



SECTION 5. TOW BAR (OPTIONAL)

WARNING: STAY OUT FROM UNDER THE TOW BAR AND CHIP SPREADER WHEN THEY ARE RAISED AND SUPPORTED BY THE HYDRAULIC LIFT CYLINDER. DEATH OR PERSONAL INJURY MAY OCCUR.

NOTE: THE OPTIONAL TOW BAR CAN ONLY BE USED ON 2-WHEEL DRIVE MODELS.

51. Position the tow bar on a hard, flat surface.
52. Using the "trailer" jack, disconnect the tow bar from the pickup or dump truck and lower the tow bar, raising the tires off the ground as shown in Figure 0-1.
53. Remove the tow bar tires and stow them in the tow bar (Figure 0-2).
54. Carefully drive the chip spreader up to the tow bar, centering it for attachment (Figure 0-3).

WARNING: THE CHIP SPREADER ENGINE MUST BE SHUT DOWN WHILE DISCONNECTING OR RECONNECTING HYDRAULIC HOSES. DEATH OR PERSONAL INJURY MAY OCCUR.

55. Connect the long 1/4 inch hydraulic hoses on the tow bar to the quick disconnects located on the street side of the front spread hopper. The tow bar valve controls the tow bar lift cylinder.
56. Position the wood blocks (5 in. X 8 in. X 48 in.) in front of the chip spreader as shown in Figure 0-3.
57. Raise the tow bar with the hydraulic lift cylinder as shown in Figure 0-3.
58. Carefully drive the chip spreader onto the wood blocks, keeping the tow bar centered (Figure 0-5).

NOTE: A LARGE PRY-BAR IS HELPFUL IN ALIGNING THE PINS.

59. Adjust the pin-eye height with the lift cylinder and install the coupling pins and safety pins (Figure 0-4 and Figure 0-5).

CAUTION: DO NOT USE THE TRAILERING JACK TO RAISE THE CHIP SPREADER. DAMAGE TO THE TRAILERING JACK MAY OCCUR.

60. Raise the chip spreader and the tow bar with the hydraulic lift cylinder until the front chipper tires are at least 10 inches off the ground (Figure 0-6).
61. Adjust the pintle eye to match the towing vehicle (Figure 0-7). Torque the pintle eye bolts to 300 FT-LB.
62. Couple the tow bar to the towing vehicle.
63. Remove the wood blocks from under the chip spreader.



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64. Make the air and light connections at each end of the tow bar (Figure 0-5 and Figure 0-8).
65. Change the air valve to the "Towing" position (located near the air glad-hand connection at the rear of the tow bar on the chip spreader).
66. Check the air brake operation from the towing vehicle, ensuring the rear brakes on the chip spreader function with the towing vehicle brakes.
67. Check all signal, brake and tail lights. Ensure they coordinate with the towing vehicle lights.
68. Attach the safety chains (2) to the towing vehicle (Figure 0-8 and Figure 0-9).
69. Double check the safety pins on the coupling pins at the rear of the tow bar (Figure 0-4).

Towing Requirements

WARNING: FAILURE TO COMPLY WITH THE FOLLOWING MINIMUM TOWING REQUIREMENTS COULD RESULT IN ACCIDENTAL SEPARATION OF THE CHIP SPREADER FROM THE TOW VEHICLE WHILE IN TRANSIT, CAUSING A POTENTIALLY DEADLY SITUATION.

70. The towing vehicle must be three axle, ten wheel (minimum) with a GVW of 52,000 lb. minimum (40,000 RAWR, 12,000 FAWR).
71. The pintle hook must be rated at 80,000 lb. towing capacity and 15,000 lb. vertical load minimum (Figure 0-8). The pintle must be mounted no more than 56 inches rear of the tandem suspensions trunion (Figure 0-9).
72. A combination hitch X-member complete with pintle and chipper hook bar can be supplied by BearCat (Part No. BRK-50960, Hitch and Hook Bar Assembly, MSC-50960 Premier 580 solid pintle coupling).

