



J.I. Case
Operator's Manual
310
Crawler

Operator's Manual

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CA-O-310 CRWLR

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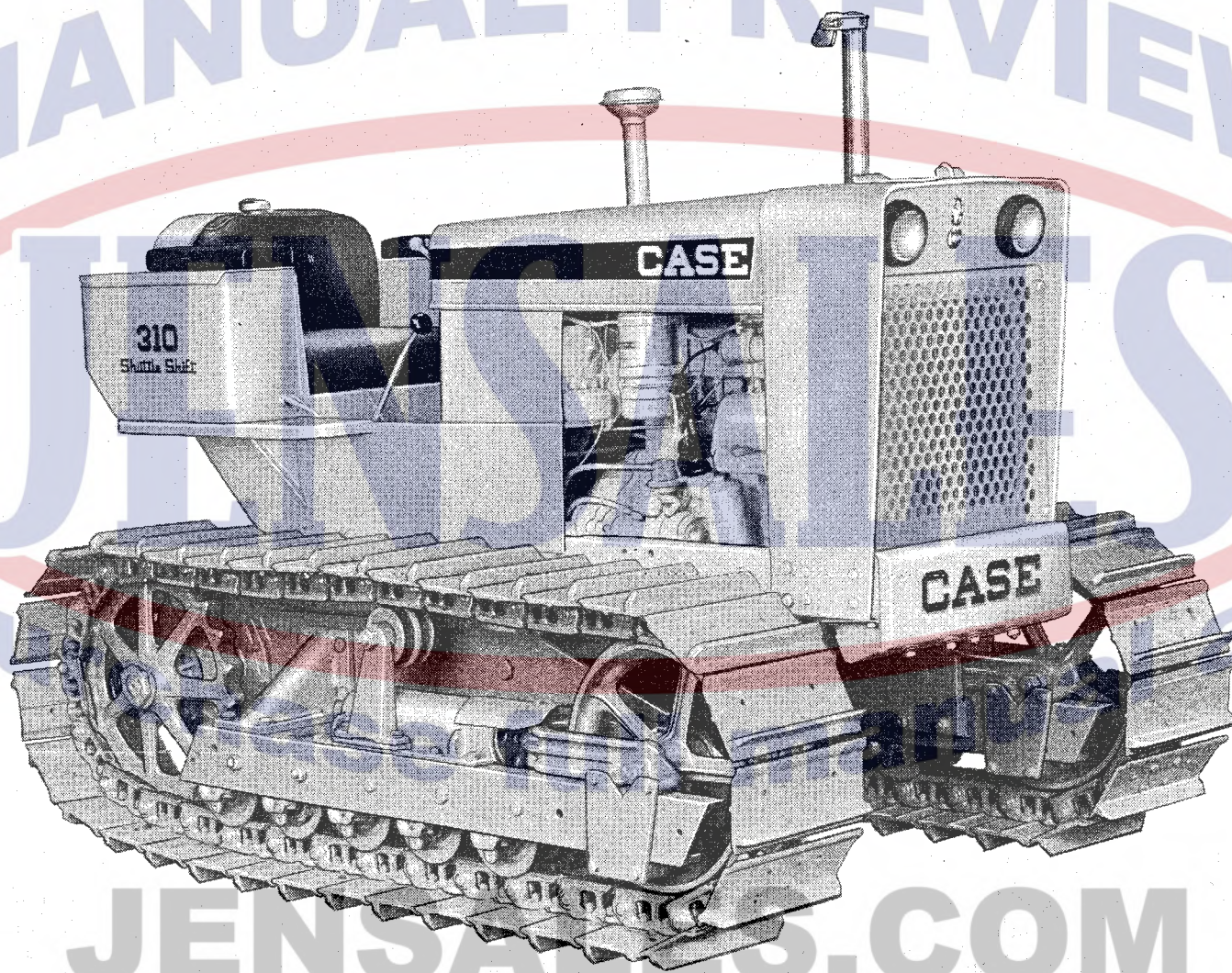


Figure 1 - Right Hand Front View of Drawbar Model

B2963

APPROXIMATE CAPACITIES

	U.S. Measure
Cooling System	12 Quarts
Transmission - Differential	7-1/2 Quarts
" " (P.T.O. installed)	8-1/2 Quarts
Final Drive (each side)	2-1/2 Pints
Crankcase	5-1/2 Quarts
" (with filter change)	6 Quarts
Air Cleaner Cup	1 Pint
Winch (Carco C12 or CG12)	6 Quarts
Hydraulic Reservoir	8 Gallons
Fuel Tank	17 Gallons
(Backhoe Model)	10 Gallons

