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MANUAL PREVIEW

Hough
Service Manual
H-60B

Payloader

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Service Manual

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HO-S-H60B

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INTRODUCTION

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GENERAL

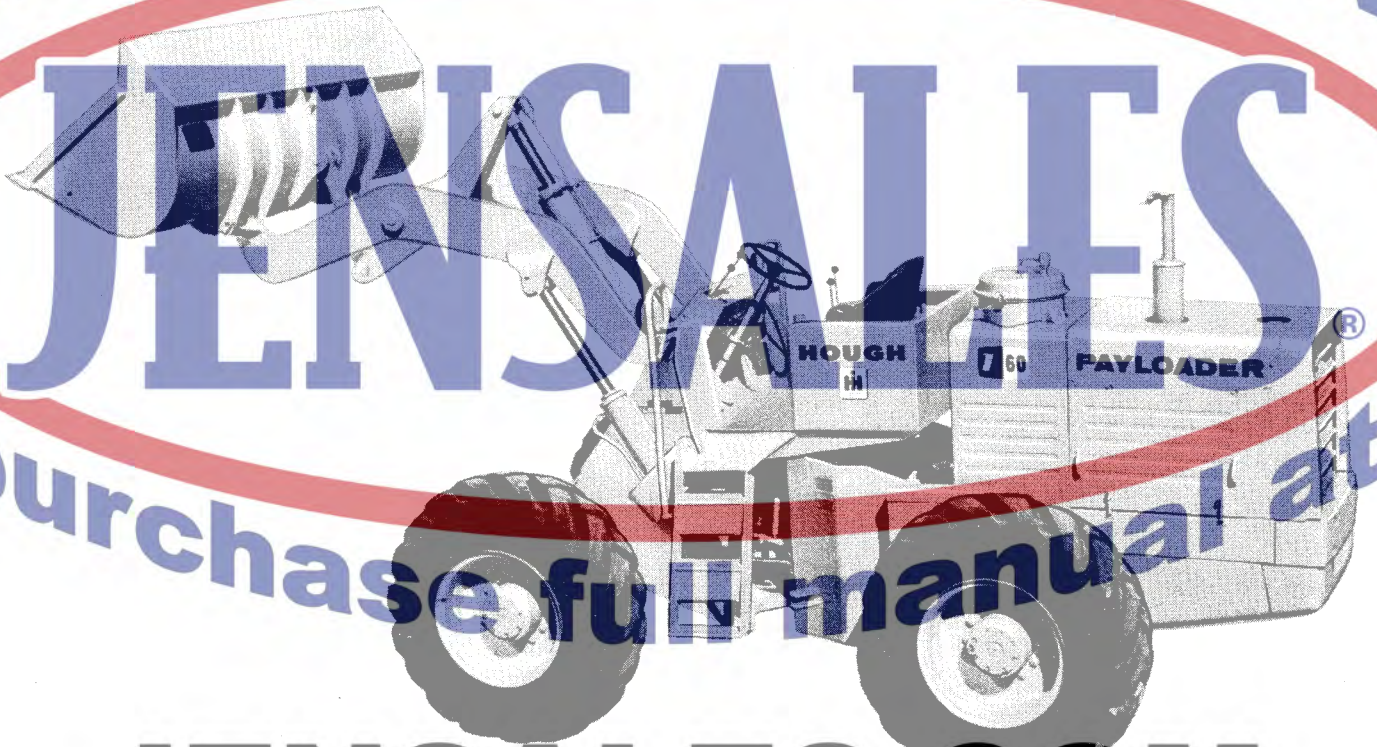
The instructions contained in this service manual are for the information and guidance of servicemen responsible for the overhaul and repair of the Model H-60B PAY loader.

This manual provides the serviceman with fast, convenient reference to information on operation, maintenance and repairs, as well as descriptions of the major units and their func-

tions in relation to other components of the PAY loader.

