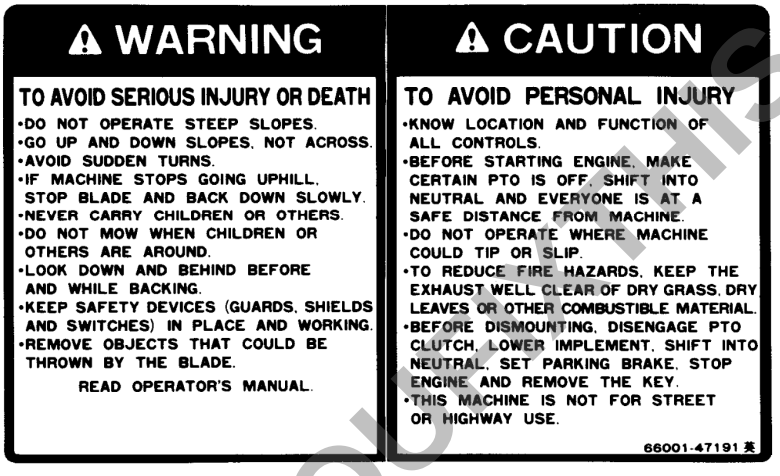
SAFETY DECALS

- **The following safety decals are installed on the vehicle and mower.**
  If a decal becomes damaged, illegible or is not on the vehicle and mower, replace it. The decal part number is listed in the parts list.

❶ Code No. 66001-4719-1



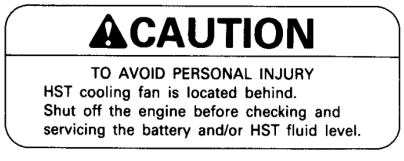
❷ Code No. 66071-4752-1 (HST only)



❸ Code No. 66071-4732-1



❹ Code No. 66001-4713-3



❺ Code No. 66071-6179-1



❻ Code No. 66071-6178-1



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SPECIFICATIONS

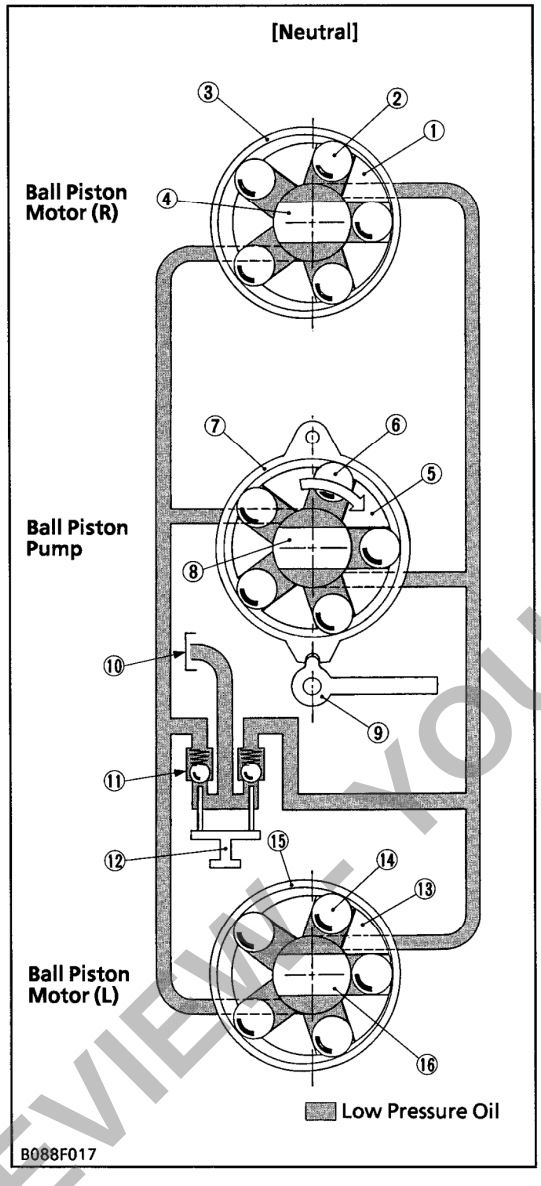
Engine

Model		GH540V
Type		Forced air-cooled, Vertical shaft OHV, 4-stroke gasoline engine
Number of Cylinders		1
Bore x Stroke		89 x 86 mm (3.50 x 3.39 in.)
Total Displacement		535 cc (32.64 cu. in)
Maximum Horsepower (Gross)		17 HP / 3600 rpm
Maximum Torque		3.75 N·m / 2000 rpm (3.82 kgf·m / 2000 rpm, 27.6 ft-lbs / 2000 rpm)
Maximum Bare Speed		3350 ± 50 rpm
Minimum Bare Idling Speed		1550 ± 75 rpm
Compression Ratio		8.3 : 1
Cooling System		Forced air cooling
Ignition System		Transistorized flywheel magneto
Ignition Timing		0.40 rad. (23°C) B.T.D.C.
Spark Plug		CHAMPION RN 11 YC.
Carburetor		Float type fixed main jet
Air Cleaner		Semi-cyclone type with dual element
Governor		Mechanical flyweight
Lubricating System		Forced lubrication by trochoid pump
Starting System		Electric starter with battery
Starting Motor		12V - 0.8 kW, Shift type
Recommended Battery Capacity		28A19R (12V, 21Ah at 5 H.R.)
Fuel	Type	Automobile unleaded gasoline
	Capacity	9.5 ℓ 2.51 U.S.gals. 2.09 Imp.gals.
Engine Oil	Type	Engine oil: API service SE or SD class
	Capacity	1.6 ℓ 1.7 U.S.qts. 1.41 Imp.qts.
Weight (Dry)		43.5 kg (95.8 lbs)

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(3) Oil Flow



Each two ports of the ball piston motor (R) and (L) and the ball piston pump are connected to form a closed oil circuit as illustrated.