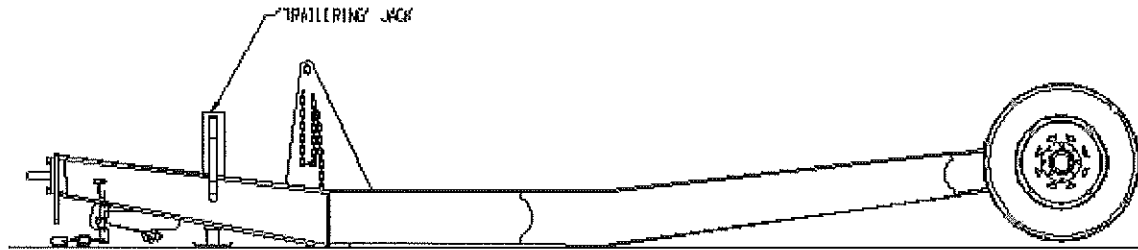


Figure 0-1. Tow Bar

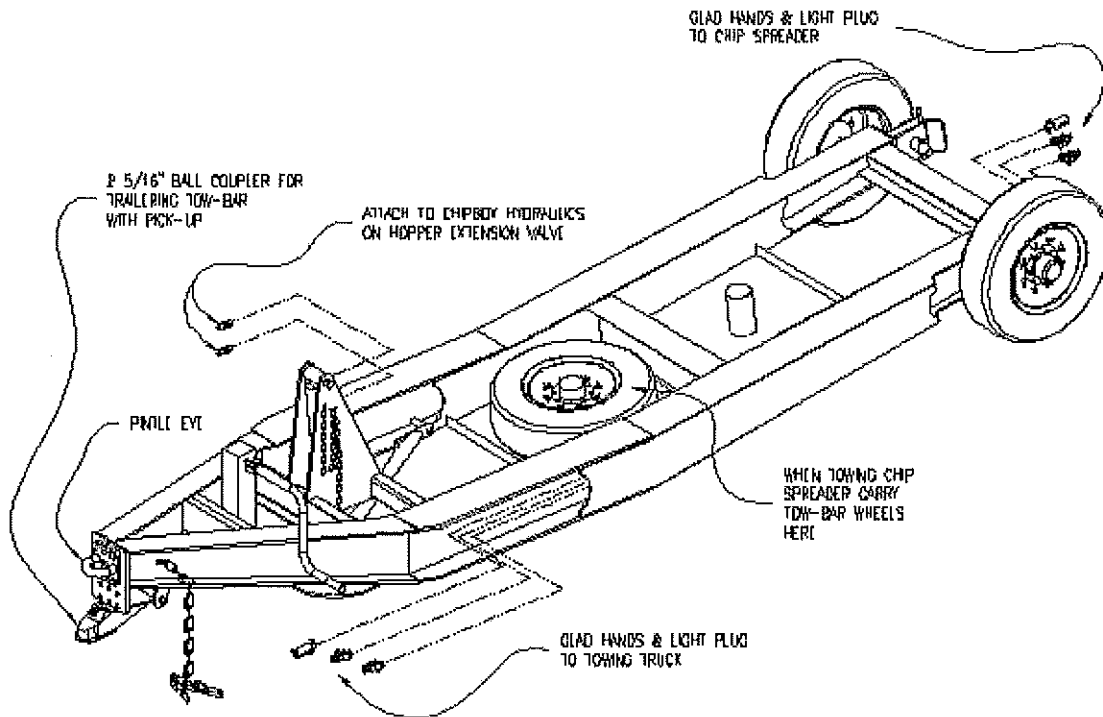
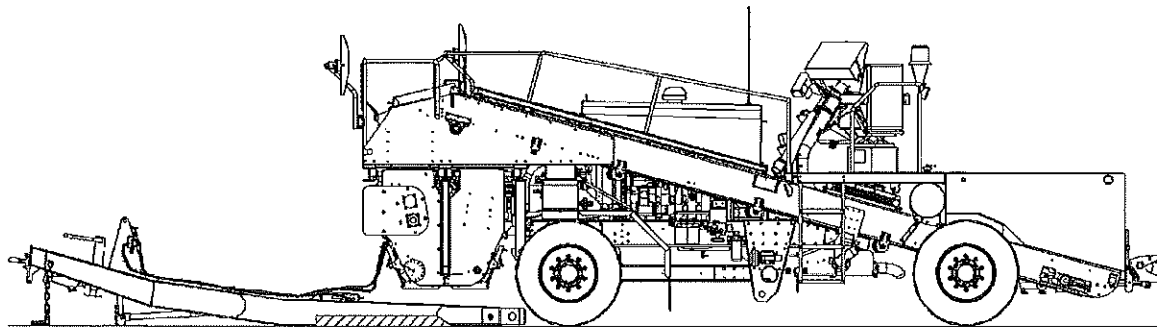


