



Fire Protection Training

Procedures Handbook 4300

MOBILE EQUIPMENT

TOPIC: Chock Blocks, Seat Belts, and Roll Bars

TIME FRAME: 30 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will list or describe CDF policy and procedures for utilizing chock blocks, seat belts, and roll bars.

Standard: With a minimum of 70% accuracy

MATERIALS NEEDED:

- CDF engine with chock blocks
- Seat belts and roll bars
- Audio visuals
- Appropriate audio visual equipment

REFERENCES:

- CDF, Mobile Equipment Management Procedures Handbook, (6700)

PREPARATION:

CDF has installed chock blocks, seat belts, and roll bars on engines to reduce the number of serious or fatal injuries. In order for these safety devices to work they must be used.



Fire Protection Training

Procedures Handbook 4300

CHOCK BLOCKS, SEAT BELTS,
AND ROLL BARS

PRESENTATION	APPLICATION
<p>I. CHOCK BLOCK - CABLE TYPE</p> <p>A. Parts</p> <ol style="list-style-type: none">1. Chock blocks2. Aircraft cable (30 1/2" long)3. Cable hook4. Grab bar (handle)5. Anchor or hook-eye<ol style="list-style-type: none">a. Attached to truck body for cable hook <p>B. CDF Policy on Using:</p> <ol style="list-style-type: none">1. Whenever vehicle is parked2. Always use both chocks3. Chock rear tires only4. Chock outside tires if vehicle equipped with rear duals5. Always connect hook to anchor when chocks are used6. On level ground, set chocks at both front and rear of driver's side rear tire7. On a slope, place both chocks on the Downhill side	<p>Fix-N-Fax #12</p> <p>Information sheet #1</p> <p>Information sheet #2</p> <p>Information sheet #3</p>



Fire Protection Training

Procedures Handbook 4300

CHOCK BLOCKS, SEAT BELTS,
AND ROLL BARS

PRESENTATION	APPLICATION
<ul style="list-style-type: none">a. One on driver's sideb. One on passenger's side <p>8. On a steep slope, "set" chocks.</p> <ul style="list-style-type: none">a. After chocks are down and cables are attached, operator should slowly and carefully let engine roll into the chocks, allowing the leading edge of the chock to dig into the soil. <p>C. Care and Maintenance</p> <ul style="list-style-type: none">1. Keep all rough edges filed smooth.2. Keep rust free and painted.3. Replace damaged cables and chock blocks as necessary.4. Cables MUST NOT BE permanently removed.5. Keep chocks clean6. Inspect chocks regularly <p>D. Safety</p> <ul style="list-style-type: none">1. Always wear gloves when placing or removing chock blocks.2. Do not place or remove chocks until the operator tells you to.3. Always grasp handles. Never put fingers or thumb where tire will rest.	<p>Chocks should be able to support full weight of engine without brakes applied</p>



Fire Protection Training

Procedures Handbook 4300

CHOCK BLOCKS, SEAT BELTS,
AND ROLL BARS

PRESENTATION	APPLICATION
<ul style="list-style-type: none"> 4. Installing a piece of clear plastic hose over the chock cable reduces the number of hand injuries caused by frayed cables. 5. On soft ground the chock may sink, however, the cable has a tendency to act as a dead-man anchor and hold against the wheels. 6. If the vehicle operator tries to drive off with chock blocks set, the result is that the bottom of the compartment may be pulled downward causing severe damage. <p>E. Storage</p> <ul style="list-style-type: none"> 1. When not in use, chock blocks should be placed correctly in chock block compartment. 2. Chock block compartments <ul style="list-style-type: none"> a. Location of compartment varies with each CDF model engine 	<p>Relate past experiences.</p>
<p>II. SEAT BELTS AND SHOULDER HARNESS</p> <p>A. General</p> <ul style="list-style-type: none"> 1. Designed primarily to restrain driver and passengers in the cab or vehicle in case of accident or roll-over. 2. CAUTION!! Shoulder harness should never be worn without lap belt. Use together as a unit when provided. 3. Seat belts should be worn across the pelvic region (hip bone) and adjusted snugly. Never adjust a seat belt to ride across the abdomen. 	



