2 CONTROLS AND OPERATION

Refer to Fig. 2.1A.

IMPORTANT: Be sure to read this section of the Operator's Manual before you attempt to operate your tractor. It is for your safety that you know where all controls are, and are familiar with the functions of each control.

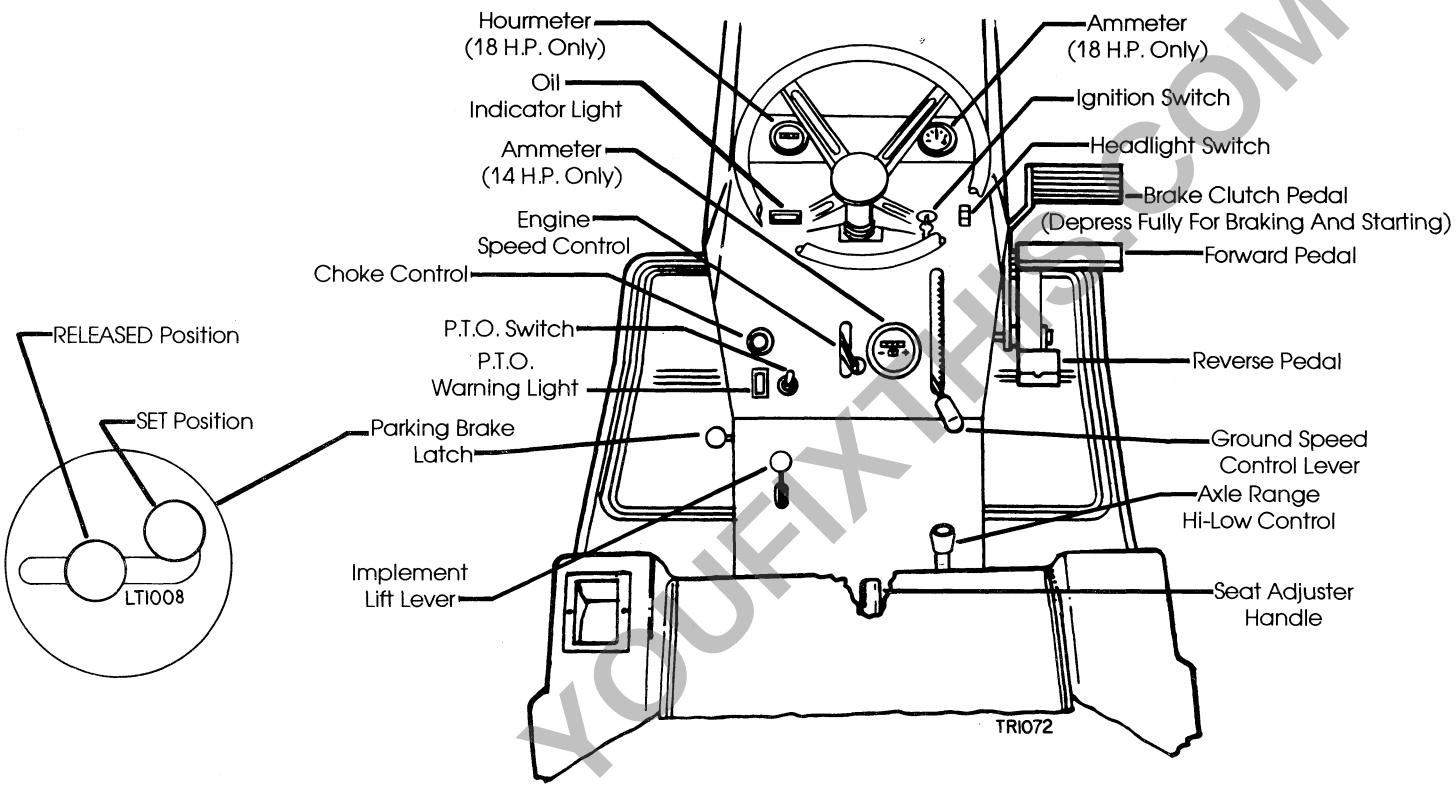


FIG. 2.1A

BRAKE CLUTCH PEDAL

This pedal is foot operated and controls only the brake on this tractor. The pedal is on the right-hand side of frame.

To operate: Depress brake clutch pedal fully. This will automatically put the hydrostatic traction drive in neutral and engage the brake.