Each section of the manual is provided with a contents page, and where applicable, a paragraph showing special torques and specifications necessary for inspection and/or assembly. A general specification table and a standard torque chart are provided in this section.

MANUAL PREVIEW



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Model H-60B PAY loader.

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SPECIFICATIONS

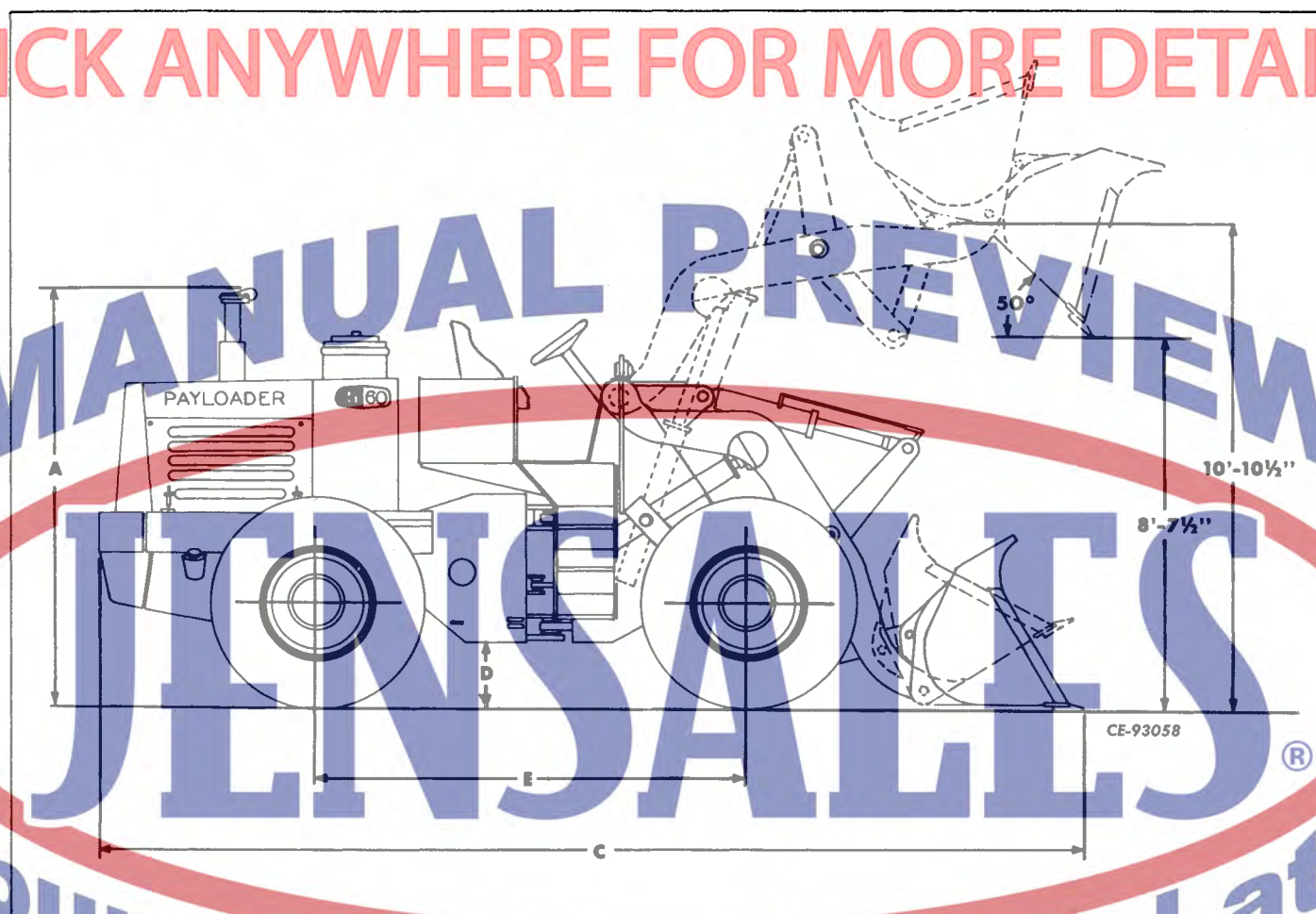


Figure 1-2
Dimension Diagram.

