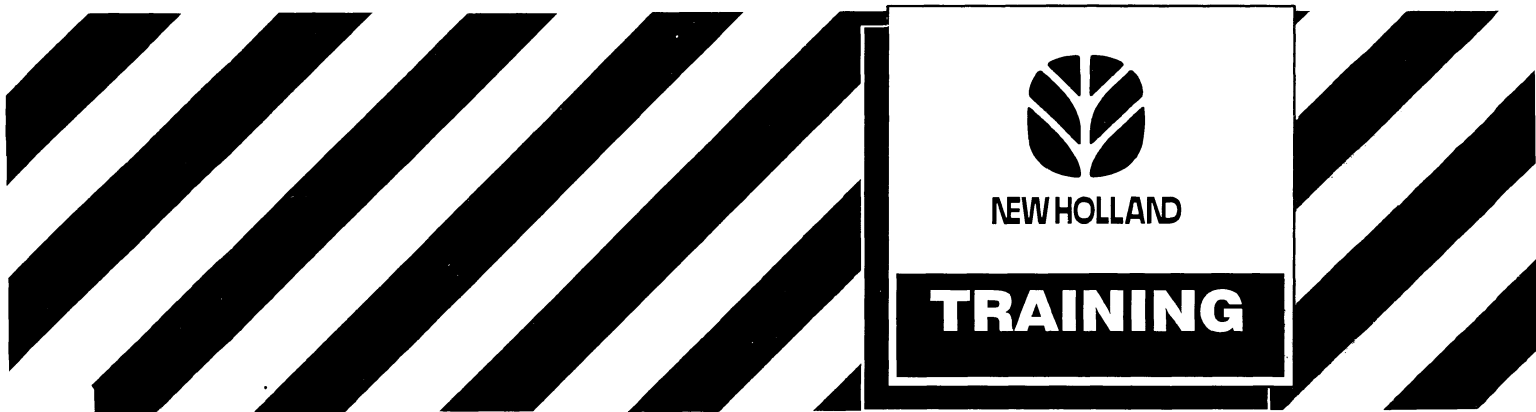


Features
1530
1630
1725
1925

PRODUCT MANUAL



MODELS 1530 & 1630 (Boomer™ Series)



A4866-8



A4863-5

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ATTENTION: Some photos in this manual show protective shielding removed to illustrate features more clearly. Be certain to keep all shields in place when machine is in operation.

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MODELS 1530 & 1630 (Boomer™ Series)

DELUXE ALL-PURPOSE TRACTORS



A5108-1



163000

Boomer™ series tractors set the standard for compact tractor features and performance.

The models 1530 and 1630 are deluxe tractors built on the proven performance of New Holland 20 series compacts while offering new features that make them best in class. These high performers are ideal for estate owners, small farms, small ranches, landscapers and nurseries. Whether mowing, loading, hauling, snowblowing or any of dozens of other jobs; **Boomer™ Rocks!**

30 series main features:

- **Large displacement 3 cylinder engines** are powerful, economic and quiet.
- Choice of **9x3 transmission** offering a wide selection of working speeds, or infinitely variable **Hydrostatic transmission**.
- Dependable 540 RPM, live PTO on gear models, 540 RPM rear/ 2000 RPM Mid PTO on Hydrostatic models.
- 2WD, FWD and SuperSteer™ FWD on 1530 FWD and SuperSteer™ FWD on 1630.
- **Flip-up hood** gives the Boomer™ series best in class serviceability.
- **Optional Folding Rops** allows Boomer to get into areas where height is at a premium.
- **Comfort-Plus™** operators deck with controls for RANGE, PTO, FWD, 3-PT and optional remotes located conveniently on the units contoured fenders. **Standard Tilt and Telescoping steering wheel** accommodates all size operators.
- **Deluxe Contoured Seat** with fore/aft, height and weight adjustment, **plus 20 degree swivel** ensures operator comfort.
- **Cat.I 3-PT** hitch has telescoping stabilizers and over 1600 lb. lift capacity to handle a wide variety of attachments. **Deluxe 3-PT option** offers flex link ends and crank adjustment for easy hook up.
- **7.1 GPM Hydraulic Pump** capacity makes implements more productive.
- **Exclusive!- Optional SuperSteer™** FWD offers tightest turnaround diameter in the industry.

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2-52 ISSUED 1-97.

