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MANUAL PREVIEW

Bantam
Operator's Manual
350

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TO THE OPERATOR

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MANUAL PREVIEW



There is no guaranteed "5-minute" short course for learning to operate this or any other piece of machinery. If you will read carefully the directions that follow, and then move slowly ahead, practicing each phase of operation of the BANTAM, you will find that skill and efficiency in operating the machine will follow shortly. Speed is out of the question until you have mastered each of the basic steps. Attempts to do too much . . . too soon, can result in expensive accidents and unnecessary damage to the machine. Be patient . . . practice . . . and become an efficient and skilled machine operator.

Following is an instruction manual on the operation of the series 350 BANTAM. The first section contains general information on the basic machine controls.

The second section contains instructions for carrying out the BASIC digging actions and handling movements with the various attachments.

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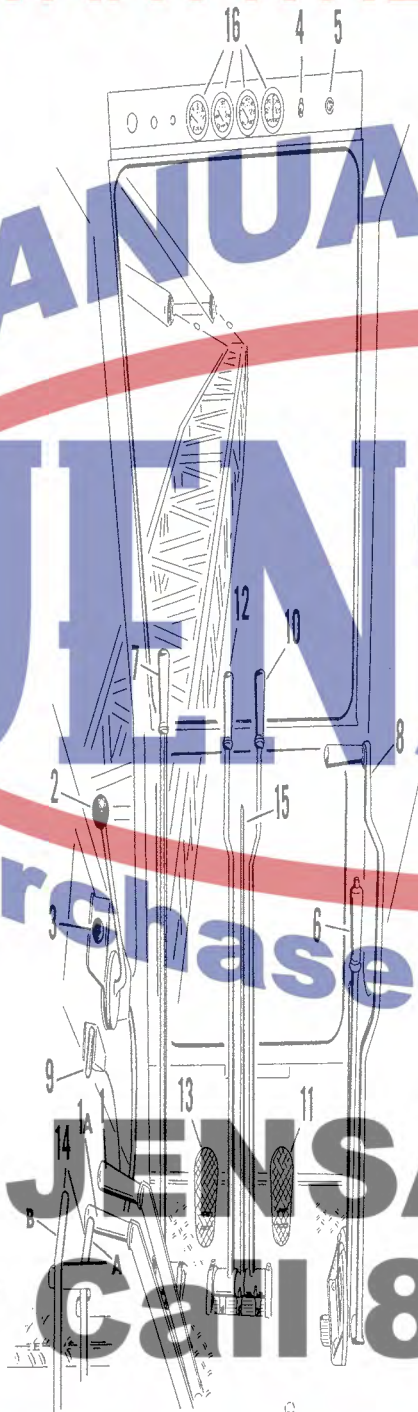
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3. CHOKE CONTROL FOR GAS ENGINE, OR DIESEL STOP FOR DIESEL ENGINE, on the left side of the cab, operate with the left hand.

4. IGNITION TOGGLE SWITCH, above the right hand side of the instrument panel, operate with the right hand. (Gas Engine Only) (Gages are pressure switch activated with diesel engine.)

5. STARTER BUTTON, on the extreme right of the instrument panel, operate with the right hand.

6. SWING BRAKE CONTROL LEVER, operate with the right hand.

7. SWING CLUTCH LEVER, single lever to the extreme left, operate with the left hand.

8. BOOM HOIST CONTROL LEVER, located on the extreme right, operate with the right hand. Can be connected to a kick-out device.

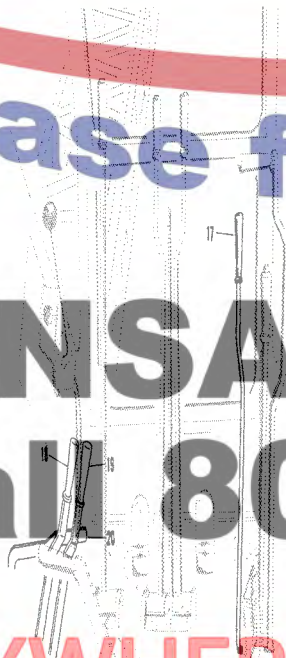
9. BOOM HOIST LOCK DOG PULL HANDLE, used on sprag type boom hoist, located on the side of the cab below the governor and choke controls, operate with the left hand.

10. LEFT DRUM or HOIST CLUTCH LEVER, located on the right directly in front, operate with the right hand.

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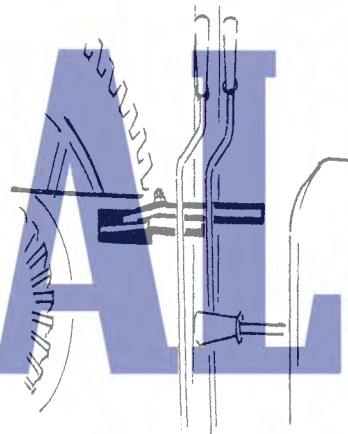
Crawler Lower Drive

The vertical drive shaft drives a bevel gear on the horizontal drive shaft in the crawler car body. Each end of this drive shaft has a dog clutch which can be independently disengaged and the outer shaft held by a brake for turning purposes. This shaft drives the crawler treads by a chain from the ends of the outer shaft to the drive tumblers. By pushing lever (17) forward, the crawler moves forward, by pulling the lever back the crawler moves in reverse. Levers (18) and (19) control the turning of the crawler. Lever (18) disengages the left driving dog and brakes the left drum for turning to the left, lever (19) disengages the right driving dog and brakes the right drum for turns to the right. This is true only when the driving tumblers are at the rear of the machine. If tumblers are forward, the machine will move the opposite direction. Speed changes are controlled by shift lever (20). Pull up for low speed, push down for high speed. Disengage master clutch when making speed changes.



Digging Lock

The crawler digging lock is an independent control. It provides a positive on the job selection of travel direction. Also a "run away" prevention factor is provided when working on an incline. When traveling on an incline always steer up hill for maximum safety.



OPERATION
OF THE
CRAWLER
DIGGING
LOCK

The digging lock is controlled from the operator's seat by a lever operated with the left foot. Both lock dogs function the same on the shaft. The center position of the lever is the neutral or disengaged position. In the "up" position (drive tumblers to the rear) the crawler is locked against reverse movement allowing only forward movement. When engaged in the "down" position, the machine is locked against forward travel, permitting only reverse movement.

WARNING:

Do not apply power against the lock dog. Serious damage to the lower travel shaft will occur.