NOTE: The brake clutch pedal must be completely depressed, and the P.T.O. switch must be in the OFF position before the engine can be started.

FORWARD AND REVERSE TRACTION DRIVE SPEED CONTROL PEDALS

The forward and reverse pedals are the two ends of a single rocker type assembly. These two pedals are located just above the right foot rest.

To operate: Depress the forward pedal end or the reverse pedal end to control the tractor's forward or reverse movement and speed. Resting your heel on the foot rest while depressing the forward pedal provides a comfortable foot position for long time operations.

GROUND SPEED CONTROL LEVER

This hand control provides the convenience of operating the tractor in forward movement without having to continuously depress the forward foot pedal. The ground speed control lever is located on the right-hand side of the instrument panel.

Operation: To maintain a desired ground speed, move the ground speed control lever to the left and upward, positioning it in a "notch" that maintains desired ground speed.

If ground speed control is not set for maximum ground speed, the control can be over-ridden by depressing the forward pedal to increase the ground speed not the engine speed. When forward pedal is released, the speed control will maintain the previously set ground speed.

To instantly disengage the speed control, apply the brake clutch pedal. The ground speed control can also be released by hand with a slight leftward nudge. **NOTE:** The reverse pedal is locked out when ground speed control is engaged. The ground speed control lever must be in the released position before the tractor can be reversed. The use of the ground speed control function is not possible when tractor is operated in reverse.

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BODY PARTS LIST

NOTE: Parts Are The Same For Both Models Except Where Specifically Identified.

REF. NO.	DESCRIPTION	QTY.
1	Instrument Panel & Decal Assembly (18 H.P. Only)	1
1	Instrument Panel & Decal Assembly (14 H.P. Only)	1
2	Assembly-Footrest R.H.	1
3	Assembly-Footrest L.H.	1
4	Pad Footrest R.H.	1
5	Pad Footrest L.H.	1
6	Support Assembly-Fender	1
7	Tray	1
8	Pad-Fender Support	2
9	Support-Front R.H.	1
10	Support-Front L.H.	1
11	Side Support-Gas Tank R.H.	1
12	Side Support-Gas Tank L.H.	1
13	Pad-Gas Tank Side Supports	4
14	Pad-Gas Tank	4
15	Gas Tank	1
16	Gauge Assembly-Fuel	1
17	Cap-Protector (Seat Springs)	2
18	Seat Pan	1
19	Pivot-Seat	1
20	Support-Seat & Slide w/Decal	1
21	Pivot Pin-Seat	1
22	Spring-Latch	1
23	Latch-Seat Pan	1
24	Pivot Pin-Spring	1
25	Spring-Seat	2
26	Taillight	2
27	Seat	1
28	Reinforcement-Hood Pivot	1
29	Bracket Hood Pivot	1
30	Rod-Hood Pivot	1
32	Hood Assembly	1
33	Grille Screen Assembly	1
34	Cable-Hood Restraint	1
35	Headlight	2
36	Headlight Plate	2
37	Emblem	1
38	Plate-Indicator	1
39	Fastener-Push	3
40	Quarter Turn Fastener	4
41	Retainer Clip	4
42	Nut-Retainer	4
43	Thread Forming Screw, Phillips Pan Hd. #10 x 3/4	2
44	Thread Forming Screw 5/16-18 x 1/2	12
45	Thread Forming Screw 5/16-18 x 3/4	11
46	Thread Forming Screw 5/16-18 x 1"	4
47	Flanged Grip Nut 5/16-18	2
48	Flanged Grip Nut 3/8-16	2
49	Flanged Grip Nut 1/4-20	6
50	Nut, Hex #10-32 Plated	4
51	Nut, Hex #10-24 Plated	4
52	Nut, Hex-Jam 5/16-18 Plated	2
53	Cap Screw, Hex Hd. 5/16-18 x 3/4 Plated, Grade 5	4
54	Cap Screw, Hex Hd. 5/16-18 x 1" Plated, Grade 5	2
55	Cap Screw, Hex Hd. 3/8-16 x 1/2 Plated, Grade 5	2
56	Cap Screw, Hex Hd. 1/4-20 x 5/8 Plated, Grade 5	1
57	Bolt, Carriage 1/4-20 x 3/4 Plated	6
58	Washer External Tooth #10 Plated	8
59	Washer, Spring Lock 5/16 Plated	4
60	Washer, Spring Lock 1/4 Plated	1
61	Washer	8
62	Washer	4
63	Washer, Flat SAE 3/8 Plated	2
64	Washer, Flat 5/16 Plated	4
65	Washer, Flat SAE 1/4 Plated	2
66	Fastener Push	4
67	Spacer-Seat Slide	4
68	Palnut	2
69	Spring Clip	1
70	Wire Clamp	2
71	Wire Clamp	2
72	Plug-Hole	1
73	Pin, Cotter 1/16 x 1/2 Plated	1
74	Pin, Cotter 3/32 x 3/4 Plated	2
75	Nut Plate-Indicator	1
76	Latch Hood	2
77	Rivet	4
78	Rivet	2

