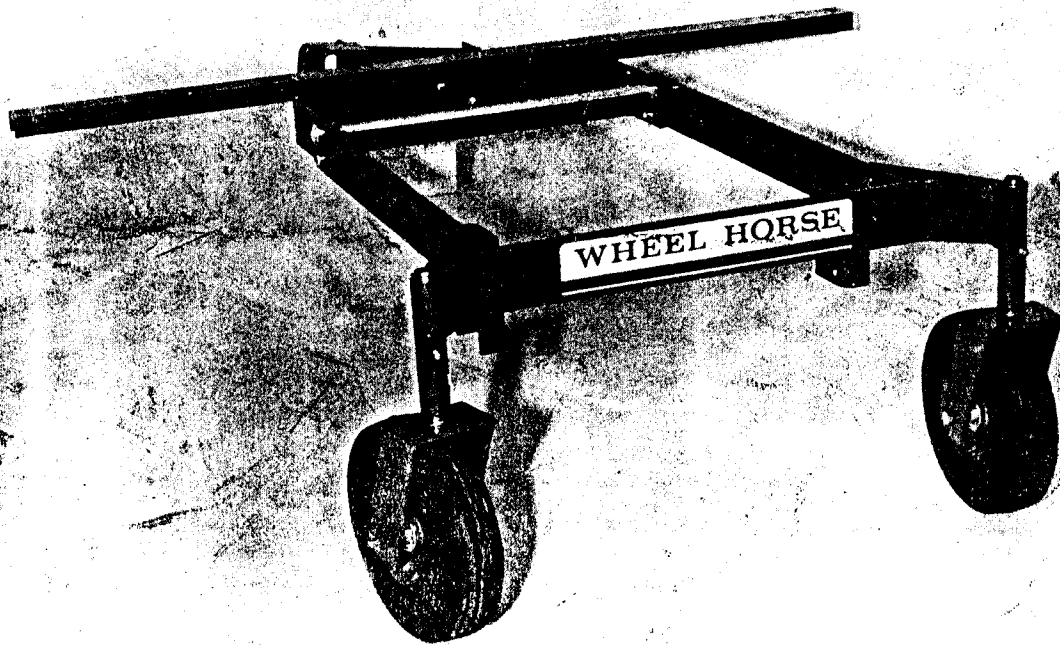


**OPERATING
AND
MAINTENANCE
INSTRUCTIONS
WITH
PARTS LIST**



WHEEL HORSE
lawn & garden tractors

**FRONT MOUNT
MOWER CARRIER
07-01MC01
07-01MC02**

VEHICLE IDENTIFICATION (VIN) NUMBER

A Vehicle Identification Number identifies your Wheel Horse attachment. This number should always be referred to when consulting with your dealer or the factory concerning service, replacement parts, or questions you may have. If the VIN plate is removed during repair operations it should always be replaced. The VIN for this attachment appears on the front cover of this manual.

ASSEMBLY

NOTE

The front mount carrier places a higher than normal load on the tractor's front wheels. Replacement of the front wheel bearings with current service parts is recommended on 1982 and prior C-Series and 1984 and prior GT-Series tractors.

PREPARE MOWER (Fig. 1-5)

NOTE

Mower changes apply to 1978 and later mowers. Earlier models may not work with the mower carrier.

48 in./122 cm SD Mower: Obtain the two special thin 3/8-16 lock nuts. Remove the two 3/8-16 E.S. nuts from the mower idler bar and discard. Saw off the edge of the plastic washer located under the lower nut, then assemble the parts as shown in Fig. 1. This change lowers the idler spring for belt clearance.

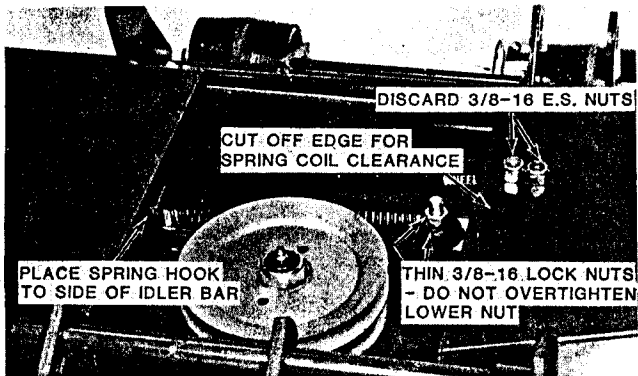


FIG. 1. Lower Idler Spring (48 in./122 cm Mower)

Make a number of saw cuts about half-way down the support plate at the rear of the mower (Fig. 2). Bend the "tabs" just formed back and down, which will provide belt clearance. This can be done by clamping a pair of locking pliers to the plate and progressively bending the metal. This area can also be removed by filing or grinding.