PHYSICAL DIMENSIONS

Gauge (standard)	48 Inches
Gauge (special order)	36, 52, 60, and 72 Inches
Shoe Width (Standard)	14 Inch Grousers
Width (with Std. Grousers on 48 Inch Gauge)	62 Inches
Length of Track on Ground	63 Inches
Ground Contact, Standard Shoes	1764 Square Inches
Height Over Hood (bare tractor)	57-1/2 Inches
Height to Top of Exhaust	69 Inches
Length Overall (bare tractor - no drawbar)	7 ft. 9 Inches
(with drawbar)	8 ft. 2 Inches
Ground Clearance Minimum	11 Inches

MISCELLANEOUS

Turning Distance (radius)	9 ft. 10 Inches
Lower Track Rollers	5
Number of Shoes (each track)	33

SHIPPING WEIGHT

Drawbar Model with 14 Inch Shoes (Gas)	5370 Pounds
(Diesel)	5660 Pounds

NOTE: Where applicable, specifications conform to IEMC definitions.

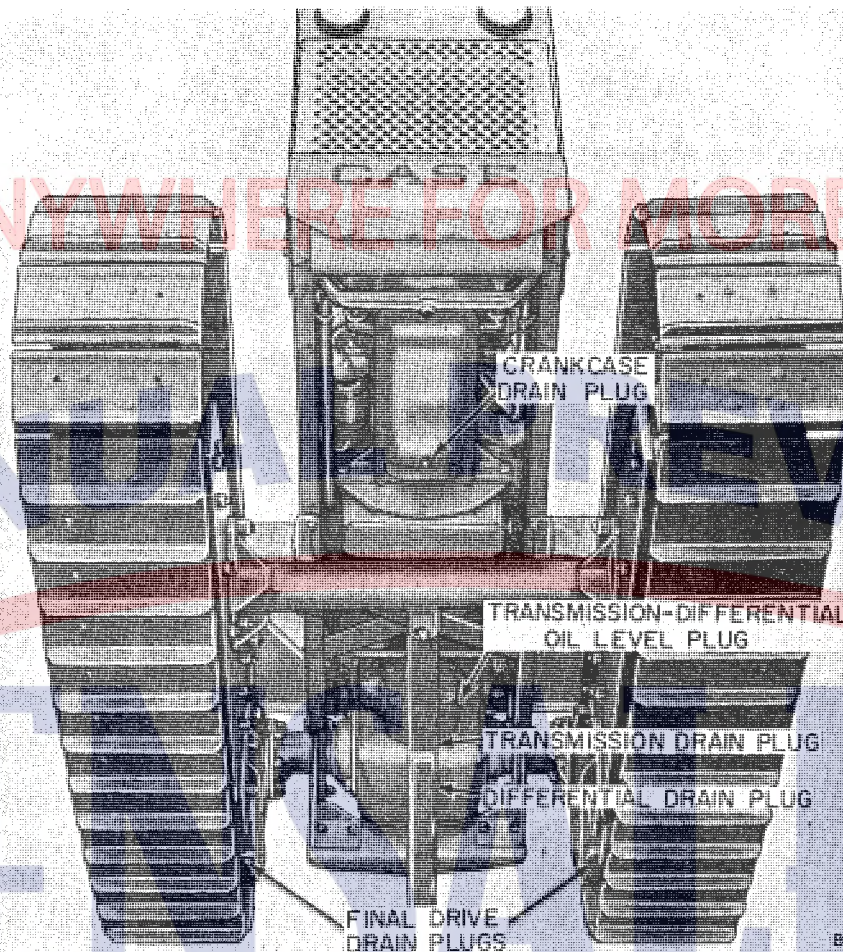
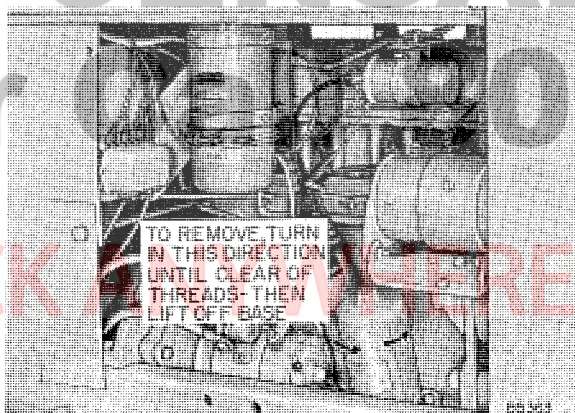


