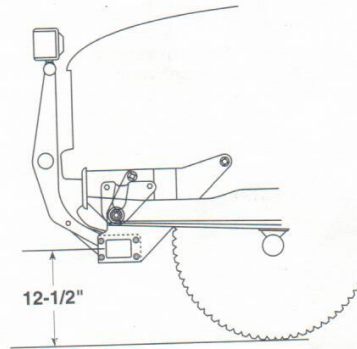


# 1999-2000 FORD F-450 & F-550 SERIES UNDERCARRIAGE



The recommended push beam height for all undercarriage assemblies is 12-1/2" from the center of the push beam to level ground. DO NOT exceed 14" in height for any undercarriage.



**WARNING:** Most new trucks are equipped with driver and passenger's side air bags. DO NOT remove, disable, or reposition any sensory equipment related to the safe operation of the air bags.

ALWAYS follow the vehicle manufacturer's recommendations for installing snowplowing equipment.

Failure to comply with the above warning may result in serious injury or death.

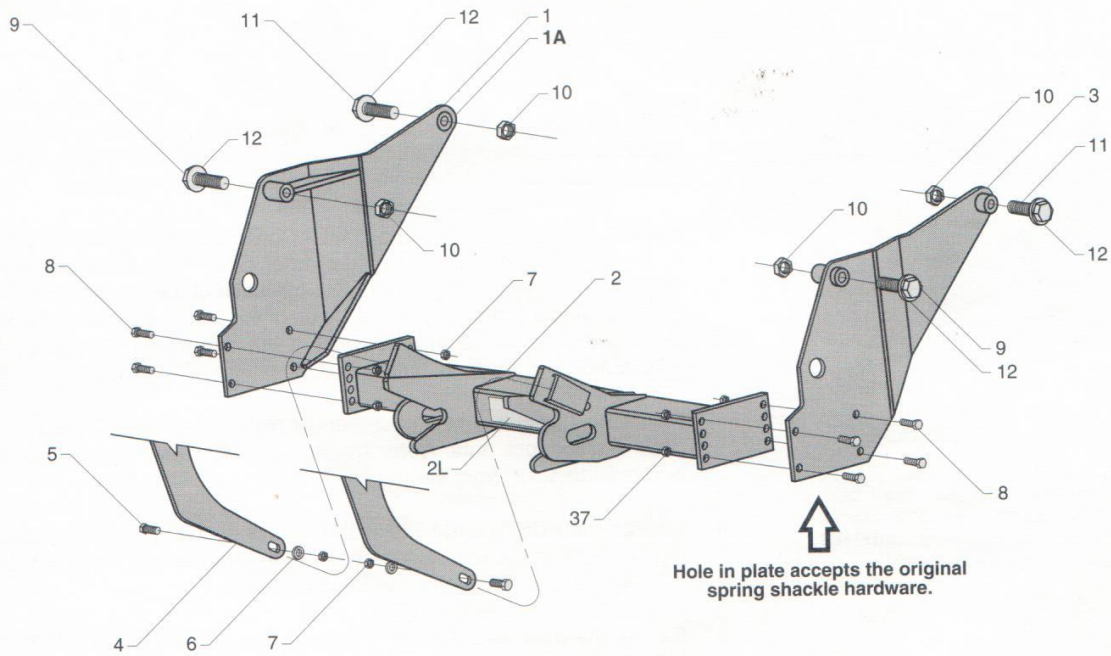


**CAUTION:** If your vehicle is equipped with oversize tires, they may come into contact with the undercarriage hanger plates when turning the vehicle.

The problem may be resolved by setting the steering stops on the vehicle. If this does not correct the problem, the original tires will need to be installed on the vehicle.

1. Begin the assembly by positioning the DRIVER'S SIDE HANGER PLATE on the outside of the truck frame rail and in front of the shock mount. In this position, the plate will locate above the front spring shackle. Attach one 5/8"-11 x 3" bolt and washer through the top rear mount. Secure the bolt with one 5/8" top lock nut. *Note: There are two original openings cut into the frame rail. Use the rear opening to position a top lock nut for the 3" bolt inserted in the front opening.*
2. Position one 5/8"-11 x 4-1/2" bolt and washer through the top front mount. Use a 1" box end wrench to position one 5/8" top lock nut through the truck frame rail opening at the tow hook and securely fasten.
3. Repeat both of the procedures above for the PASSENGER'S SIDE HANGER PLATE.
4. Mount the PUSH BEAM to each hanger plate using four 1/2"-13 x 2" bolts and top lock nuts. *Note: The proper height for the push beam is approximately 12" from the ground to the center of the beam.*
5. Once all of the undercarriage plates have been positioned and the proper push beam height is set, proceed to tighten all top locking nuts. Reference the chart on page 4 for maximum bolt torque.
6. Position the LIGHT TOWER into the accepting pockets on the push beam and tighten using two 1/2"-13 x 1-1/4" bolts with washers. Secure each bolt with a 1/2" top locking nut. Mount each PLOW HEADLIGHT to the light tower with the hardware kit provided.

Complete the assembly by plugging the connectors from the lights into the connectors on the vehicle wire harness.



1999-2000 FORD F-450 & F-550 SERIES UNDERCARRIAGE PARTS LIST			
Ref. No.	Part No.	Qty.	Part Description
1A	31037	1	1999-2000 Ford F-450 & F-550 Series Undercarriage Assembly (Nos. 1 - 12)
1	31027	1	Passenger's Side Hanger Plate (1999-2000 Ford F-450 & F-550)
2	31032	1	46" Push Beam (1999-2000 Ford F-450 & F-550)
2L	61085	1	2-1/8" x 13-1/8" Push Beam Decal
3	31026	1	Driver's Side Hanger Plate (1999-2000 Ford F-450 & F-550)
4	39032	1	Light Tower, Round Mounting Tube
5	61057	2	1/2"-13 x 1-1/4" Grade 8 YZ Hex Head Cap Screw
6	61026	2	1/2", 1-1/16" O.D., 17/32" I.D. YZ SAE Mil-Carb High-Strength Washer
7	61020	10	1/2"-13 Grade C Z Top Lock Nut
8	61018	8	1/2"-13 x 2" Grade 8 YZ Hex Head Cap Screw
9	61065	2	5/8"-11 x 4-1/2" Grade 8 YZ Hex Cap Screw
10	61063	4	5/8"-11 Grade C Z Top Lock Nut
11	61066	2	5/8"-11 x 3" Grade 8 YZ Hex Cap Screw
12	61064	4	5/8", 1-5/16" O.D., 21/32" I.D., YZ SAE Mil-Carb High-Strength Washer
N/A	61081	1	1999-2000 Ford F-450 & F-550 Series Undercarriage Hardware Kit - Kit Includes: Nos. 5 -12

Note: The reference numbers listed identify parts shown in the illustration above. These numbers are specific to this illustration only and do not correspond with other diagrams in the manual. Always review the part number given for proper component identification.