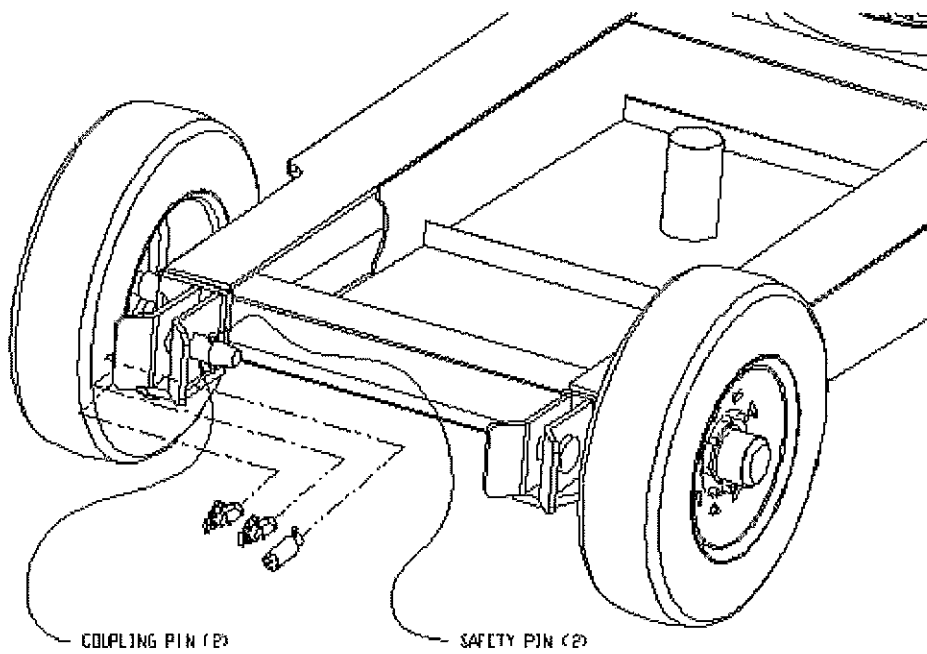
Figure 0-2. Wheel Placement and Removal Position



WOOD BLOCK

V01790

Figure 0-3. Position No. 1 Loading Chip Spreader



COUPLING PIN (2)

SAFETY PIN (2)