MODELS 1530 & 1630 (Boomer™ Series)

STANDARD EQUIPMENT

DIESEL ENGINE (1530/1630)

3 Cylinders
81.2 cu. in. Displacement
Under Hood Muffler
Dual Element Air Cleaner
Full-flow, Spin-on Oil Filter
7.3 Gallon Fuel Tank
Single Fuel Filter
Pressurized Cooling System with
Thermostat and Antifreeze
Quick Heat Starting Aid

1530 DIESEL ENGINE

25.0 Gross Engine hp @ 2600 rpm
23.7 Net Engine hp @ 2600 rpm
21.7 PTO hp @ 2600 rpm (Gear)
20.3 PTO hp @ 2600 rpm (Hydro)

1630 DIESEL ENGINE

27.3 Gross Engine hp @ 2600 rpm
26.0 Net Engine hp @ 2600 rpm
24.0 PTO hp @ 2600 rpm (Gear)
22.5 PTO hp @ 2600 rpm (Hydro)



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INSTRUMENTS

Tachometer/Hour Meter
Engine Oil Pressure Warning Light
Alternator Warning Light
Additional Warning Lights
Quick Heat Starting Aid Light
Coolant Temperature Gauge
Fuel Gauge

HYDRAULIC SYSTEM

Live Hydraulics with Hydraulic
Position Control
Mid-mounted Hydraulic Ports
Cat.I 3-PT Hitch with
Telescoping Stabilizers
Turnbuckle Type Leveling Mech.

ROPS

Seat Belt

ELECTRICAL

Battery, 12-volt, 70 amp hr.
Safety Starter Switch
Key Start/Fuel Shutoff
Alternator, 40 amps
Voltage Regulator

LIGHTS

Four Headlights
Two Front, Two Side
Four Taillights
Two Flashing Safety Lights

PTO

With 9x3 Transmission
Live Rear, 540 rpm
With Hydrostatic Transmission
Live Rear, 540 rpm
Live Mid-Mount, 2000 rpm

SWINGING/EXTENDIBLE DRAWBAR

FOOT THROTTLE

with 9x3 Transmission

DIFFERENTIAL LOCK

DELUXE CONTOURED SEAT

Full Suspension
Fore/Aft/Height Compensating
adjustable with inclined track
Swivel Adjustment
Weight Adjustable

STEERING

Hydrostatic Power Steering
Tilt/Telescoping Steering Wheel

BRAKES

Wet Disc

FRONT AXLE 1530

Fixed Axle (2WD only)
Wheels Reversible -
40 inch & 42.3 inch Tread

FRONT AXLE 1630

Front Wheel Drive with
fixed 42.4 inch front tread
Wheels Reversible -
40 inch & 42.3 inch Tread

REAR WHEELS

Reversible
42.8 inch & 47.9 inch Tread

SMV EMBLEM

WARRANTY

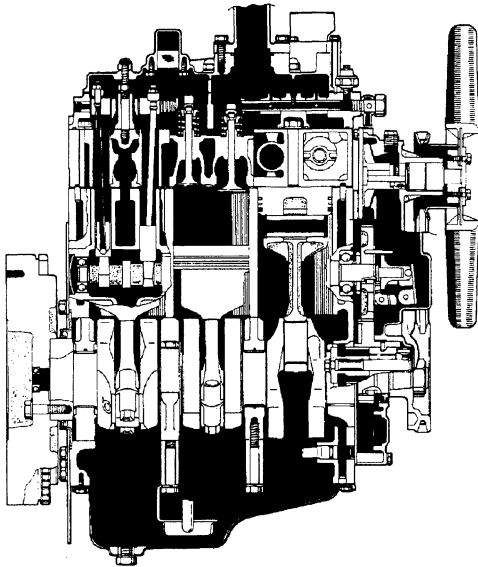
New Holland Standard Warranty

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MODELS 1530 & 1630 (Boomer™ Series)

ENGINE- RUGGED, RELIABLE NEW HOLLAND POWER



163001

The models 1530 and 1630 are both powered by 3-cylinder, naturally aspirated diesel engines displacing 81.2 cubic inches.

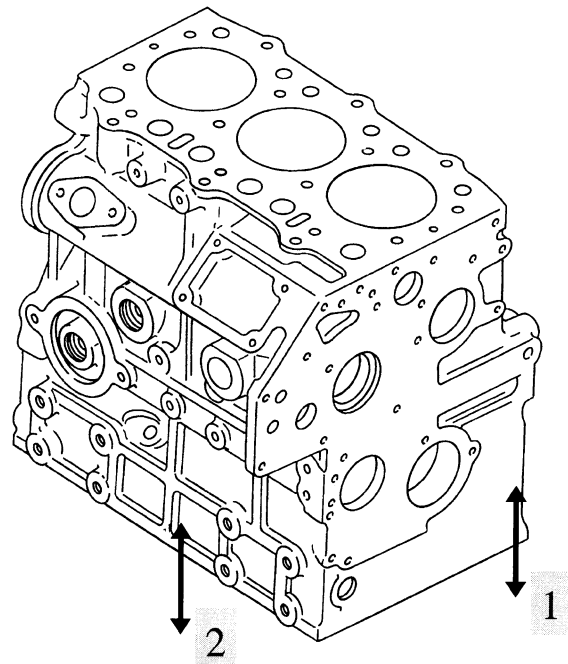
	1530	1630
Gross Engine hp @ 2600 rpm	25.0	27.3
Net Engine hp @ 2600 rpm	23.7	26.8
PTO @ 2600 rpm		
Gear Transmission	21.7	26.8
Hydrostatic Transmission	20.3	22.5