Figure 8 - Location of Drain and Filler Plugs

Engine Oil Filter

Change the oil filter cartridge after the first 20 hours operation and then every 200 hours thereafter (or every other oil change). Before removing the filter cartridge be sure to clean all traces of dirt from around base joint. Unscrew filter from base. Be sure to use a Genuine CASE cartridge. To install new cartridge, apply film of oil to gasket, and then hand turn until filter contacts base — then tighten one half turn (180°). Do not overtighten. Always add additional pint of oil to engine crankcase every time filter cartridge is changed.



CAUTION: Never attempt to change an oil filter while the engine is running.

Figure 9 - Oil Filter

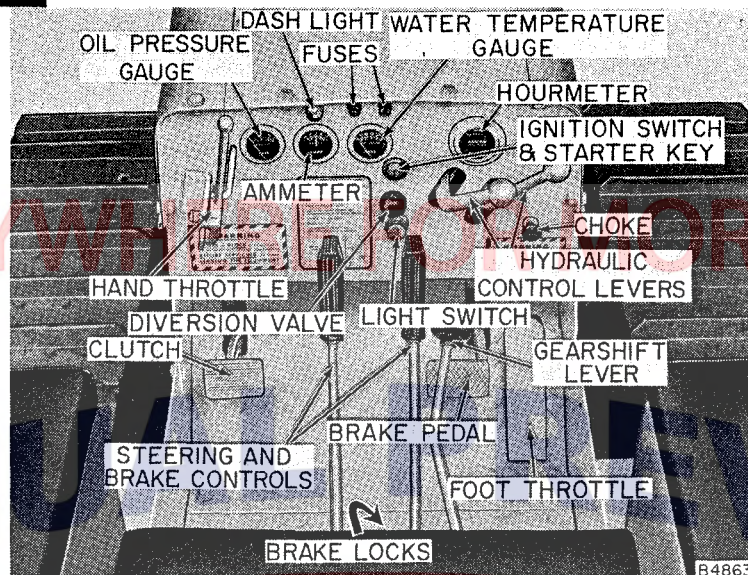


Figure 17 - Crawler Control Panel

OPERATING CONTROLS

CHOKE CONTROL. To start a cold engine, pull choke button out. Push button all the way in when engine is warmed up.

IGNITION SWITCH AND STARTER KEY. Four position combination switch with removable key. "OFF", "RUN", and "START" positions. The left hand position is not used on gasoline Crawlers. Turn key to right to crank the engine. Release immediately when engine fires. Do not operate starter for more than 30 seconds at one time. Wait a few minutes before turning starter again.

FUSEHOLDER. Two 25-ampere fuses for protection of electrical system. Left hand fuse for generator charging circuit; right hand fuse for lighting circuit.

LIGHT SWITCH. Turn knob to right to operate head, tail, and dash lights.

HAND THROTTLE CONTROL. Friction type hand throttle with extra long shaft for easy, positive operation, especially in cold weather when operator is wearing heavy clothing.

FOOT THROTTLE CONTROL. Controls engine speed with the foot.

BRAKE PEDAL. Push pedal forward (after depressing clutch) to bring Crawler to stop. Braking may also be accomplished by pulling back on both steering levers simultaneously.