■ Neutral

When the speed control pedal is in its neutral position, control shaft (9) sets cam ring (7) concentrically with the pump rotor (5) to effect no oil delivery when the pump rotor rotates. Therefore no oil pressure generates in the oil circuit to keep ball piston motors stopped to cause no traveling.

■ By-pass Lever

When the engine is stopped or in the neutral state, ball piston motors (R), (L) are locked to effect rear wheel braking because of the closed oil circuit.

Operating by-pass lever (12) opens the check valve (11) to free ball piston motors, enabling the vehicle to be moved by manual pushing.

(1) Motor Rotor (R)
(2) Ball Piston
(3) Motor Race (R)
(4) Motor Shaft (R)
(5) Pump Rotor
(6) Ball Piston
(7) Cam Ring
(8) Pump Shaft
(9) Control Shaft
(10) Oil Tank
(11) Check Valve
(12) By-pass Lever
(13) Motor Rotor (L)
(14) Ball Piston
(15) Motor Race (L)
(16) Motor Shaft (L)

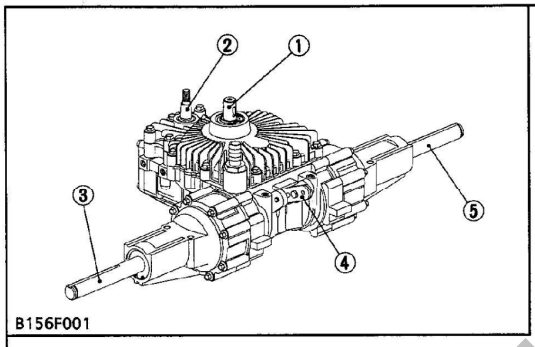
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2 CLUTCH AND TRANSMISSION

[3] HYDROSTATIC TRANSAXLE

T1700H is installed with Eaton's hydrostatic transaxle for easy changeover between forward and reverse travelings and speed control by one foot pedal. Clutch operation and shift lever operation are unnecessary. The hydrostatic transaxle, in its compact package, has the hydrostatic transmission, rear axle case with reduction gear and parking brake mechanism. The hydrostatic transmission block adopts a simple design consisting of one ball piston pump and two ball piston motors, attaining excellent durability requiring least maintenance.



(1) Input Shaft
(2) Control Shaft
(3) Rear Axle (Left)
(4) Brake Lever
(5) Rear Axle (Right)
(6) Cover
(7) Filter
(8) Valve Cover
(9) Dump Valve Bracket
(10) Axle Housing (Left)
(11) Housing
(12) Friction Pad
(13) Ball Piston Motor (Left)
(14) Reduction Gear (Left)
(15) Reduction Gear (Right)
(16) Axle Housing (Right)
(17) Push Rod
(18) Ball Piston Motor (Right)
(19) Cam Ring
(20) Ball Piston Pump

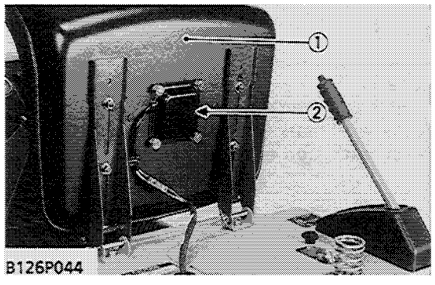
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2 TRANSMISSION AND REAR AXLE

[1] SEPARATING TRANSMISSION AND REAR AXLE

DISASSEMBLING AND ASSEMBLING

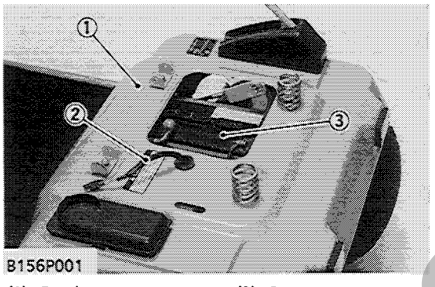


B126P044

Seat

1. Disconnect 2P connector from the seat switch (2).
2. Remove the seat (1) from the fender.

(1) Seat (2) Seat Switch



B156P001

(1) Fender (3) Battery
(2) Wiring

Fender and Battery

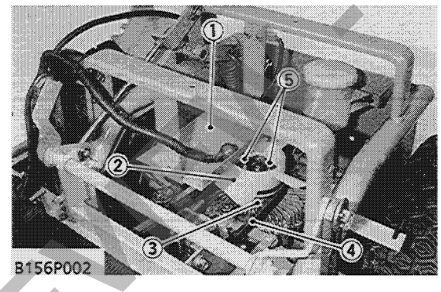
CAUTION

- **When disconnecting the battery cables, disconnect the ground cable from the battery first.**
  When connecting, connect the positive cable to the battery first.

1. Unscrew the fender mounting screws and remove the fender (1).
2. Disconnect the ground cable from the battery.
3. Disconnect the positive cable from the battery.
4. Remove the battery (3).

(When reassembling)

- Be sure to clamp the wiring (2) for the seat switch.



B156P002

Cooling Fan and Belt

1. Unscrew the mounting screw and remove the battery support (1).
2. Unscrew the fan mounting screw (5) and remove the cooling fan (2).
3. Separate the belt (4) from the tension pulley beneath the step.
4. Separate the belt (4) from the pulley (3).

(1) Battery Support (4) Belt
(2) Cooling Fan (5) Mounting Screw
(3) Pulley

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