Major features of this engine include:

- **Parent bore (sleeveless) engine-block design** offers superior strength and durability. Benefits over sleeve-type engines include:
 - **Superior strength and rigidity.** The cylinders on parent bore engines are cast as an integral part of the block contributing to the overall strength and rigidity of the engine.
 - **Durability.** With the cylinders cast as part of the block, there is no need for sleeve seals. This eliminates the risk of contamination (and possible engine damage) due to coolant leakage.

Uniform cylinder cooling. By casting the cylinders as part of the block, more uniform wall thickness is obtained. Coolant acts directly on the cylinder walls providing more uniform cooling which reduces potential hot spots as are sometimes found in engines of dry sleeve design.

Re-buildable. Parent bore engine design offers superior life, however, if the need arises these engines may be rebuilt. Under normal use and maintenance, a parent bore engine may be rebuilt several times. The block can be bored to .020" or .040" oversize and rebuilt with piston and ring sets available through Service Parts.



163002

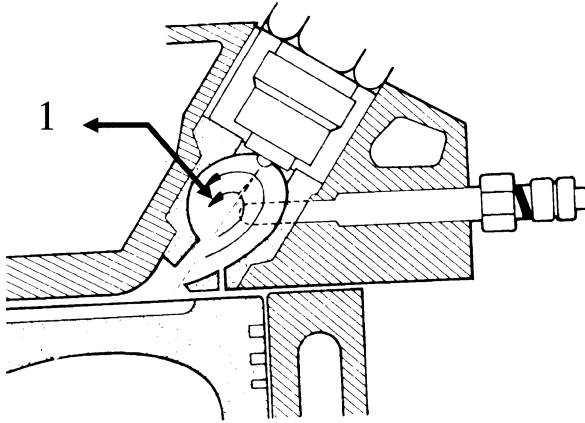
- **Rugged cast iron block.**
 - **Deep skirt design (1)** and four tunnel-mounted main bearings provide superior crankshaft support, reducing crankshaft and bearing fatigue. The result is long, dependable engine life.
 - **Ribbed block (2).** The engine is part of the tractor chassis. The ribbed block provides the strength and rigidity needed to handle the stresses that are encountered with loader work.

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MODELS 1530 & 1630 (Boomer™ Series)

ENGINE (CONT.)- ECONOMICAL AND QUIET



163003

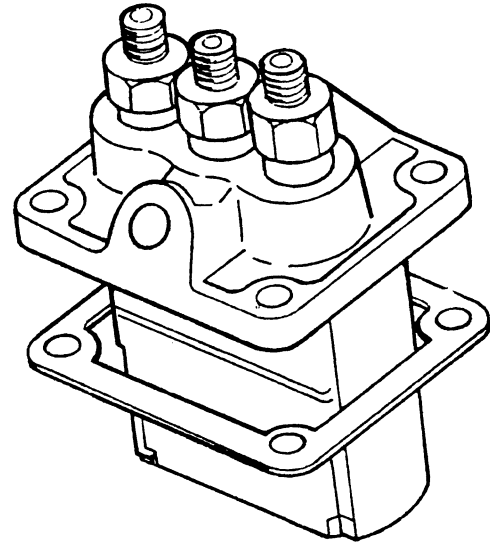
- **Indirect injection.** The engine used on the models 1530 and 1630 uses indirect fuel injection with a uniquely designed pre-combustion chamber. This engine offers great fuel economy and quiet operation.

Swirling action (1). As air enters and the piston rises on the compression stroke, a swirling action is created in the pre-combustion chamber. This is a result of the orifice location and spherical shape. As atomized fuel is injected, the swirling action causes the air and fuel to mix more rapidly, resulting in quicker, cleaner and more complete burning.

Main combustion chamber. The pre-combustion chamber aids in more efficient burning in the main combustion chamber. By locating the orifice almost directly across from the fuel injector, a portion of the fuel is injected directly into the main combustion chamber. As combustion occurs in the pre-combustion chamber, expanding gases and flame are forced back through the orifice into the main combustion chamber. This creates a swirling action which more thoroughly mixes air and fuel. The result is more efficient burning and more power per gallon of fuel burned.

Quick heat starting aid. The models 1530 and 1630 feature quick heat starting aids for fast starts on the coldest of days. Pre-heating the engine is fast and simple; turn the ignition key to the "HEAT" position and hold until the cold start indicator on Boomer's dash goes out (during

this time the glow plugs heat the pre-combustion chamber). Pre-heating occurs in a scant 4 seconds. Once the cold start light goes out the engine is ready to fire. Strategic location of the glow plug in the pre-combustion chamber is what makes this system effective and reliable.



