

## FIX-N-FAX #115

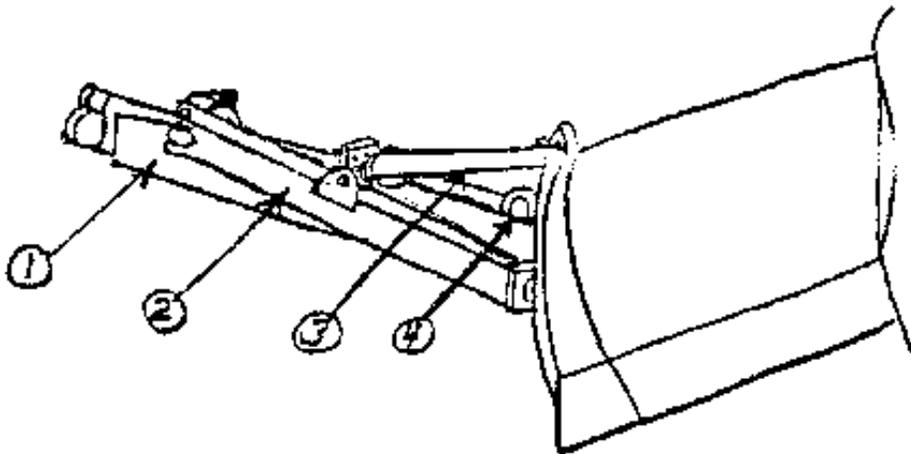
### CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

No. 115

Date: June 1965

#### Caterpillar D6C Angle Blade

- 1) C Frame
- 2) Blade Angling Arm
- 3) Blade Tilting Brace
- 4) C Frame "Eye"



#### D6C Angle Dozer

The angle dozer received on the Caterpillar D6C tractors are very critical to angle. The Caterpillar Company is currently working on a design change to relieve this problem. In the meantime, certain steps may be taken to make blade angling as easy as possible. Correct adjustments must be made to the angling arms, and then HFEOs must angle the blade in the correct sequence of steps.

#### Adjustment

1. With the blade in the air, put the blade in a straight across position.
2. Remove both tilting braces. Mark shims for replacement.
3. Swing both angling arms away from "C" frame.

4. Lower the blade to the ground and push forward or back as necessary to center the free play in the "C" frame-to-blade center pin.
5. Raise the blade off the ground.
6. Put one angling arm back in position on the "C" frame.
7. Try the other angling arm to see if the pin will fit freely into the "C" frame "eye". If it fits freely, the adjustments are OK and the tilting braces may be reinstalled.
8. If, during Step #7, the angling arm pin does not fit freely into the "C" frame eye, proceed with Steps #9, #10, #11 and #12.
9. Loosen the split collar at the forward edge of the angling arm. Adjust the length of the arm until the angling arm pin fits freely into the "G" frame "eye".
10. The left and right angling arms should be within one thread of the same length when the adjustment is complete. It may, therefore, be necessary to adjust the length of both arms rather than just one side.
11. Center the ball socket end of the angling arm where it connects to the back of the blade and tighten the split collar bolts to approximately 150 lbs.
12. Reinstall both tilting blades.

### Operation

To change the angle of the blade, the following steps must be done in sequence.

1. The tractor should be as near level as possible.
2. If the blade is tilted to either side, it must be returned to a position parallel to the plane of the "C" frame. NOTE: If the angling arms are swung out while the blade is in a tilted position, it may be an all-day job to get them back into alignment.
3. With the blade parallel to the "C" frame, rotate both tilting braces

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