTALL SENSOR LOCK OVER THE FACTORY SENSOR AND THEN FLIP THE BRACKET REARWARD USING THE EXISTING HOLE WHERE IT WAS MOUNTED FROM FACTORY.



10015169—2023+ FORD F250/350 - PICKUP - 4WD



10015956—2023+ FORD F450- PICKUP - 4WD



Check Sheet

10015169



Kit - Control Arm Front - 5-6" Lift

2023+ Ford F250/350 - Pickup - 4WD

First Chec	Quantity	Part Number	Description	Final Chec
	2	51734	Assembly - 10" CTC Height Control Ball End Linkage Rod	
	1	69174	Weldment - (PS) Front Sway Bar Bracket	
	1	69173	Weldment - (DS) Front Sway Bar Bracket	
	1	69476	Weldment - (DS) Lower Axle/Bag Mount - w/Shock Ear	
	1	69485	Weldment - (PS) Lower Axle/Bag Mount - w/Shock Ear	
	1	69497	Weldment - 4.51" PHB Drop	
	1	69557	Weldment - (DS) Upper Frame/Bag Mount	
	1	69558	Weldment - (PS) Upper Frame/Bag Mount	
	1	10014990	Weldment - Radius Arm Upper (DS)	
	1	10015012	Weldment - Radius Arm Upper (PS)	
	1	10014992	Weldment - Radius Arm Shackle (DS)	
	1	10015016	Weldment - Radius Arm Shackle (PS)	
	1	10015294	Weldment - 3/8"-24 Nut Tab - Anti Spin Flag	
	2	69566	Plate - 16ga - Logo Backing Plate - Upper Bag Mount	
	1	10003916	Plate - 14ga - (DS) Raptor Shock Reservoir Bracket - w/Bends	
	1	10003919	Plate - 14ga - (PS) Raptor Shock Reservoir Bracket - w/Bends	
	1	10015073	Plate - 14ga - Kelderman Badge (DS)	
	1	10015080	Plate 14ga - Kelderman Badge (PS)	
	2	10015074	Plate - 14ga - Badge Backer	
	2	10015078	Plate - 14ga - Circle-K Badge	
	2	10015077	Plate - 14ga - Circle-K Badge Backer	
	2	10015110	Plate - 1/4" - Washer 2.4" OD x 0.75" ID	
	2	18769	Bushing - 1" OD x .562" ID x .3" Long - Shock Spacer	
	2	52119	Trailing Arm Bar - 19" Long	
	4	10015059	Sleeve - 1-1/8" OD x 0.72" ID x 3" Long	
	2	10005	Cast Trailing Arm Knuckle (RHT) (1-1/2"-12 UNC)	
	2	10006	Cast Trailing Arm Knuckle (LHT) (1-1/2"-12 UNC)	
	2	80012-5323	Air Bag - 5323	
	1	80072	Pitman Arm - SkyJacker (FA450)	
	2	80089	Straight Air Fitting Tube 1/4"-18 NPT to 3/8" Tube	
	8	80136	Purchased Parts - Bushing - OD 1.79" ID - 11/8" Length - 17/16"	
	1	Ford118F06	Crown - Front Brake Lines (Pair) +6"	
	1	10029766	Front Sensor Lock Brackets (PS & DS) - 2023+ Ford Accessories	
	1	81466	Bolt Kit: 2023+ F250-450 5-6 Lift Front	
	2	13219	Hex Jam Nut: 1-1/2"-12 RHT - GR5 - Plain	
	1		Install Instructions	
	1		Shipping Insert	
	1		Kelderman Catalog	
	1		Kelderman Sticker	

Check Sheet **10015956**



Kit - Control Arm Front - 5-6" Lift

2023+ Ford F450 - Pickup - 4WD

First Chec	Quantity	Part Number	Description	Final Chec
	2	51734	Assembly - 10" CTC Height Control Ball End Linkage Rod	
	1	69173	Weldment - (DS) Front Sway Bar Bracket	
	1	69174	Weldment - (PS) Front Sway Bar Bracket	
	2	69389	Weldment - Shock Relocation Bracket	
	1	69460	Weldment - 3.16" Panhard Bar Drop	
	1	10014990	Weldment - Radius Arm Upper (DS)	
	1	10015012	Weldment - Radius Arm Upper (PS)	
	1	10014992	Weldment - Radius Arm Shackle (DS)	
	1	10015016	Weldment - Radius Arm Shackle (PS)	
	1	10015294	Weldment - 3/8"-24 Nut Tab - Anti Spin Flag	
	1	10015952	Weldment - (DS) Upper Bag Mount	
	1	10015953	Weldment - (PS) Upper Bag Mount	
	1	10015954	Weldment - (DS) Lower Bag Mount	
	1	10015955	Weldment - (PS) Lower Bag Mount	
	2	69566	Plate - 16ga - Logo Backing Plate - Upper Bag Mount	
	1	10015073	Plate 14 ga - Kelderman Badge (DS)	
	2	10015074	Plate 14 ga - Badge Backer	
	2	10015077	Plate 14 ga - Circle-K Badge Backer	
	2	10015078	Plate 14 ga - Circle-K Badge	
	1	10015080	Plate 14 ga - Kelderman Badge (PS)	
	2	10015110	Plate 1/4" - Washer 2.4" OD x 0.75" ID	
	1	10016008	Plate - 14ga - Raptor Shock Reservoir Bracket (DS)	
	1	10016009	Plate - 14ga - Raptor Shock Reservoir Bracket (PS)	
	2	52119	Trailing Arm - 19" Long	
	4	10015059	Sleeve - 1.125" OD x 0.72" ID x 3" Long	
	2	10005	Trailing Arm Knuckle 10005 (RHT) - No Sleeve	
	2	10006	Trailing Arm Knuckle 10006 (LHT) - No Sleeve	
	2	80012-5323	Air Bag - Firestone 5323	
	2	80089	Straight Air Fitting Tube 1/4"-18 NPT to 3/8" Tube	
	1	10007721	Pitman Arm - Flipped Taper (PC3Z-3590-D)	
	8	80136	Poly Bushing - Top Hat - 1.79"OD x 1-1/8"ID x 1-7/16"L - Trailing Arm	
	1	Ford118F06	Front Brake Line Kit - Stock +6 - DAL 36.5"	
	1	81466	Bolt Kit: 2023+ F250-450 5-6 Lift Front	
	1	10029766	Front Sensor Lock Brackets (PS & DS) - 2023+ Ford Accessories	
	2	13219	Hex Jam Nut: 1-1/2"-12 RHT - GR5 - Plain	
	1		Install Instructions	
	1		Shipping Insert	
	1		Kelderman Catalog	
	1		Kelderman Sticker	

Notes

CONTACT INFORMATION

KELDERMAN MANUFACTURING APPRECIATES YOUR BUSINESS. WE STRIVE TO MEET THE NEEDS OF OUR CUSTOMERS BY PROVIDING THE HIGHEST QUALITY PRODUCTS. IF YOU HAVE ANY QUESTIONS CONCERNING OUR PRODUCTS PLEASE CALL OR EMAIL US AT THE FOLLOWING:

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