163004

- **Cartridge-type injection pump** is designed to deliver reliable performance. The pump is an integral part of the engine, eliminating the need for a separate oil reservoir, resulting in easier maintenance. This pump design offers simple, low-cost repair. Only the pumping elements need to be repaired or replaced in the event of malfunction.

Additional engine related features:

- **Dual element air cleaner** provides superior air filtration while allowing good breathing.
- **Single fuel filter** provides protection from water or other contaminants entering the fuel pump or injectors. Filter life is a long 200 hours.
- **Full-flow, spin-on oil filter** provides protection to the engine lubricating system. It is simple to access & features a long 100-hour service interval.
- **7.3 gallon fuel tank** combined with superior fuel efficiency means a long operating range.

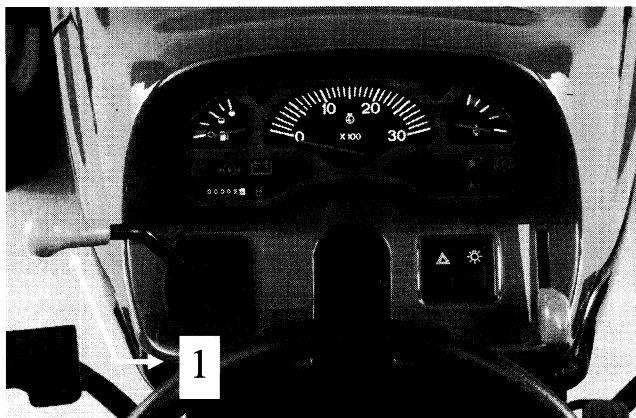
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MODELS 1530 & 1630 (Boomer™ Series)

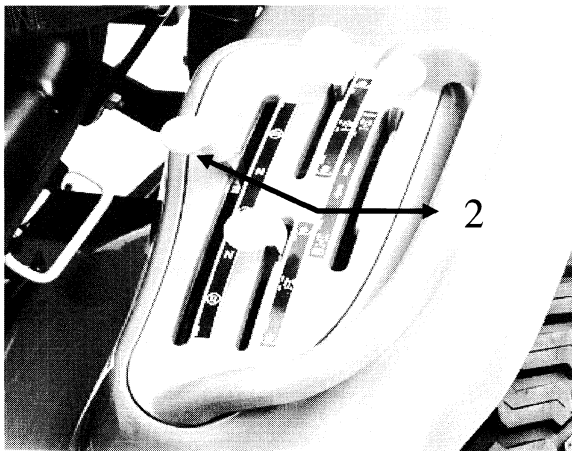
TRANSMISSION- VERSATILE, DEPENDABLE 9x3

The models 1530 and 1630 are both available with reliable, easy to use 9x3 manual transmission. This transmission offers a broad range of speeds allowing these high performance tractors to tackle a wide variety of jobs. Three forward speeds and one reverse are provided for each of three ranges.



A5030-12

The main shift lever (1) for the three forward and one reverse speeds is conveniently located on the left-hand side of the steering column within easy reach of the operators left hand. **When shifting speeds, the clutch pedal must be depressed and tractor motion stopped.**



A4852-4

Transmission range (2) lever is located on the left-hand fender control pod. The range lever, located closest to the operator, is used to select any of three transmission ranges. **When shifting ranges, the clutch pedal must be depressed and tractor motion stopped.**

Major features of the 9x3 mechanical Transmission:

- **Sliding-gear transmission** is efficient and durable ensuring years of trouble free service.
- **Strong cast-iron case** provides the strength, rigidity and durability required when using loaders or transporting heavy 3-PT mounted loads.
- **Broad speed selection** suitable for a wide variety of applications. Whether tilling or snow throwing in low range, mowing or loading in mid-range or transporting in high range, the 9x3 provides suitable speeds:

Speed	Range	Main	MPH*
1	L	1	.75
2	L	2	1.11
3	L	3	1.60
4	M	1	2.38
5	M	2	3.51
6	M	3	5.04
7	H	1	6.09
8	H	2	8.99
9	H	3	12.90
R1	L	R	1.11
R2	M	R	3.51
R3	H	R	8.99

* From 1300-2600 RPM with 11.2x24 Rear Tires

- **Simple shift pattern** is easy to operate. 1st, 2nd, 3rd and reverse speeds are located on the main shift lever in a simple H pattern. Ranges 1, 2, and 3 are located on the range lever in a straight line. Travel speeds increase as the operator shifts from low range/1st gear through the gears on the main shift lever and through the ranges.
- **For convenience in shuttle application** such as loader work or mowing, 2nd (main) and reverse have the same travel speed and are located across from each other in the shift pattern.

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