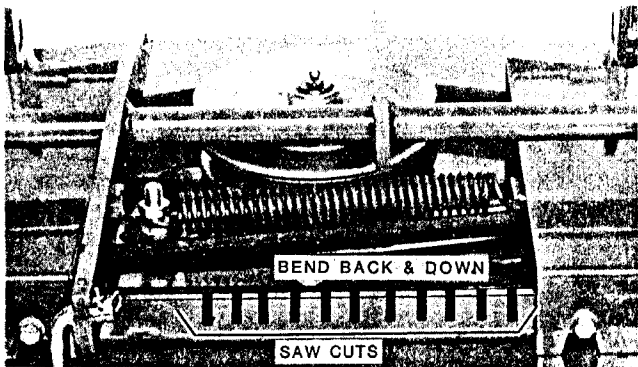


FIG. 2. Cut and Bend Support Plate (48 in./122 cm Mower)

42 in./107 cm SD Mower: Obtain the 3/8-16 x 1 1/4 bolt and the two special thin 3/8-16 lock nuts. Remove the 3/8-16 x 1 3/4 bolt and two 3/8-16 E.S. nuts from the mower idler bar and discard. Saw off the edge of the plastic washer located under the lower nut, then assemble the parts as shown in Fig. 3. This change lowers the idler spring for belt clearance.

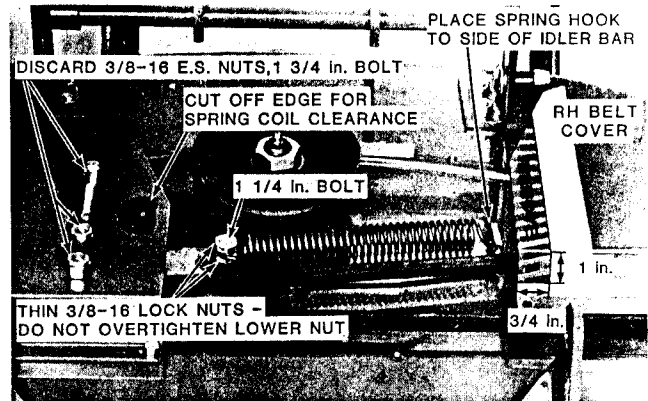


FIG. 3. Lower Idler Spring (42 in./107 cm Mower)

Remove the Right Hand belt cover. Measure off and remove the area shown in Fig. 3 with a hacksaw. This change is necessary for belt clearance.

Either Mower: Remove both rear gage wheels and the front hitch shaft (Fig. 4). The carriage bolts, nuts and spacers from the front hitch shaft will be used to secure the mower to the carrier frame. Save the gage wheels and attaching hardware, so the mower can still be set up for the mid-mount position.

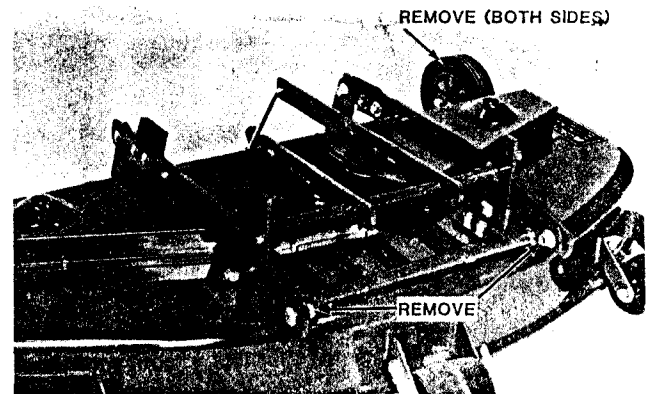


FIG. 4. Remove Gage Wheels & Hitch Shaft (Either Mower)

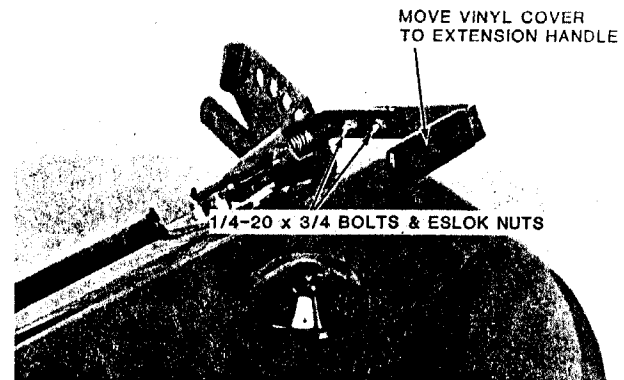


FIG. 5. Install Height Control Handle

Install the extension handle as shown in Fig. 5. It will be necessary to drill one 1/4 in. hole through the mower's height control handle.