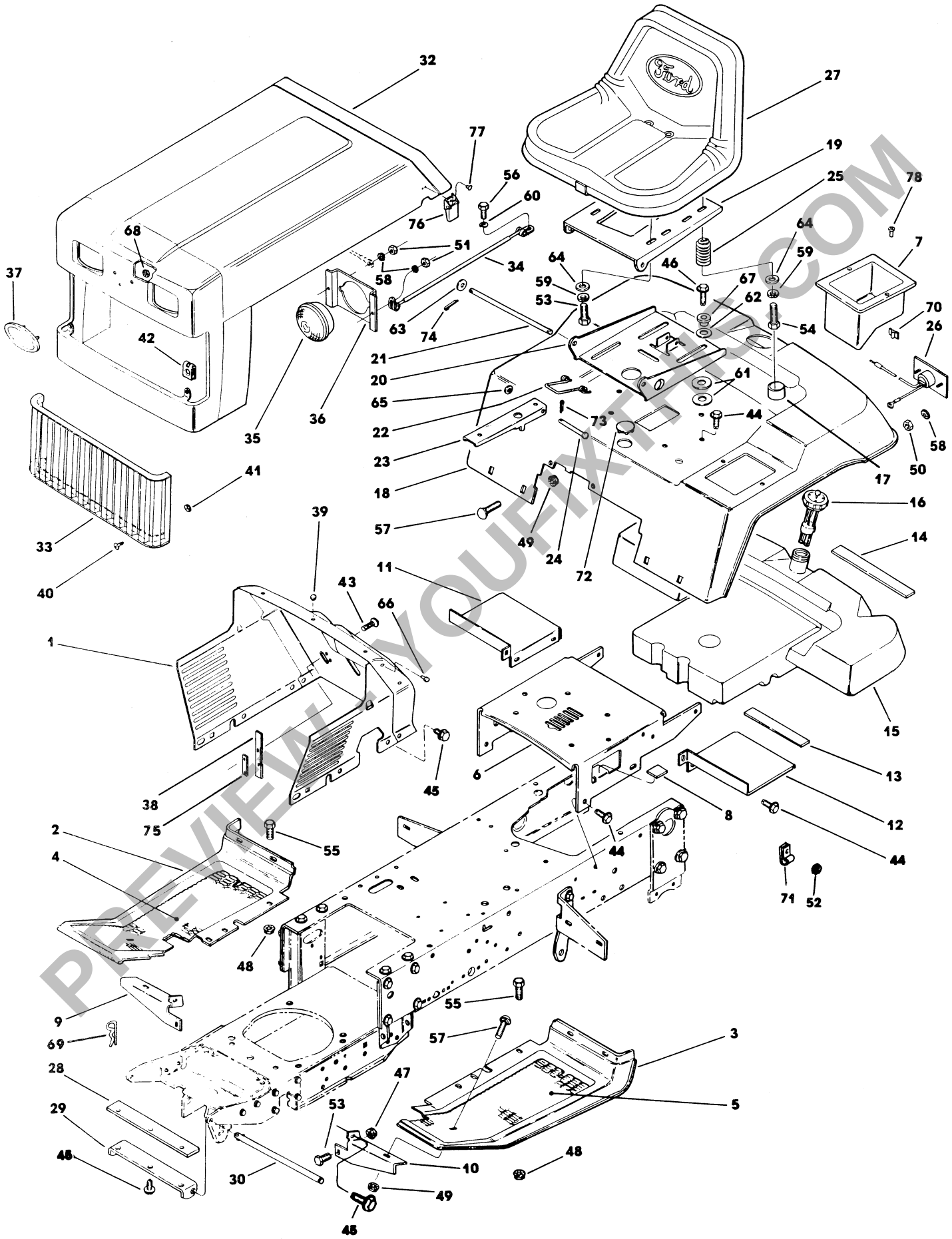
NOTE: All assemblies that list decals have only operational, instructional and safety decals. Other kinds of decals must be ordered separately.

