

FIG. 5

FIG. 5: Align the boom cylinder clevis (1) with the boom cylinder mount (2) and install the cylinder pin (3). Install the washers (4) and cotter pins (5).

NOTE: The boom cylinder pin must be oriented as above with the two holes to the bottom. Use only the top mounting hole (6) for the cotter pin.

Align the boom cylinder with the center section and install the cylinder pin (1). Install the washers and cotter pins in this location (3) for the center section side of the boom cylinder.

Boom fold cylinder adjustment

FIG. 6: With boom in the open position and without the foam seal applied, adjust the boom cylinder clevis at the boom hinge joint (1) to achieve a gap of 0.06 to 0.18 inch (2) between the boom and the center section. With the booms closed and the cylinders completely collapsed, adjust if necessary so the booms rest freely in the cradles with no bending of the boom.

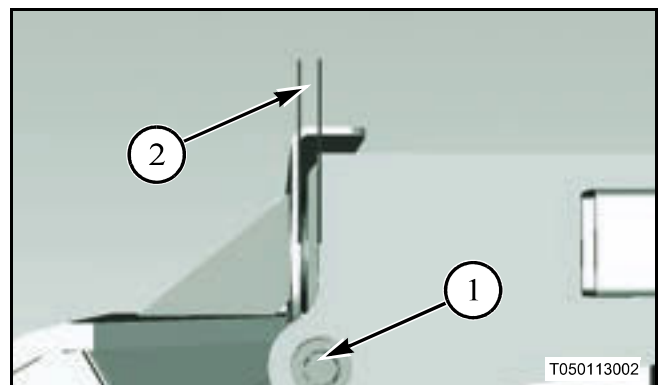


FIG. 6

Booms, Center Section and Dual Fans

Boom structure

Breakaway assembly

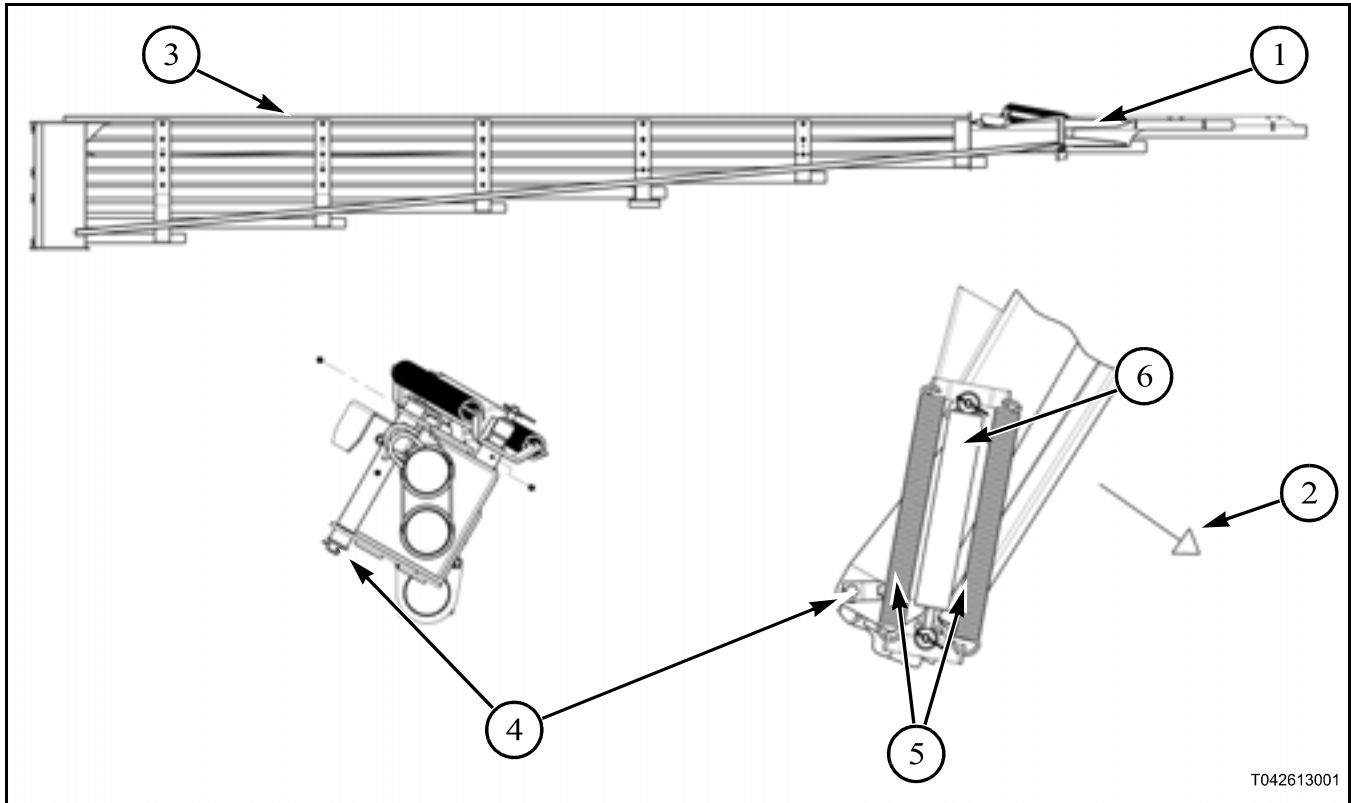


FIG. 7

FIG. 7: The 70 boom has a 5-foot hinged breakaway section (1) at the outer tip of the boom. The front side of the boom is indicated by the arrow (2). The inner portion of the boom (3) does not breakaway. The tip is mounted to the inner section with a hinge pin (4). There is a dual spring (5) and pivot assembly and a shock absorber (6) to return the boom tip smoothly when the tip folds back.

IMPORTANT: If the hinge pin bushings are worn enough to allow movement of the boom tip other than normal breakaway, they will need to be replaced.

The shocks should be replaced if they do not make the boom tips return slowly or if the tip breaks away uncontrollably during operation.



CAUTION: The shocks are under approximately 100-pounds of compressed force when installed. The shock must be retained when removing or installing.

The return springs should be replaced if the boom tip breaks away too easily or does not return.