CARRIER ASSEMBLY (Fig. 6-13)

Assemble both front wheels to the swivels as shown in Fig. 6.

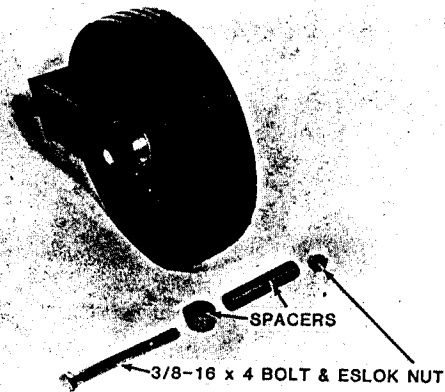


FIG. 6. Front Wheel/Swivel Assembly

Assemble the "V" idler and spring to the mid-mount idler shaft (Fig. 7).

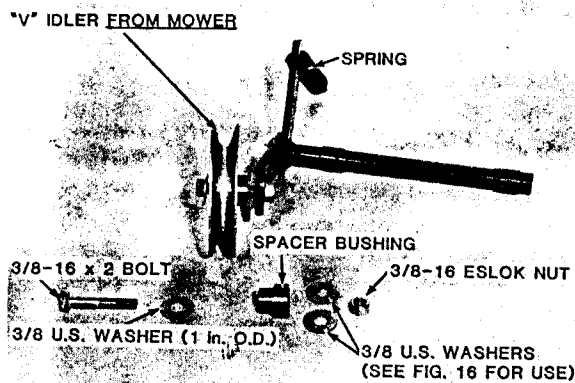


FIG. 7. Mid-Mount Idler Assembly

Attach the flat idler to the hitch frame. Secure the idler at the end of the slot nearest the edge of the bracket (Fig. 8).

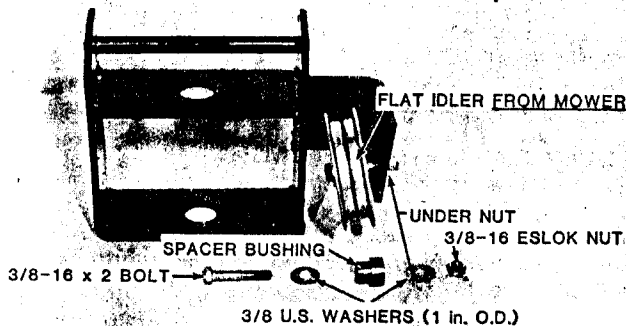


FIG. 8. Install Flat Idler

Secure the hitch frame to the pivot frame (Fig. 9).

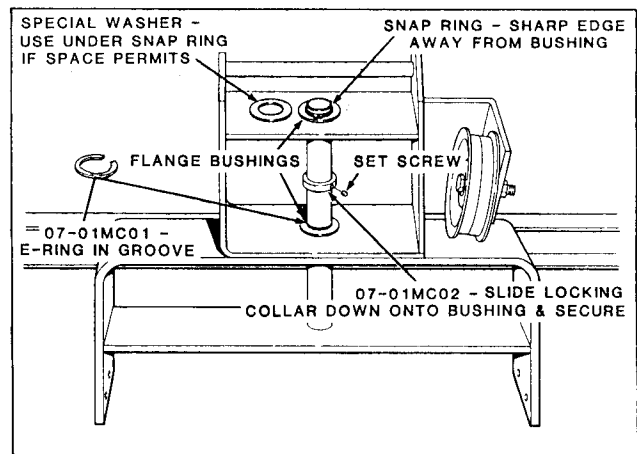


FIG. 9. Assemble Hitch & Pivot Frames

Obtain the long pivot rod, two 1/8 x 1 cotter pins, four 1/2 SAE washers, two 1/2 x 1 1/4 clevis pins, and two hairpin cotters. With the frames positioned as shown in Fig. 10, place the pivot rod in the upper holes and the clevis pins in the lower holes of the hanger and pivot frames.