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BODY PARTS

NOTE: Parts Are The Same For Both Models Except Where Specifically Identified.

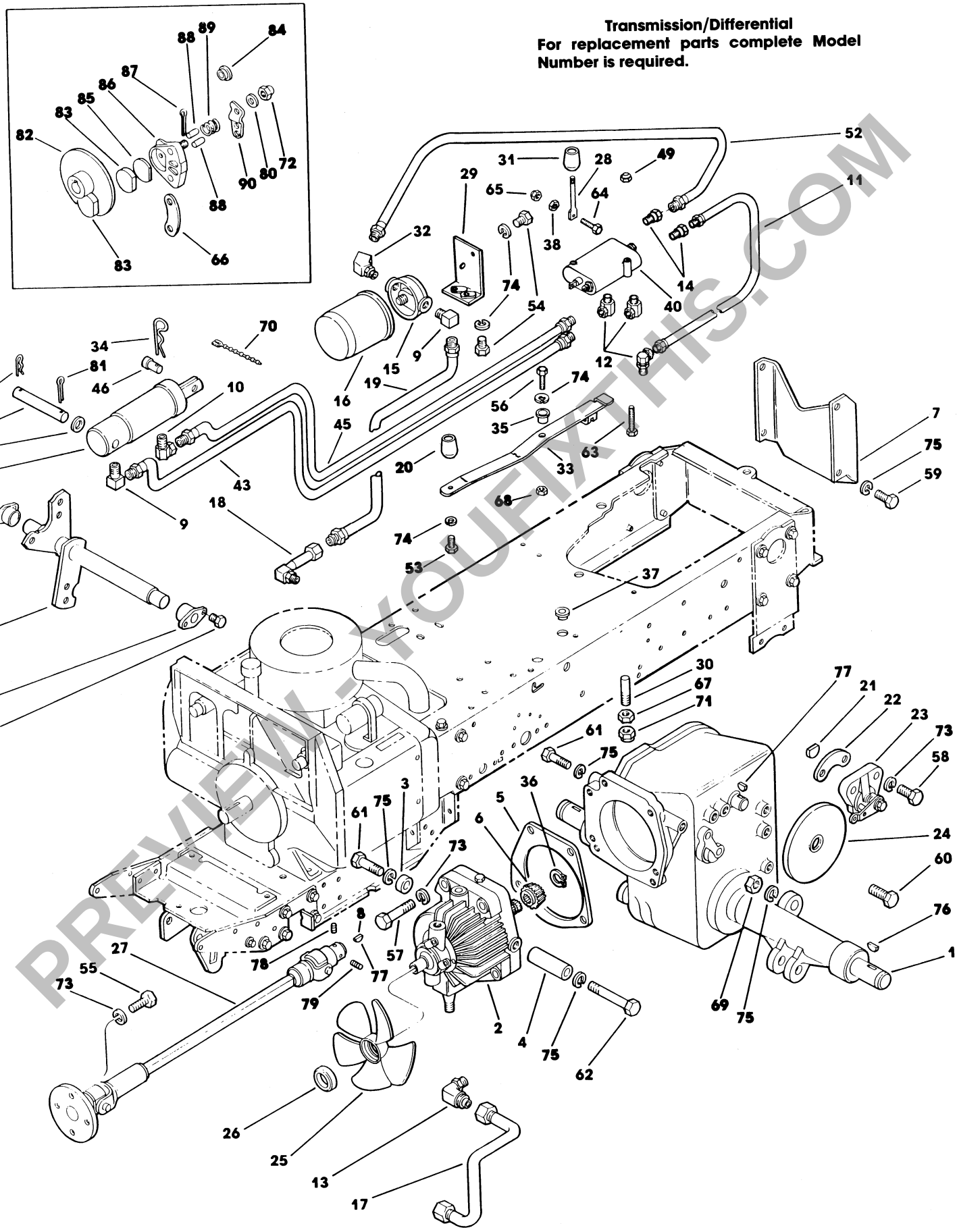


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TRANSMISSION & LIFT PARTS

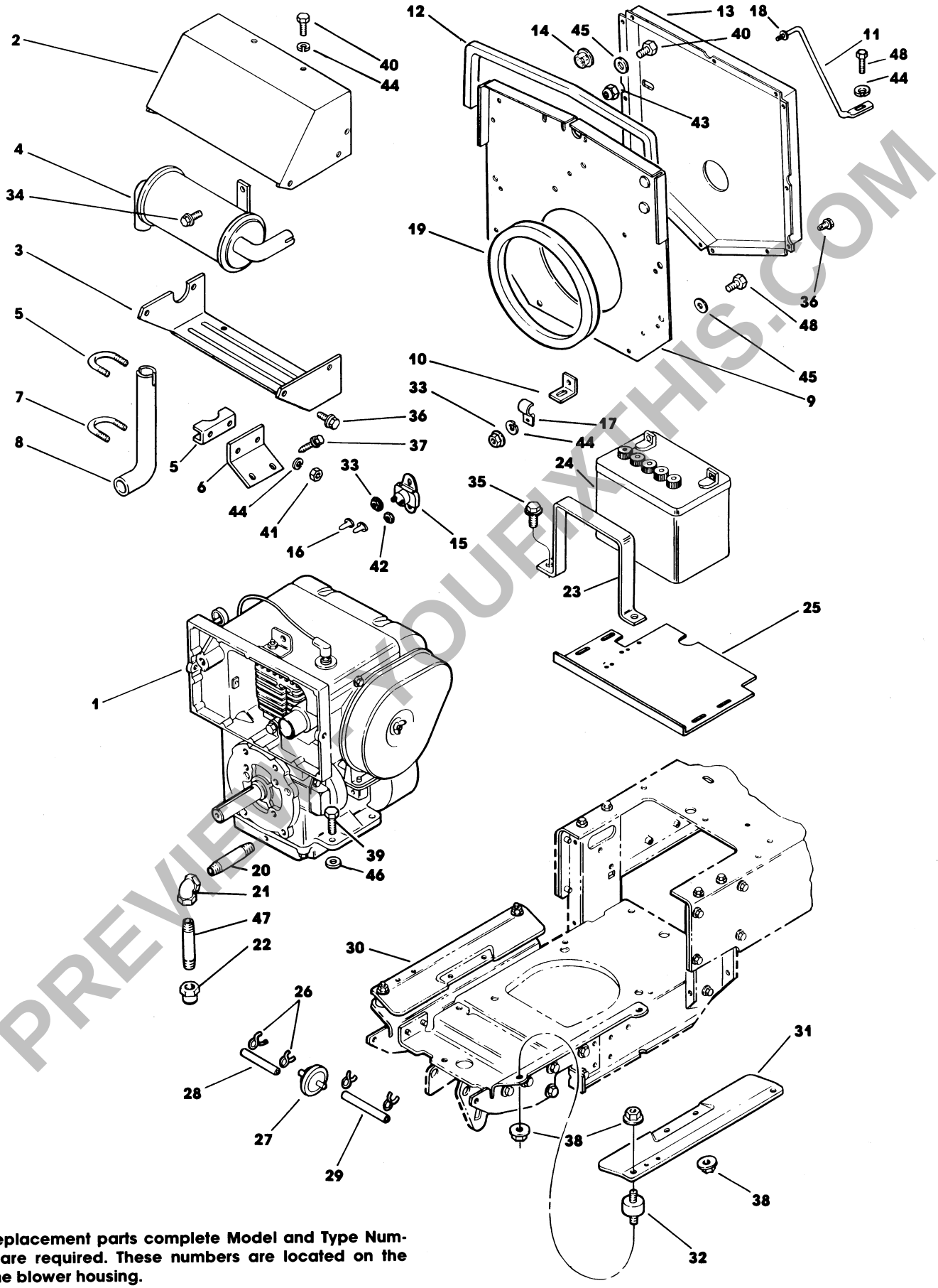
NOTE: Parts Are The Same For Both Models Except Where Specifically Identified.



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14 H.P. ENGINE PARTS



For replacement parts complete Model and Type Numbers are required. These numbers are located on the engine blower housing.

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BATTERY

Refer to Fig. 11.2A.

1. Battery Preparation

   A. Open tractor hood and remove battery strap from battery. Save the two screws.

   B. Take battery to a qualified service man and have it filled with electrolyte and for its initial charge. For best performance and life it should be filled and charged before installation.