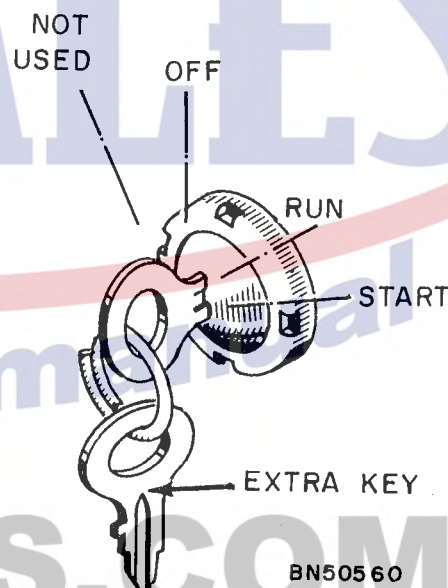


Figure 18 - Ignition Switch

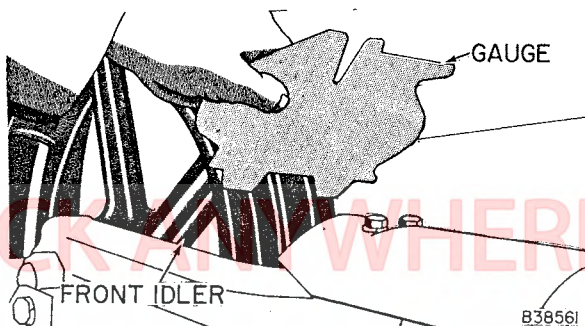


Figure 54 - Checking Front Idler

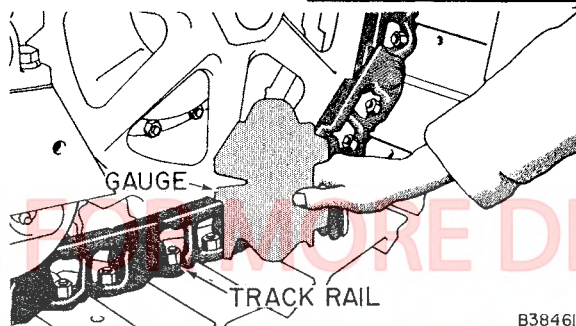


Figure 55 - Checking Track Rail

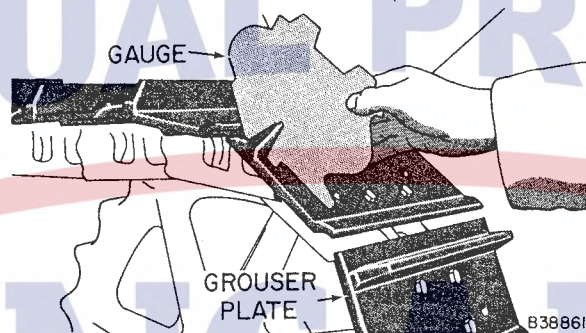


Figure 56 - Checking Grouser Plate

Removing Track

Each track chain is equipped with two master pins, identified by lock pins in ends, see Figure 58. Move Crawler onto hard, level surface until a master pin is halfway up the back of sprocket; then lock brakes.

Loosen track tension, see Figure 57. Remove outer lock pin from master pin, see Figure 58.

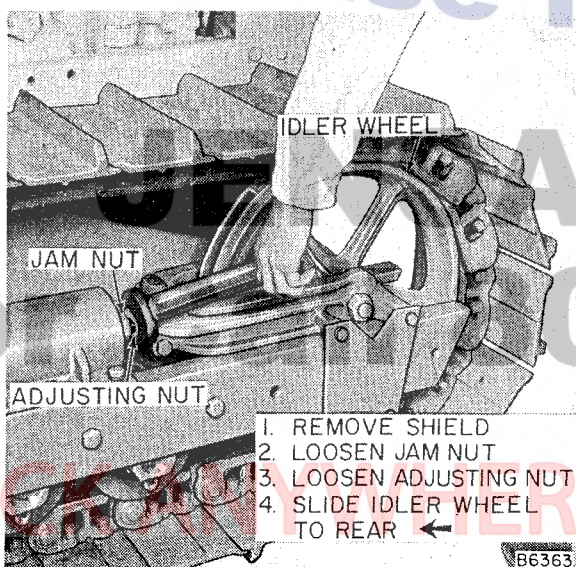


Figure 57 - Loosening Track Tension

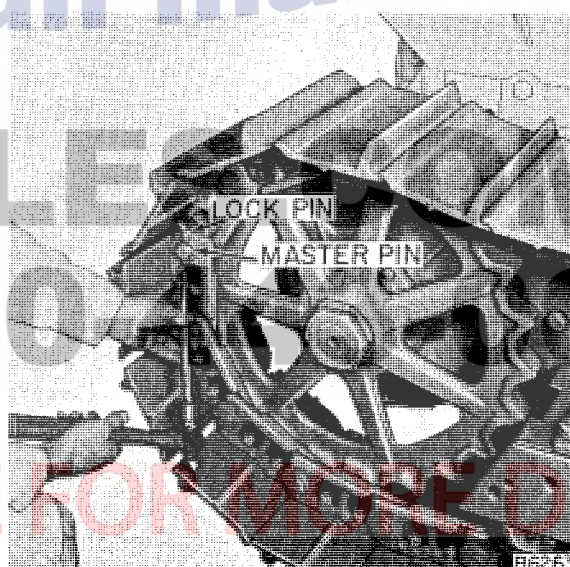


Figure 58 - Removing Lock Pin

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P.T.O.

AND

BELT PULLEY

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