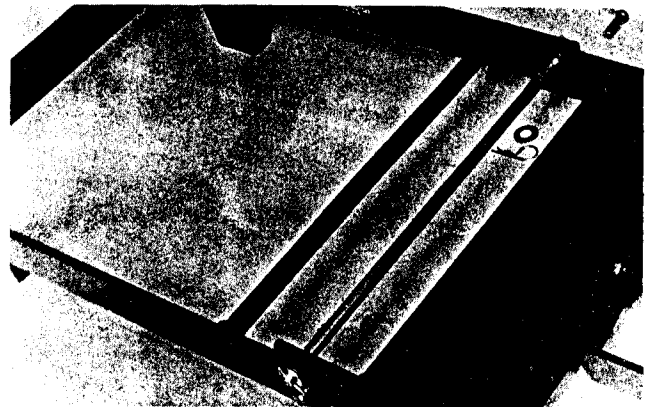


FIG. 10. Assemble Pivot and Hanger Frames

Insert a bushing in the top of each hanger frame swivel tube and slip another bushing on the shaft of each wheel swivel. Secure the wheel swivel to the hanger frame with a snap ring, sharp edge away from the bushing. Grease the wheels and swivel bushings with #2 multi-purpose lithium grease applied with a pressure grease gun.

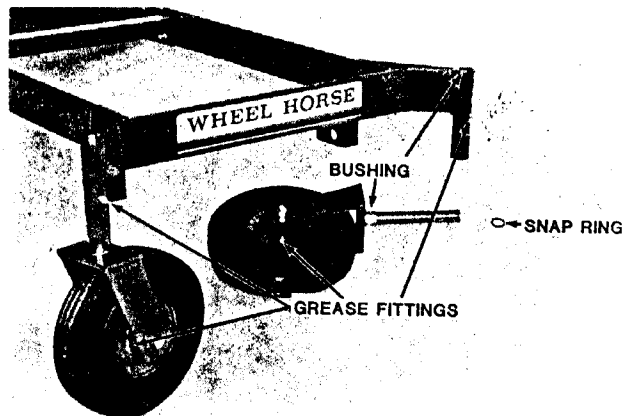


FIG. 11. Install Wheels

Center the mower carrier over the mower. Connect the gage wheel arms to the pivot frame as shown in Fig. 12.

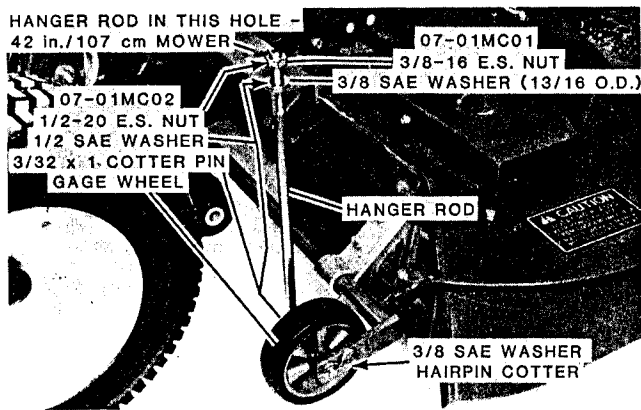


FIG. 12. Install Hanger Rods (48 in./122 cm Mower Shown)

Attach the front of the mower to the hanger frame, using the hardware that held the hitch shaft (Fig. 13).

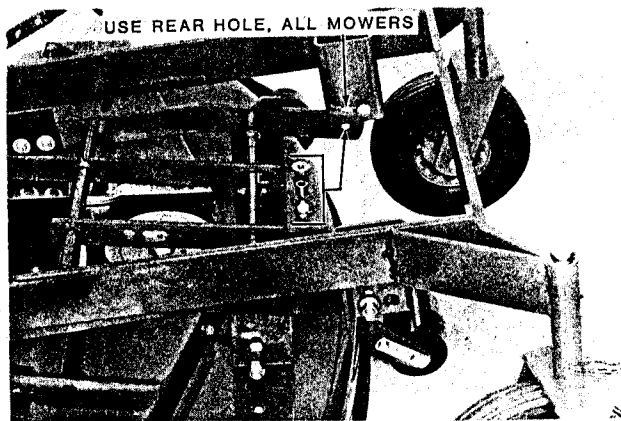


FIG. 13. Attach Front of Mower

INSTALLATION AND ADJUSTMENT

ATTACH CARRIER TO TRACTOR (Fig. 14)

Place the mower's rear anti-scalp rollers on 3-4 in. (7.6 - 10 cm) thick wood blocks, in front of the tractor. Open the front Tach-a-matic hitch, roll the mower/carrier assembly back and lock the hitch frame into the front hitch.



FIG. 14. Lock Frame In Front Hitch

INSTALL MID-MOUNT IDLER AND BELT (Fig. 15)

Install the mid-mount idler bracket in the mid Tach-a-matic hitch. Secure the spring bracket to the frame with a 3/8-16 x 1 bolt and Eslok nut (Fig. 15). Tighten the bolt so the spring bracket is still free to move.