WARNING: To avoid personal injury, do not fill battery with electrolyte when battery is on or near tractor. Provide ventilation when charging or using battery in an enclosed space. Lead acid batteries generate explosive gases. Keep sparks, flames and lit cigarettes away from battery. Never charge a frozen battery.

   a. Place battery on level surface; never in or on vehicle.

   b. Remove vent/filler caps and carefully fill each cell with battery grade electrolyte (1.265 Specific Gravity sulfuric acid) to level indicator in vent/filler well. Battery and electrolyte should be at 60°F to 80°F for best results.

WARNING: To avoid personal injury, if acid contacts eyes, skin or clothing flush immediately with large quantities of water. This battery contains sulfuric acid. In case of eye contact see a physician immediately. Keep out of children's reach. In case of internal contact, DO NOT give fluids that would induce vomiting. Call a physician immediately!

   c. Allow battery to stand for 30 minutes. Check each cell and add electrolyte to level indicator, if necessary. **DO NOT** overfill with electrolyte as this may cause electrolyte to flood over the cover of the battery during charging.

   d. To insure maximum initial charge, charge battery on 4 to 6 amp. manual (constant current slow charging) charger until all cells are gassing freely. Each cell should be checked with a hydrometer to ensure electrolyte specific gravity is at least 1.250. Total charging time should not exceed 6 hours. **NOTE:** We recommend that the use of "automatic" or "high rate" chargers be avoided. These types of chargers will not properly charge a freshly activated, dry charge battery when operated in their normal mode.

   e. At the end of the charging time, but while the battery is still on charge adjust the levels with electrolyte until it just touches the lowest part of the vent well. Turn off charger and disconnect cables.

   f. Replace vent/filler caps and wash off any electrolyte which may have spilled on the battery. Connect vent tube to battery if so equipped.

   g. Installation: Clean cable connectors. Install battery in vehicle. Tighten hold down brackets. Connect positive cable to positive terminal and negative cable to negative terminal. CONNECT THE NEGATIVE CABLE LAST!

2. Reinstall battery.

PARTS NEEDED:
(2) 5/16 x 3/4 Hex Hd. Cap Screws
(2) 5/16 Hex Nuts
(2) 5/16 SAE Flat Washers
(2) 5/16 Lock Washers

   A. Open latches on sides of hood and lift up.

   B. Clamp the battery in place (Fig. 11.2A). Use battery strap and two thread forming screws removed in step 1. **Do not overtighten.**

   C. Securely tighten the positive battery cable (with protective cap) to positive (+) battery terminal (Fig. 11.2B). After assembly, slide protective cap over terminal.

