



Fire Protection Training

Procedures Handbook 4300

MOBILE EQUIPMENT

TOPIC: How To Disconnect The Removable Gooseneck From 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 disconnect and detachment procedures for a removable gooseneck 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 and drop frame trailer
- Equipment (dozer, loader, grader)

REFERENCES:

- Trailer manufacturer's manual

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 disconnecting 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 DISCONNECT THE
GOOSENECK FROM A DROP
FRAME TRAILER

OPERATIONS

KEY POINTS

- | OPERATIONS | KEY POINTS |
|--|--|
| 1. Park transport | 1a. On level ground
b. Aligning tractor and trailer
c. In a safe location
d. With access for dozer on all sides |
| 2. Set spring brake | 2a. Manually setting tractor protection valve (older International models) |
| 3. Shift transmission into neutral | |
| 4. Step out of tractor cab | 4a. Using grab handles
b. Using steps provided |
| 5. Put gloves on hands | |
| 6. Pull 5th wheel lock handles | 6a. Unlocking 5th wheel from trailer
b. Pulling front and rear lock handles |
| 7. Disconnect tractor airlines | 7a. From trailer gooseneck |
| 8. Disconnect tractor electrical line | 8a. From trailer gooseneck |
| 9. Secure service lines to tractor | 9a. Securing to back cab holders |
| 10. Step into tractor cab | 10a. Using grab handles
b. Using steps provided |
| 11. Shift transmission into forward gear | 11a. Low gear
b. Low range |
| 12. Release spring brake | 12a. While holding foot on tractor brake |
| 13. Drive tractor forward | 13a. Slowly
b. 12-15 feet
c. Disconnecting trailer from tractor
d. Until trailer is resting on ground |
| 14. Set spring brake | |
| 15. Shift transmission into neutral | |



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16. Step out of tractor cab
17. Disconnect and secure gooseneck service lines
18. Pull out trailer gloves
19. Slide latch plates forward
20. Replace trailer gloves
21. Step into tractor cab
22. Shift transmission into reverse
23. Release spring brake
24. Back tractor towards trailer gooseneck
25. Shift transmission into forward gear
26. Set spring brake
27. Shift transmission into neutral
28. Step out of cab

- 16a. Using grab handles
 - b. Using steps provided
- 17a. Air and electrical
 - b. From trailer
 - c. Securing to side of gooseneck
 - d. Held out of dirt
- 18a. From the front of latch plate
 - b. From both sides of trailer
 - c. One side at a time
- 19a. Fully off trailer pin
 - b. From both sides of trailer
- 20a. Behind latch plates
 - b. Holding latch plates away from trailer pins
- 21a. Using grab handles
 - b. Using steps provided
- 23a. While holding foot on tractor brake
- 24a. Aligning gooseneck rollers with tractor rails
 - b. Rollers following tractor rails
 - c. Until gooseneck and 5th wheel lock
- 25a. Pulling forward slightly
 - b. Assuring 5th wheel is locked
- 28a. Using grab handles
 - b. Using steps provided



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29. Pull trailer safety latch pin

29a. Pulling handle

b. On side of trailer

c. Locking safety latch pin in open position

30. Place spacer on tractor rails

30a. Wedging spacer between gooseneck and rails

b. Using a wood 4X4 or metal bar

31. Step into cab

31a. Using grab handles

b. Using steps provided

32. Release spring brake

32a. While holding foot on tractor brake

33. Shift transmission into reverse

33a. Backing up slightly

b. Releasing safety latch pin

34. Shift transmission into forward

34a. Low gear

b. Low range

35. Pull tractor forward

35a. Clearing trailer path

b. Allowing room for loading and unloading of equipment

36. Park tractor

36a. Transmission in gear

b. Engine shut-off

c. Windows rolled-up

d. Safe location

37. Set spring brake

38. Step out of tractor cab

38a. Using grab handles

b. Using steps provided

39. Chock tractor

39a. According to CDF policy

40. Cut safety zone with dozer

40a. Around tractor

b. Around trailer One blade wide



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APPLICATION:

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

EVALUATION:

Manipulative performance test.

ASSIGNMENT:

None.