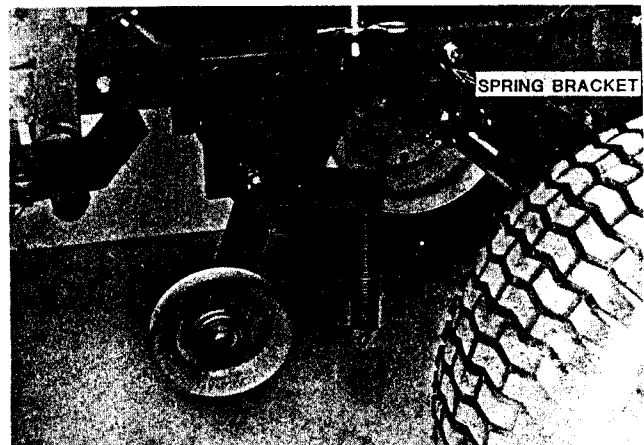


FIG. 15. Install Mid-Mount Idler Bracket

Install the drive belt as shown in Fig. 16. Note that one belt strand is outside the rod housing on the PTO, and that it runs below the front axle. Therefore, disassemble the PTO clutch to permit the belt to be inserted at the top. The right front wheel must also be rolled over one strand of the belt.

BELT SELECTION TABLE

Tractor Mower	Belt P/N
C-195 w/48" SD	110138*
C & GT-Series w/48" SD	102742**
Single Cylinder C & GT-Series w/42" SD	109956*
Twin Cylinder C & GT-Series w/42" SD	102742**

*Supplied with this attachment

**Supplied with mower

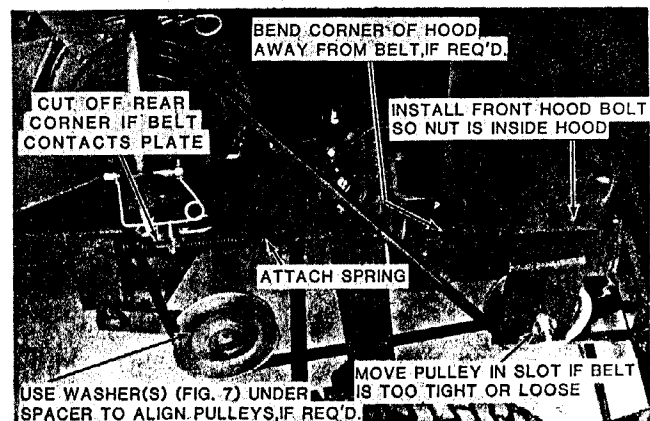


Fig. 16. Belt Installation

HEIGHT AND LEVEL ADJUSTMENT (Fig. 17)

Turn the nut at the top of each hanger rod until the 3 in. (7.6 cm) dimension shown is obtained. This adjustment places the mower at the same height it was when the gage wheels were installed, so that cutting heights will be correct.

Front-to-rear level adjustment should be made next, using the level adjustment nut (Fig. 17). Refer to the Operator's Manual supplied with the mower for the adjustment procedure.

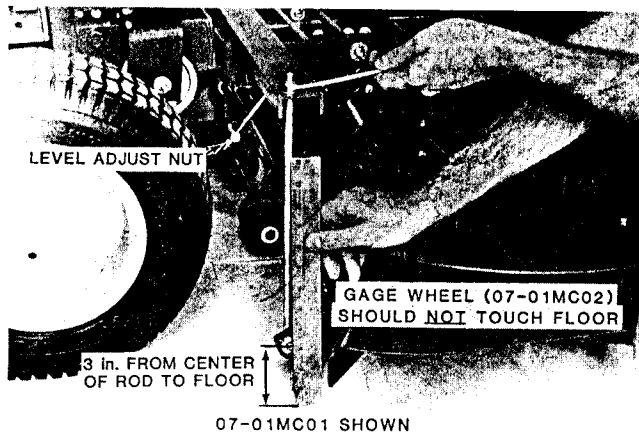


FIG. 17. Height Adjustment

REMOVAL

To remove the mower carrier:

1. Remove the drive belt (Fig. 16)
2. Remove the mid-mount idler bracket (Fig. 15)
3. Place the rear anti-scalp rollers on wood blocks, unlock the front hitch, and roll the carrier away from the tractor (Fig. 14).

OPERATION

! WARNING !

Keep all shields in place. Never attempt to clear discharge areas or mower blades, or make any adjustments or repairs, without first disengaging the mower and removing the ignition key.

IMPORTANT

Each time the mower carrier is installed, check for proper operation of the PTO clutch and brake. The adjustment procedure is contained in the tractor Operator's Manual.

Operation of the mower with the mower carrier is similar to operation in the mid-mount location. Be sure to familiarize yourself with the information in the mower Operator's Manual before using it with the mower carrier.