   D. Securely tighten the negative battery cable to negative (−) battery terminal.

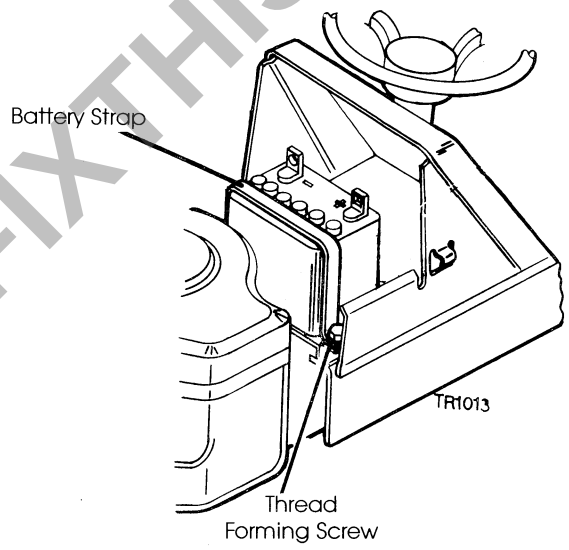


FIG. 11.2A

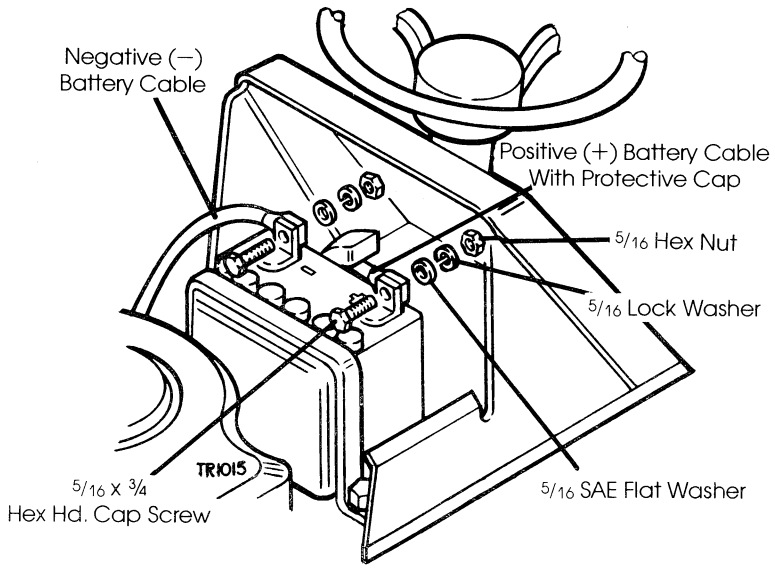
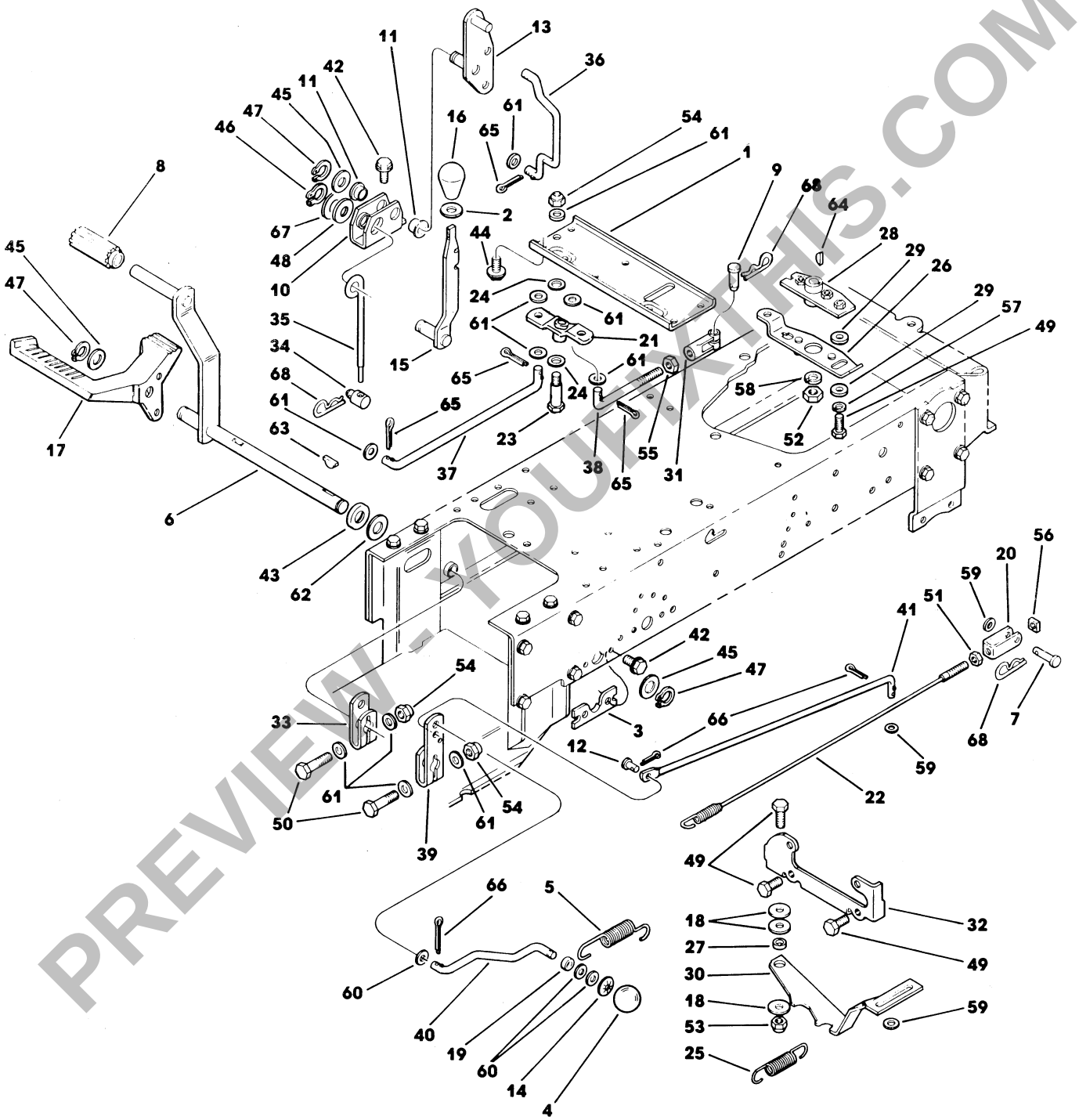


