



Fire Protection Training

Procedures Handbook 4300

MOBILE EQUIPMENT

TOPIC: How To Winch An Object With A Dozer

TIME FRAME: 1:00

LEVEL OF INSTRUCTION: II

BEHAVIORAL OBJECTIVE:

Condition: A dozer with a winch, a winch object and an assistant

Behavior: The student will demonstrate the working knowledge of a dozer winch while in full wildland fire personal protective clothing

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

MATERIALS NEEDED:

- 1 Set full wildland PPE
- Dozer with winch
- Equipment to be winched
- An assistant with protective clothing including gloves
- Winch hand signal instructions

REFERENCES: None

PREPARATION:

On many occasions the dozer is utilized to pull out fire equipment that has become stuck or that is out of service. The winch is a valuable tool but it can present some extreme dangers and damage equipment if not utilized properly. Dozer operators must be familiar with the operation of the winch and the safety procedures to follow when winching various types of equipment

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HOW TO WINCH AN OBJECT WITH A DOZER

OPERATIONS

KEY POINTS

- | | |
|---|--|
| 1. Park dozer | 1a. On firm ground
b. Away from cliffs or overhangs
c. Rear of dozer facing object to be winched |
| 2. Lock dozer brakes | |
| 3. Position dozer blade | 3a. Stabilizing dozer
b. Wedging against stable object |
| 4. Establish safety zones | 4a. Moving all personnel and equipment out of cable bite
b. Distance between dozer winch and object to be winched
c. Equal in all directions |
| 5. Direct assistant to grasp cable end | 5a. Assistant wears gloves |
| 6. Spool out winch cable | 6a. Slowly
b. Evenly |
| 7. Direct assistant to pull cable | 7a. Pulling while cable is spooled out |
| 8. Directs assistant to connect cable to object | 8a. Connecting to strong location
b. Avoiding damage to object |
| 9. Reposition dozer | 9a. Aligning dozer with winch object
b. Creating a straight pull
c. Assuring level spooling
d. Preventing cable damage |

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OPERATIONS	KEY POINTS
10. Establish communication method with assistant	10a. Hand signals b. Radio communications
11. Position Assistant	11a. In visual contact with dozer operation b. In safe location
12. Engage winch	12a. Pulling winch lever b. Operator remaining in dozer
13. Control speed of cable spooling	13a. Engine RPM b. Lever operations
14. Reposition dozer	14a. Shifting form side to side b. Assisting spooling of cable c. Cable spooled on evenly
15. Check winch object	15a. During winching process b. Assuring no damage c. For obstructions in winch path
16. Position winch object	16a. To level ground b. To location of need c. In stable position
17. Disconnect winch cable	17a. From winch object
18. Spool cable onto winch	18a. Spooling excess cable onto winch

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OPERATIONS

KEY POINTS

18b. Assistant holding cable end



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SUMMARY:

Students will practice the skill while supervised and coached by the instructor.

EVALUATION:

Manipulative performance test.

ASSIGNMENT:

None