DIMENSIONS

A. Height to top of exhaust stack	7' - 11-1/2"
B. Width at front and rear tires	7' - 8-1/2"
C. Length with bucket on ground	19' - 5-1/2"
D. Ground clearance (minimum)	12-1/2"
E. Wheel base	8' - 4"
Total rear axle oscillation (included angle)	24°

Tread, front	6' - 4-1/4"
Tread, rear	6' - 5"

Max. dump angle @ Max. Dump Height	50°
--	-----

Max. dump angle @ 7'0" Dump Height	55°
--	-----

WEIGHT

Maximum articulated steering angle	32°
Turning radius at 32° articulation	
To outside of rear wheel	16' - 10-1/2"
To outside bucket corner at carry	18' - 7-1/2"

Approximate weight over front axle	8090 lbs.
--	-----------

Approximate weight over rear axle	9660 lbs.
---	-----------

Approximate total weight	17,750 lbs.
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MAIN FRAME

The frame locking bar is pinned and locked to the right hand side of the rear frame section in its rest position. The bar and pins are used to lock the two tractor halves when the tractor is serviced or transported.

To lock the tractor halves in the straight position, the rear pin and cotter pin are removed, the bar swung forward and aligned with hole in forward section and pins replaced. (Fig. 1-3.)

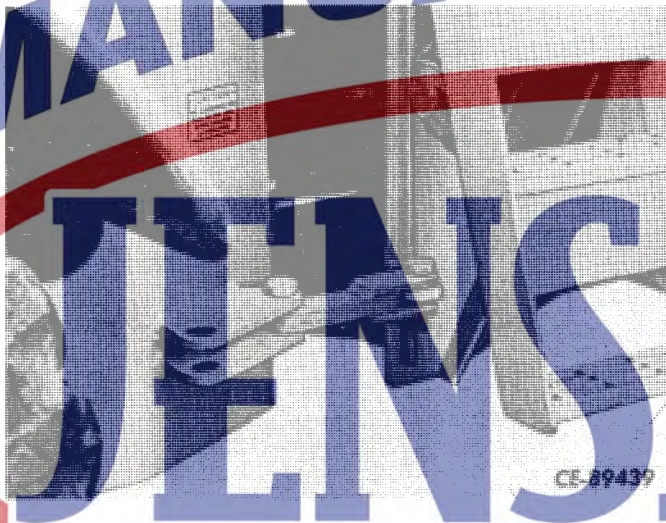


Figure 1-3

Safety Bar and Pin in Straight Lock Position.

To lock the tractor in either a full left or full right turn, only one pin is used. Position the tractor in its full turn position and insert pin in holes on closed side of tractor. Lock with cotter pin. (Fig. 1-4.)

Be sure to install bar, pins and cotter pins in storage position when tractor operation is resumed. (Fig. 1-5.)

Replace any missing parts immediately to be sure the safety device is available for immediate use. Do not attempt to service or transport the tractor if the safety bar or pins are broken or missing.

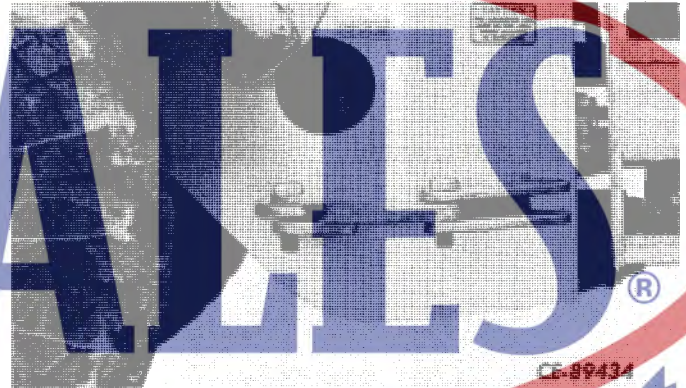


Figure 1-5

Safety Bar and Pins (Stowed Position).

