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International Harvester Service Manual

T4, T5,
TD5, TDC5

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IH-S-T4,T5,TD5

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**T4, T5, TD5, TC5,
TDC5 CRAWLER**

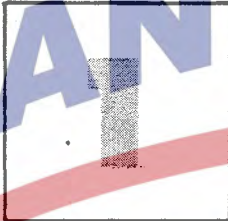
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General Contents

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Safe Work Rules, Standard Torque Data for Nuts and Bolts,
Metric Conversion Tables, Special Service Tools Required IV thru X

SECTION



ENGINE



GASOLINE FUEL SYSTEM®



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Section 1

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ENGINE

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GASOLINE FUEL SYSTEM

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Illust. 1. T5 tractor equipped with 5 roller track frame.

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THREE POINT HITCH

Description:

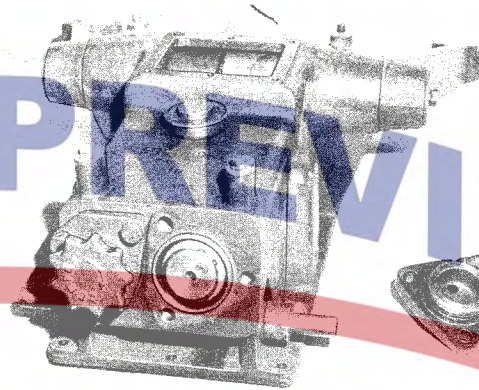
The three point hitch attachment consists of the top housing which contains the rock shaft, and the operating mechanism, and the lower linkage.

The rockshaft is actuated by a single acting cylinder which is controlled by a single acting spool valve with a float position. The float position enables the operator to allow a machine to trail free, following the contour of the ground. If so desired, the attitude or depth of a machine may be controlled with the hydraulic system or with a mechanical depth control, adjustable by a hand wheel, (illust.17) situated at the right front of the housing. This hand wheel, through a spring loaded plunger can be set to maintain a desired position of a mounted machine in relation to the tractor. It is important that this mechanical control is never used for carrying heavy machines in transport.

The rockshaft arms may be lifted by pulling the hydraulic control lever toward the seat. When the lever is released it will return to neutral. The rockshaft will be held in this position by a hydraulic lock. If it is desired to lower the rockshaft the lever is moved away from the seat until the required position is reached. The lever will again return to neutral by itself, holding the rockshaft in this position. However, if a floating position is required, the valve lever is pushed hard away from the seat forcing the spool into the detent. The spool will remain in this position allowing oil to pass from the cylinder into the reservoir whenever pressure is exerted on the piston by the linkage. The rockshaft and arms are free to move to any position. The fact that the piston does not move back with the linkage lets the rockshaft work up and down freely.

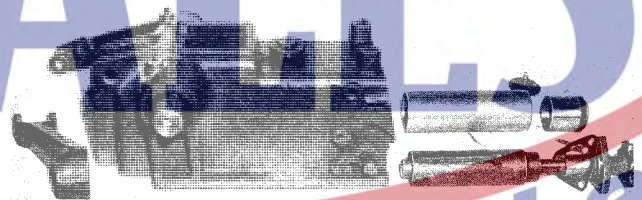
The piston is fitted with a pressure relief valve. This valve comes into operation only when a pressure build-up resulting from an increase in oil temperature occurs with the piston at the end of its travel.

The moving parts of the unit may all be removed as shown in illustration 17. The rockshaft may be driven out after first removing the lock bolts from the inside arms: (illust.18). The



Illust. 16.

Three point hitch, Front view.



Illust. 17.

Hydraulic piston and mechanical depth control removed.



Illust. 18.

13 Remove the set screws before driving the rockshaft out.

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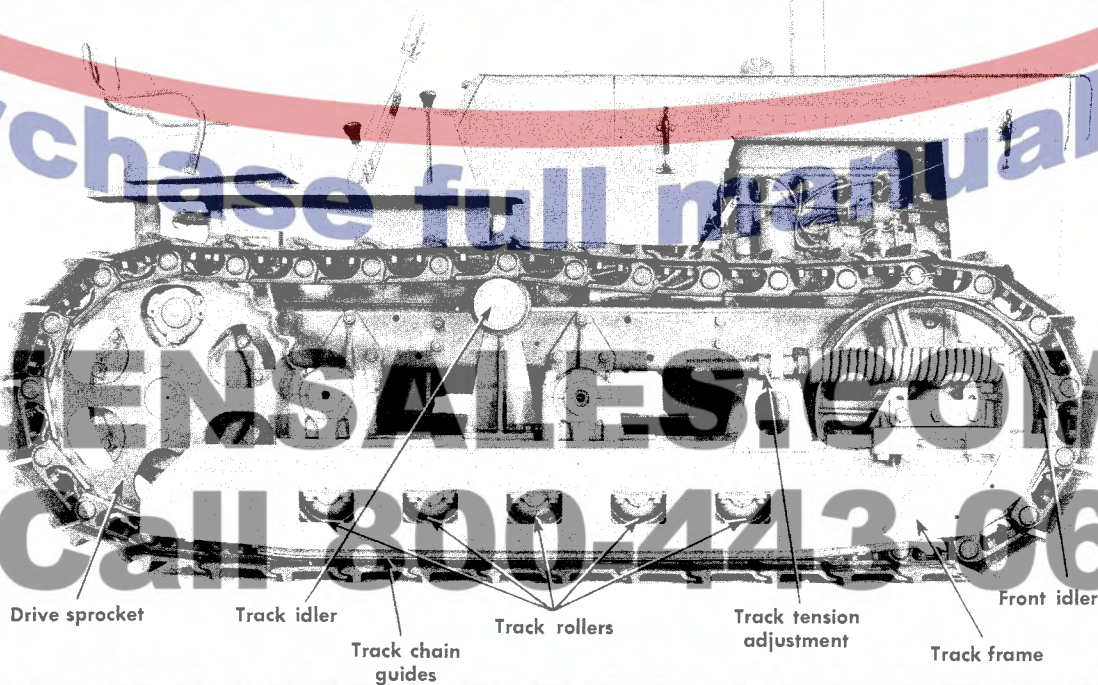
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Illust. 1. Track and Track Frame Assembly.

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