Figure 0-4. Rear View, Coupling Pins

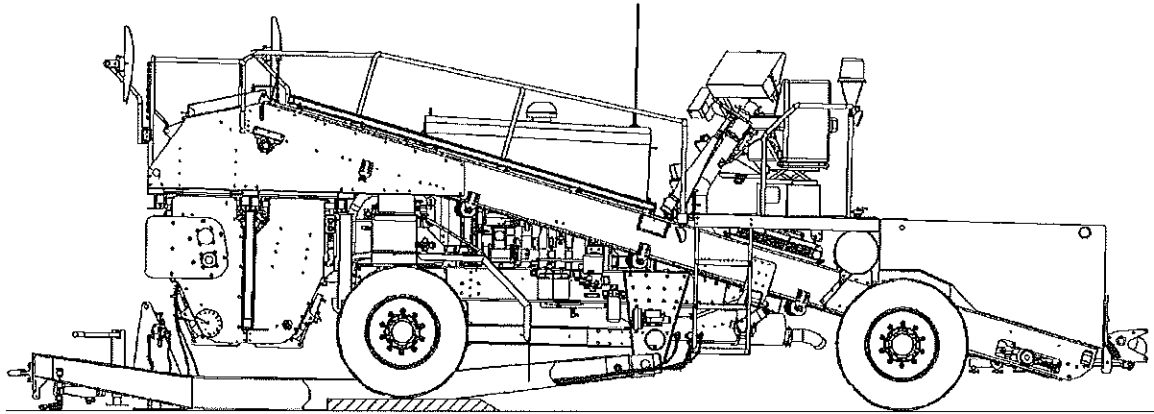


Figure 0-5. Position No. 2 Loading Chip Spreader

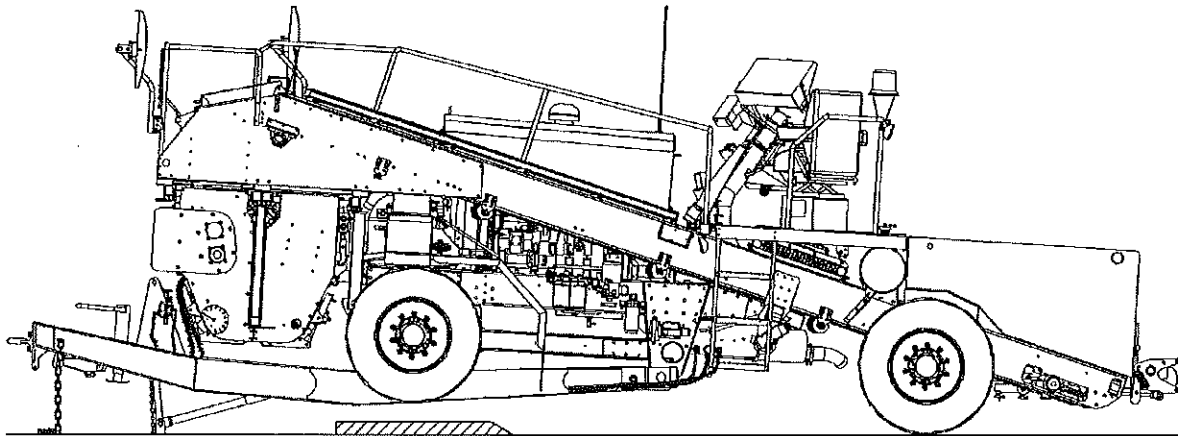


Figure 0-6. Position No. 3 Loading Chip Spreader