The front mower location is ideal for getting under fences, bushes and trees with low-hanging branches, and other areas where an overhang would prevent use of the tractor with a mid-mounted mower. Also, because the tractor is behind the mower, the grass is not matted down by the front tires before passing under the mower. Caution should be used when mowing in unfamiliar areas. Be sure to check for hidden objects that could damage the mower before beginning work.

The mower may leave more uncut grass during turns, because it travels at greater speed and through a longer arc in the front mount location. Care should be exercised when turning, due to the increased length of the vehicle.

Use extra care when trimming. Travel at a slow speed so you can keep an eye on the area ahead and alongside the mower so it will not get caught on fixed objects. Also avoid deep dips in the terrain, as the mower can more easily become caught in the middle or on either side in the front location.

MAINTENANCE

Lubricate the swivel bushings and wheel bearings (Fig. 11) after every 50 operating hours. Use #2 multi-purpose lithium grease, applied with a pressure grease gun. Before each use, inspect that all parts are in place and in good condition.

The mower can be easily raised to permit underside cleaning. To do this, remove the drive belt from the mower pulley on 42 in./107 cm mowers. The drive belt does not have to be removed on 48 in./122 cm mowers. Next, remove the bottom end of the hanger rods from the gage wheel arms (Fig. 18) and the two clevis pins below the pivot rod (Fig. 10). Then, pick up the front of the mower and stand it up as shown in Fig. 18. Insert one of the clevis pins and secure with a washer and hairpin cotter to "lock" the mower in the cleaning position.

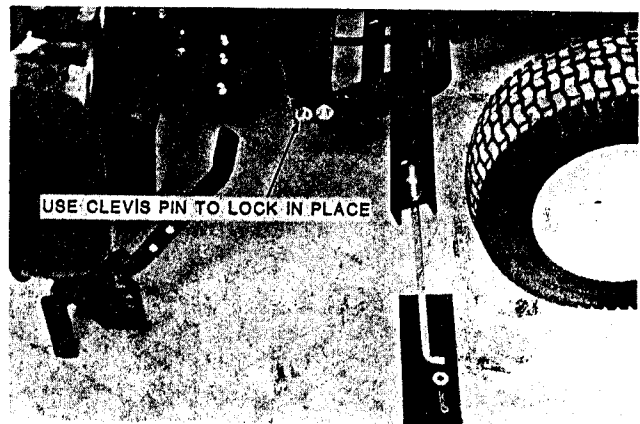
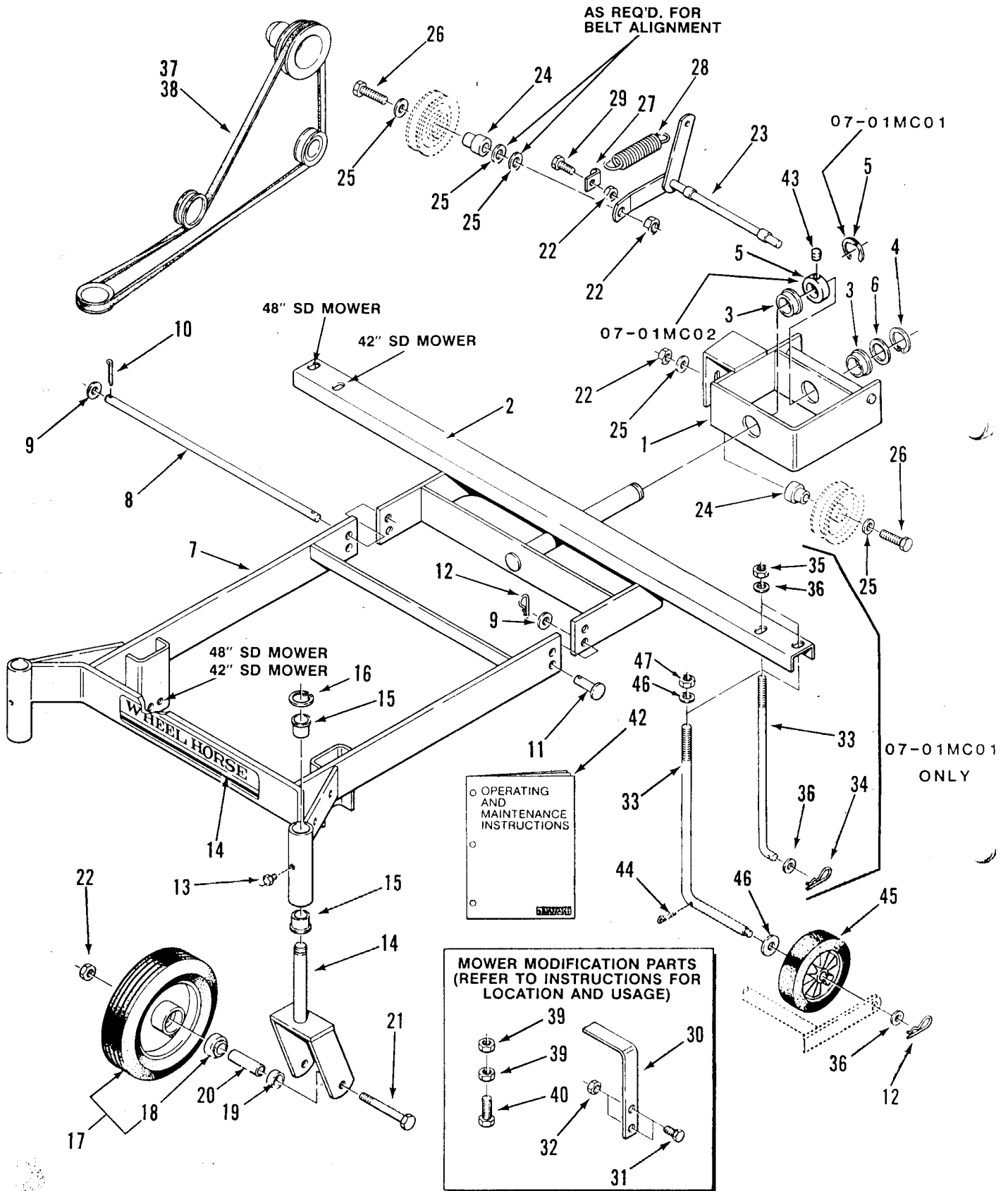


