



# Fire Protection Training

Procedures Handbook 4300

MOBILE EQUIPMENT

**TOPIC:** How To Connect The Removable Gooseneck To A Drop Frame Trailer

**LEVEL OF INSTRUCTION:** II

**TIME FRAME:** 45 Minutes

**BEHAVIORAL OBJECTIVE:**

*Condition:* A CDF tractor and drop frame trailer with removable gooseneck, heavy equipment (dozer, grader, loader)

*Behavior:* The student will demonstrate the connection and reattachment procedures for the gooseneck of a drop frame trailer with equipment loaded on the trailer bed while in full wildland fire personal protective equipment.

*Standard:* With a minimum 70% accuracy, according to the job breakdown

**MATERIALS NEEDED:**

- CDF tractor
- Drop frame trailer
- Equipment (dozer, loader, grader)
- Gloves

**REFERENCES:** None

**PREPARATION:** The removable gooseneck trailer is utilized by CDF in all areas of the State. As a Heavy Fire Equipment Operator with the department it is imperative that you learn the proper technique for connecting the gooseneck section. If done improperly, the results could severely damage equipment or severely injure personnel. At the very least, learning this procedure properly could save you lots of embarrassment.



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HOW TO CONNECT A DROP  
FRAME TRAILER WITH  
REMOVABLE GOOSENECK

## OPERATIONS

## KEY POINTS

- | OPERATIONS                          | KEY POINTS   |
|-------------------------------------|--|
| 1. Inspect and clean trailer        | 1a. At gooseneck receiving area<br>b. Removing dirt or other material  |
| 2. Put on gloves                    |  |
| 3. Unlock safety pin latch          | 3a. To allow pin to lock in during hookup  |
| 4. Step into tractor cab            | 4a. Using grab handles<br>b. Using steps provided  |
| 5. Start engine                     |  |
| 6. Shift transmission into gear     | 6a. Forward or reverse   |
| 7. Release spring brake             | 7a. While holding foot on tractor brake  |
| 8. Position tractor                 | 8a. In front of trailer<br>b. Aligning tractor with trailer<br>c. Rear of tractor facing trailer                                       |
| 9. Back tractor                     | 9a. Towards trailer<br>b. Aligning gooseneck with trailer<br>c. Connecting gooseneck to trailer<br>d. Until safety latch pin is locked |
| 10. Set spring brake                |  |
| 11. Shift transmission into neutral |  |
| 12. Step out of tractor cab         | 12a. Using hand holds<br>b. Using steps provided   |
| 13. Check safety pin latch          | 13a. Assure it is fully locked   |
| 14. Remove wood or metal spacer     | 14a. From between gooseneck and rails  |
| 15. Pull 5th wheel lock handles     | 15a. Unlocking trailer gooseneck from 5th wheel<br>b. Pulling front and rear handles   |



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## OPERATIONS

## KEY POINTS

- |  |   |
|--|---|
| 16. Step into tractor cab                | 16a. Using grab handles<br>b. Using steps provided  |
| 17. Shift transmission into forward gear | 17a. Low gear<br>b. Low range   |
| 18. Release spring brake                 | 18a. While holding foot on tractor brake  |
| 19. Drive tractor forward                | 19a. Lowering gooseneck onto trailer<br>b. Disconnecting gooseneck from tractor<br>c. 12 - 15 feet from trailer |
| 20. Set spring brake                     |   |
| 21. Shift transmission into neutral      |   |
| 22. Step out of tractor cab              | 22a. Using grab handles<br>b. Using steps provided  |
| 23. Remove trailer latch plate gloves    | 23a. From behind latch plates<br>b. From both sides of trailer  |
| 24. Slide latch plates back              | 24a. Over trailer pins<br>b. On both sides of trailer   |
| 25. Replace trailer latch plate gloves   | 25a. In front of latch plates<br>b. Locking latch plates over pins  |
| 26. Step into tractor cab                | 26a. Using grab handles<br>b. Using steps provided  |
| 27. Shift transmission into reverse      |   |
| 28. Release spring brake                 | 28a. While holding foot on tractor brace  |



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29. Back tractor

29a. Towards trailer

b. Aligning gooseneck rollers with tractor rails

c. Rolling gooseneck rollers on trailer rails

d. Until 5th wheel locks

30. Check 5th wheel lock

30a. Pulling forward slightly

b. To assure 5th wheel is locked

31. Set spring break

32. Shift transmission into neutral

33. Step out of tractor cab

33a. Using grab handles

b. Using steps provided

34. Hook-up trailer air lines

34a. Between gooseneck and trailer

35. Hook-up trailer electrical line

35a. Between gooseneck and trailer

36. Hook-up tractor air lines

36a. Between tractor and gooseneck

37. Hook-up tractor electrical line

37a. Between tractor and gooseneck

38. Check trailer light function

38a. Checking stop lights

b. Checking turn signal lights

c. Checking clearance lights

39. Step into tractor cab

39a. Using grab handles

b. Using steps provided

40. Shift transmission into forward gear

40a. Low gear

b. Low range

41. Release spring brake

41a. While holding foot on tractor brake

42. Charge trailer brakes

42a. Pushing in on trailer protection valve



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43. Set trailer brakes

44. Test trailer brakes

43a. Pulling forward slightly

b. Assuring trailer brakes operate



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## ***APPLICATION:***

Student will practice the skill while being supervised and coached by the instructor.

## ***EVALUATION:***

Manipulative performance test.

## ***ASSIGNMENT:***

None.