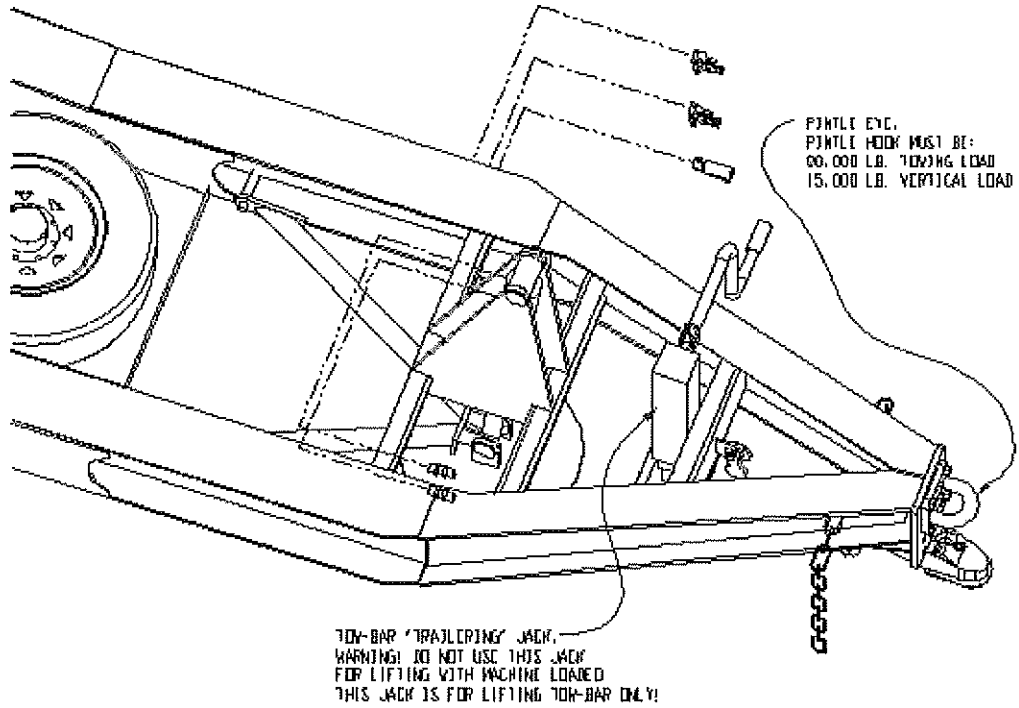


Figure 0-7. "Trailing" Jack and Pintle Eye

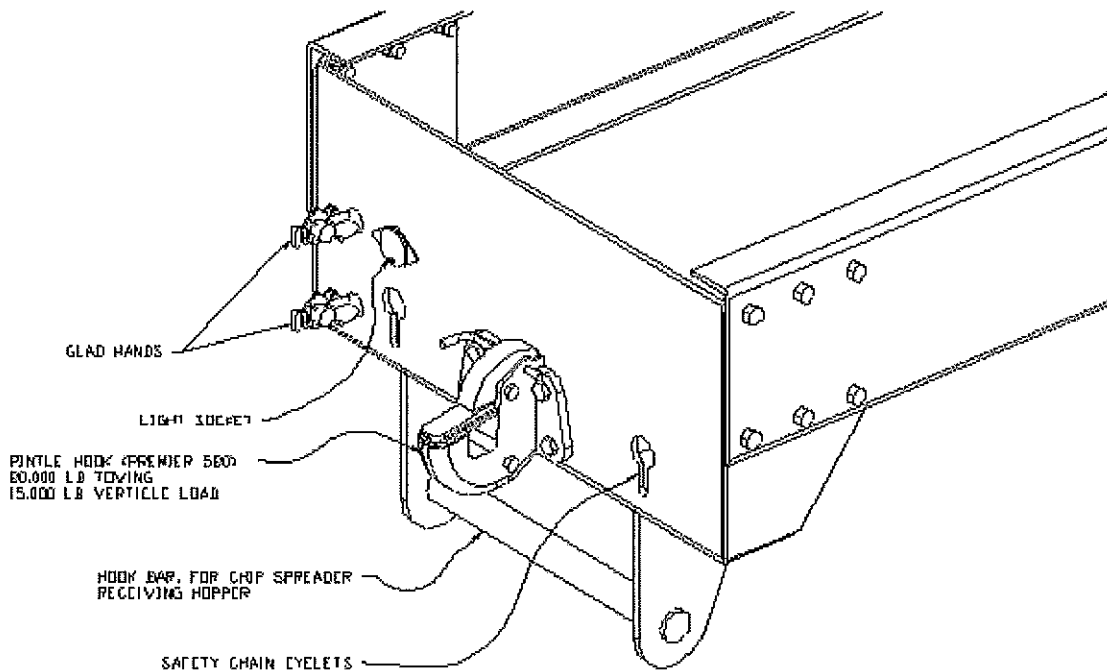


Figure 0-8. Truck Hitch and Hookups

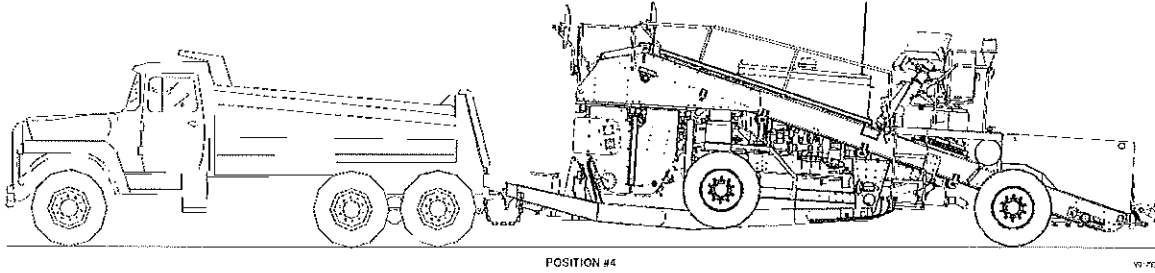


Figure 0-9. Position No. 4 Loading Chip Spreader