SERVICE

INSPECTION

A periodic inspection of the chassis should be made to detect weld cracks, broken welds, or damaged brackets. Check bolster bushings and pins for wear or damage. Special attention should be given to the hinge pin assemblies being sure they are properly centered and seals and bushings are in good condition.

To keep rust and corrosion to a minimum, periodic painting of abrasions and bare metal is recommended.



Figure 1-4

Pin Only in Full Turn Lock Position.

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TRACTOR POWER UNIT

Connect oil cooler input hose (1, Fig. 2-29) to top of oil cooler.

Connect electrical wires to rear driving lights and stop lights. Install stop light ground wires to the grille.

washers, lock washers and nuts (2) on each side.

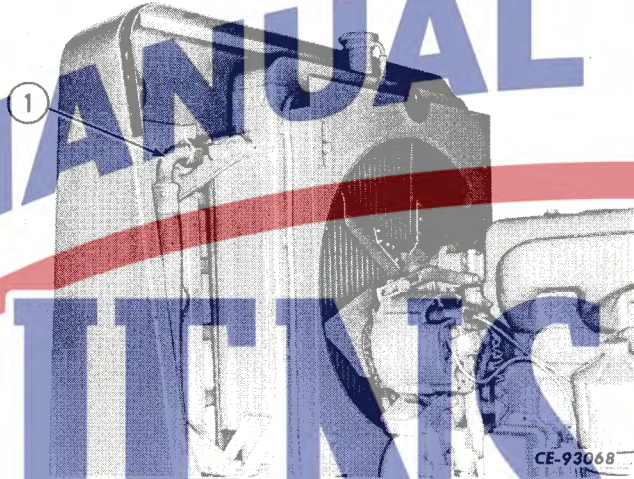


Figure 2-29

Connect radiator input and output hoses to the engine and tighten hose clamps (1, 3, 4, 5, Fig. 2-30).

Close radiator petcock.