FIG. 18. Mower in Cleaning Position (07-01MC01 Shown)

FRONT MOUNT MOWER CARRIER
VEHICLE IDENTIFICATION NUMBER 07-01MC01, 07-01MC02



FRONT MOUNT MOWER CARRIER
VEHICLE IDENTIFICATION NUMBER 07-01MC01, 07-01MC02

Parts available only through Authorized Dealers.

When ordering parts always list Part No. and Description.

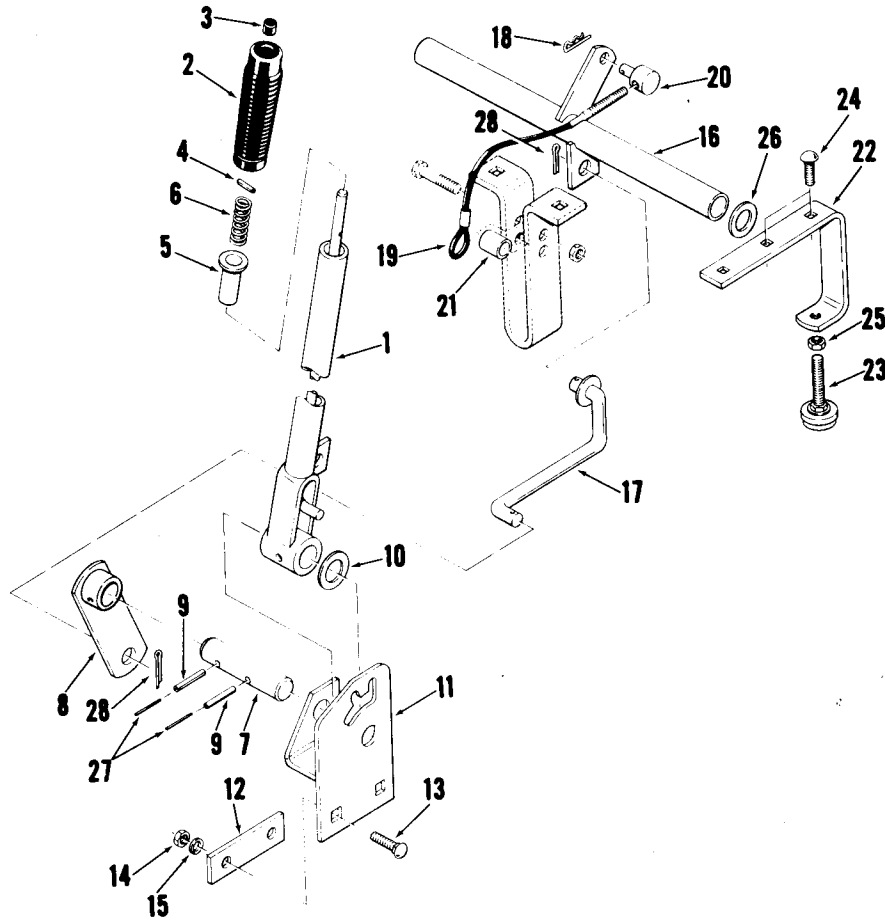
(Specifications subject to change without notice.)