Fire Protection Training

Procedures Handbook 4300

CHOCK BLOCKS, SEAT BELTS,
AND ROLL BARS

PRESENTATION	APPLICATION
<p>4. Belts must be used whenever the vehicle is in motion.</p> <p>5. Driver and all passengers must wear seat belts.</p> <p>6. No private vehicle shall be used on state business unless it is equipped with approved seat belts.</p> <p>7. All seat belts and shoulder harnesses installed in Department vehicles shall be of a type approved by California Highway Patrol (CHP). Seat belts purchased shall have a metal to metal latch with push button release.</p> <p>B. Use</p> <p>1. Keep twists out of belts and harnesses.</p> <p>2. To connect and adjust seat belt insert tongue into open end of buckle</p> <p>3. To release the seat belt; push in on the release button.</p> <p>4. On the retractable type seat belt and shoulder harness, pull completely out of the retractor before adjusting and fastening the belt.</p> <p>5. When adjusting shoulder harness, for proper slack, place fist on chest under strap. Shoulder belt should not be tight across body. Buckle shoulder harness in same manner as regular seat belt.</p>	<p>Seat belts required by CDF policy and state law.</p> <p>Fix-N-Fax #13</p>



Fire Protection Training

Procedures Handbook 4300

CHOCK BLOCKS, SEAT BELTS,
AND ROLL BARS

PRESENTATION	APPLICATION
<p>6. Seat belts when worn must be adjusted securely.</p> <p>7. In the case of a severely strained seat belt and/or harness due to an accident or similar circumstances, they should immediately be replaced.</p> <p>C. Care of Seat Belts and Shoulder Harness</p> <ol style="list-style-type: none">1. They should receive the same care as the finest fabric.2. May be kept clean by brushing off as necessary or you may clean them by using a mild soap and water solution.3. DO NOT REMOVE SEAT BELTS OR SHOULDER HARNESS TO WASH OR CLEAN THEM - LEAVE THEM ATTACHED!!4. Do not bleach or re-dye webbing as it may cause a severe loss of tensile strength.5. Do not use cleaning solvents or abrasives to clean.6. Do not lay heavy or sharp objects on belts.7. Keep foreign matter out of quick release buckle and retractors.8. Entire belt and harness unit should be checked periodically for corrosion, wear, fraying, fabric stiffness and/or weak spots. The belt mounting bolts should be tight at all times. Report any damage to your supervisor.	<p>The Forestry Equipment Manager is the only person authorized to install or replace seat belts.</p>



Fire Protection Training

Procedures Handbook 4300

CHOCK BLOCKS, SEAT BELTS,
AND ROLL BARS

PRESENTATION	APPLICATION
<p>9. When seat belts are not in use, they will be buckled together to prevent them from falling behind the seat. Those seat belts and shoulder harnesses with automatic retractors are to be kept unbuckled and retracted.</p> <p>III. THE SAFETY CHAIN WILL BE PROPERLY ATTACHED WHENEVER APPARATUS IS IN MOTION.</p> <p>A. Located in crew compartment of Model #1 and #5 CDF engines.</p> <p>IV. ROLL BARS</p> <p>A. They are Permanently Attached on Engine to protect Personnel in case of a Roll Over.</p> <p>B. No Fatalities have occurred on CDF Engines since Roll Bars have been Installed.</p> <ol style="list-style-type: none"> 1. Several roll-over accidents have happened. 2. Prior to this modification, there were fatalities on roll-over accidents. <p>C. Require No Maintenance other than Occasional Paint Touch-up.</p> <p>D. Roll Bars do not Eliminate Injuries or Fatalities, however, they Increase Percentages in Favor of the Crew and Operator.</p> <p>E. Roll Bars May Not be Drilled, Welded to or Otherwise Modified.</p>	<p>The Forestry Equipment Manager is the only person authorized to install or replace seat belts</p>



Fire Protection Training

Procedures Handbook 4300

CHOCK BLOCKS, SEAT BELTS,
AND ROLL BARS

SUMMARY:

The safety equipment on CDF engines is provided for the protection of the employee. To be effective, this safety equipment must be maintained and utilized. The few seconds which must be invested to maintain and utilize this safety equipment may save your life.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).