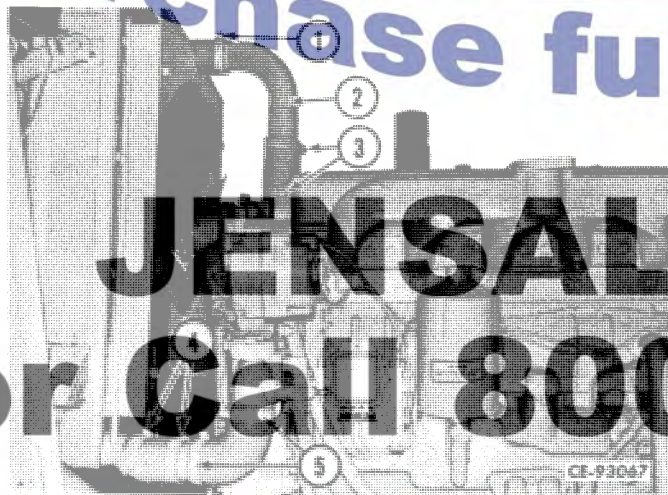


Figure 2-30

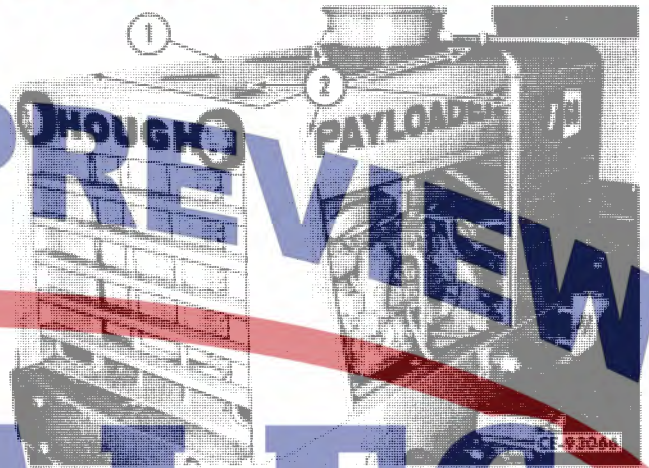


Figure 2-31

Position muffler clamp (1, Fig. 2-32) on muffler and install muffler on exhaust manifold with rain cap opening to the rear. Position muffler clamp and tighten clamp nuts.

Insert end of air intake tube (2) into connecting hose (6) and install gasket between tube and intake manifold. Install and tighten cap screws (3).

Connect air compressor supply hose to tube (2) and tighten hose clamp (4). Connect service indicator line (5) to tube (2). Position and tighten hose clamp (6).

(Continued on next page)



Figure 2-32

Install hood (1, Fig. 2-31) on grille and bulkhead and install and tighten cap screws, flat

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SERVICE INSTRUCTIONS



Figure 4-35

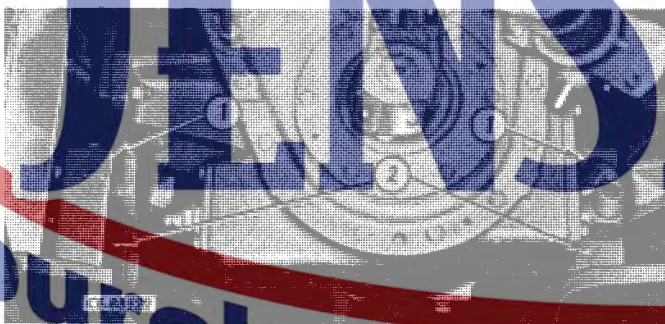


Figure 4-36

Remove nuts and cap screws (7, Fig. 4-37) that secure pads (1) and hoses (2) to hose support (6). Remove pads and hoses from support. Remove cap screws that attach hose support to rear frame and remove support.

Remove the cap screws (3, 5) that attach the transmission support (4) to the rear frame and the transmission. Remove the transmission support. Install the special lifting tool (See "SPECIAL TOOLS") in the tapped hole (5) in the transmission.

Attach a sling or chain (1, Fig. 4-38) to the lifting tool (2) and lower the transmission out of the tractor. It will be necessary to raise the transmission high enough to turn it to clear the pin supports (2, Fig. 4-36). Tip the transmission slightly forward to lower it from the tractor.

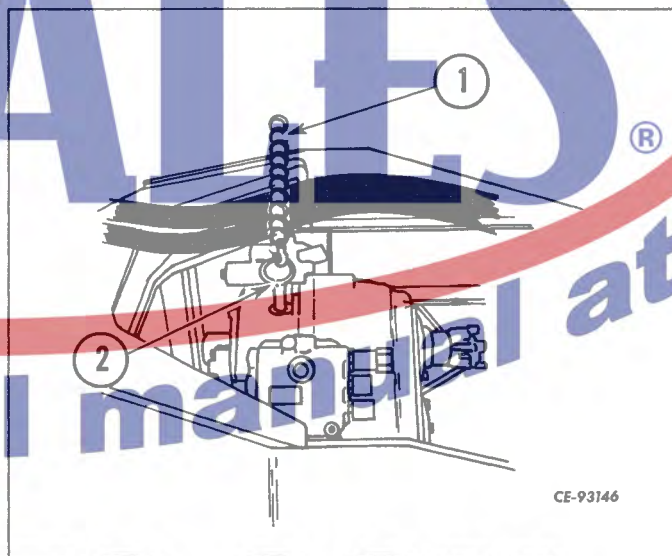


Figure 4-38



Figure 4-37

Clean the exterior of the transmission with steam. DO NOT USE CAUSTIC SODA.

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