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	109927	Hitch Frame.	1
2	110119	Pivot Frame 07-01MC01	1
2	110517	Pivot Frame 07-01MC02	1
*3	103007	Bushing.	2
*4	7939	Snap Ring 1" HD.	1
*5	8192	Locking Collar 07-01MC02	1
5	5700	E-Ring 1" 07-01MC01	1
*6	920251	Special Washer.	1
7	109938	Hanger Frame.	1
8	109945	Pivot Rod.	1
*9	920011	Washer 1/2 SAE.	4
*10	932017	Cotter Pin 1/8 x 1.	2
*11	932997	Clevis Pin 1/2 x 1 1/4.	2
*12	933505	Hairpin Cotter, (2 used, 07-01MC01)	4
13	1030	Grease Fitting.	4
14	109946	Swivel.	1
*15	106872	Bushing.	4
*16	936125	Snap Ring 3/4.	2
17	109900	Wheel Assembly 8 x 2.50.	2
18	105720	Ball Bearing.	2
*19	100686	Spacer.	2
*20	109950	Spacer.	2
*21	908044	Bolt 3/8-16 x 4.	2
*22	915113	Eslok Nut 3/8-16.	5
23	109951	Mid-mount Idler Shaft.	1
*24	109785	Spacer.	2
*25	920039	Washer 3/8 U.S.	5
*26	908038	Bolt 3/8-16 x 2.	2
*27	2534	Spring Clip.	1
*28	100071	Spring.	1
*29	908034	Bolt 3/8-16 x 1.	1
30	106380	Extension handle.	1
*31	908003	Bolt 1/4-20 x 3/4.	2
*32	915111	Eslok Nut 1/4-20.	2
33	4384	Hanger Rod 07-01MC01	2
33	110519	Hanger Rod 07-01MC02	2
34	933504	Hairpin Cotter, 07-01MC01 Only	2
*35	915663	E.S. Nut 3/8-16.	2
*36	920009	Washer 3/8 SAE, (4 used, 07-01MC01)	2
37	109956	Drive Belt — Short (45.5 in./116 cm Wheel Base Tractors).	1
38	109957	Drive Belt — Long (52.5 in./133 cm Wheel Base Tractors).	1
*39	109779	Special Jam Nut 3/8-16.	2
*40	908035	Bolt 3/8-16 x 1 1/4.	1
41	108580	Wheel Horse Decal.	1
*42	810301R2	Operating And Maintenance Instructions.	1
*43	909531	Eslok Set Screw 1/4-20 x 3/8 07-01MC02	1
*44	932009	Cotter Pin 3/32 x 1 07-01MC02	2
45	109375	Gage Wheel 5 x 1.3 in. 07-01MC02	2
*46	920011	Washer 1/2 SAE. 07-01MC02	4
*47	915665	E.S. Nut 1/2-13 07-01MC02	2

*Indicates Part of Loose Parts Package 807041, 07-01MC02 Only

**PARTS LIST FOR ATTACHMENT LIFT
FACTORY ORDER NUMBER 8-4321**

Parts available only through Authorized Dealers.
When ordering parts always list Part No. and Description.
(Specifications subject to change without notice.)



ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	107549	Lift Lever	1
2	6542	Grip	1
3	105316	Rod Cap	1
4	933148	Spirol Pin $\frac{1}{8} \times \frac{1}{2}$	1
5	8130	Spring Retainer	1
6	3624	Spring	1
7	107559	Lift Pin	1
8	107560	Lift Arm	1
9	933215	Roll Pin $\frac{1}{4} \times 1\frac{1}{4}$	2
10	7993	Thrust Washer	1
11	107678	Quadrant	1
12	107558	Reinforcing Plate	1
13	900064	Carriage Bolt $\frac{3}{8}$ -16 x $1\frac{1}{4}$, Grade 5	2
14	915113	Nut $\frac{3}{8}$ -16	2
15	908033	Lockwasher $\frac{3}{8}$	2
16	108386	Lift Tube	1
17	108389	Lift Rod	1
18	933505	Hairpin Cotter	1
19	108390	Lift Cable	1
20	104524	Trunnion	1
21	108391	Spacer	1
22	108392	Leveler Bracket	2
23	100087	Leveler	2
24	900038	Carriage Bol: $\frac{5}{16}$ -18 x 1	4
25	915112	Nut $\frac{5}{16}$ -18	2
26	920013	Washer $\frac{5}{8}$ U.S. (use as required)	2
27	933267	Spirol Pin $\frac{5}{32} \times 1\frac{1}{4}$	2
28	932009	Cotter Pin $\frac{3}{32} \times 1$	2