FIG. 11.2B

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BRAKE AND CONTROL PARTS

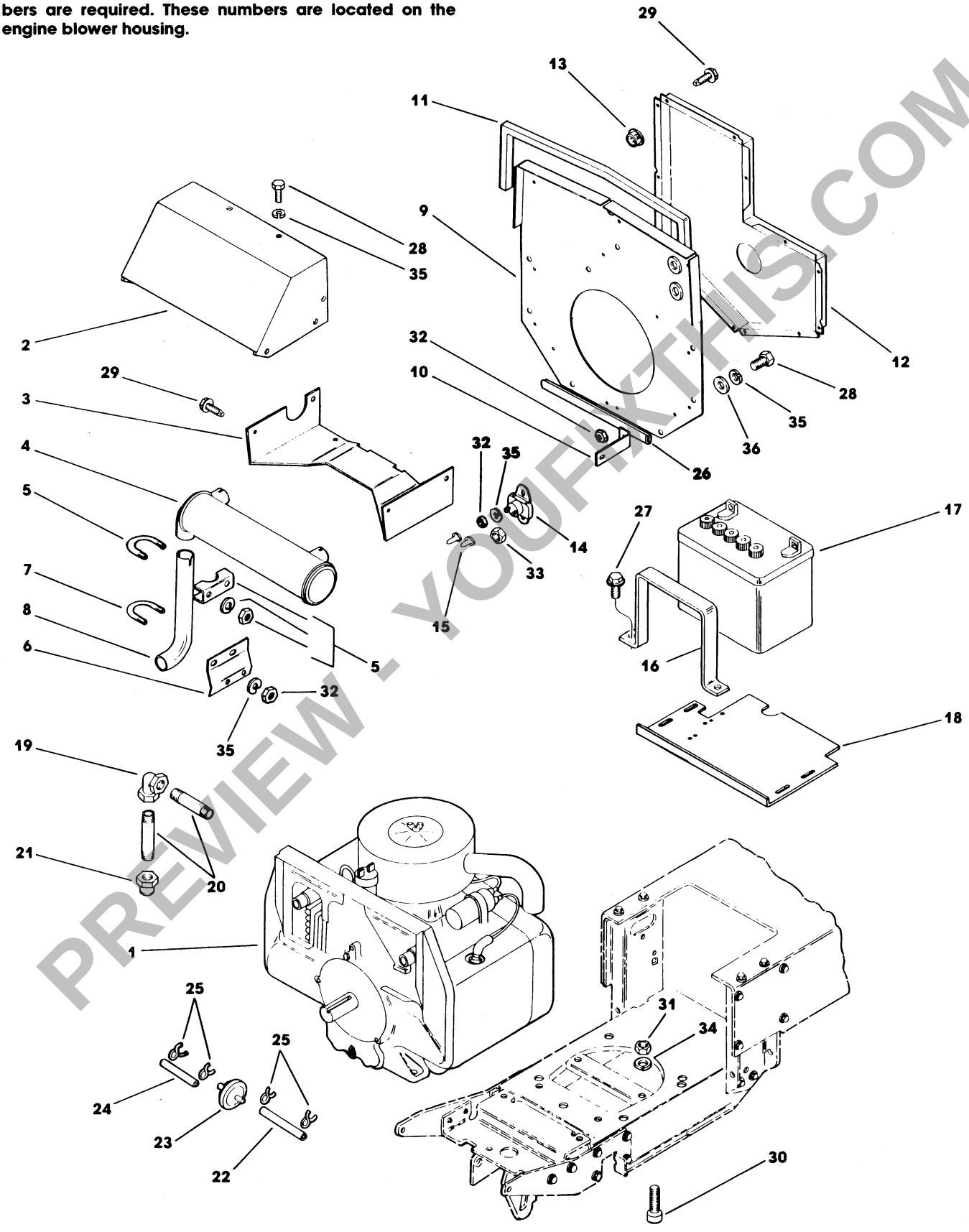


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18 H.P. ENGINE PARTS

For replacement parts complete Model and Type Numbers are required. These numbers are located on the engine blower housing.



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