

# SET UP

## PREPARATION OF MOWER

### FASTEN GRASS DEFLECTOR TO DECK

1. Remove bolt (S), flat washer, and lock washer from front of mower deck. (See Fig. 8)
2. Put strap of grass deflector (T) over hole in mower deck and insert bolt (S) with flat washer and lock washer to secure grass deflector(T) to mower deck.

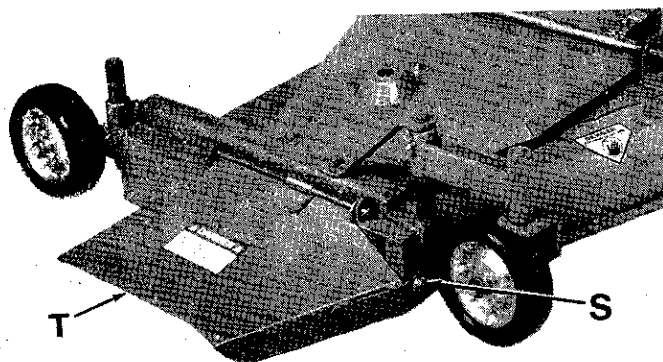


FIG. 8



## WARNING

GRASS DEFLECTOR MUST BE BOLTED TO DECK WHENEVER MOWER IS BEING OPERATED TO PREVENT OBJECTS WHICH MAY BE PICKED UP BY MOWER FROM LIFTING DEFLECTOR AND BEING THROWN FROM MOWER.

### INSTALL UPSTOP SPACERS

Upstop spacers, found in bag of parts, must be added to mower only if tractor is four wheel drive with Ag tires.

Install two upstop spacers (X) to front of mower and upstop spacer (Y) to rear of mower. (See Fig. 9)

### REMOVE MOWER LIFT BARS

Mower lift bars (U) must be removed from the mower deck to allow mower to be placed under the tractor. Slide mower lift bars (U) to the rear of the mower deck to remove them from the front lift anchor (V). Raise the lift bars (U) slightly and slide them forward from the rear lift anchor (W). (See Fig. 9)

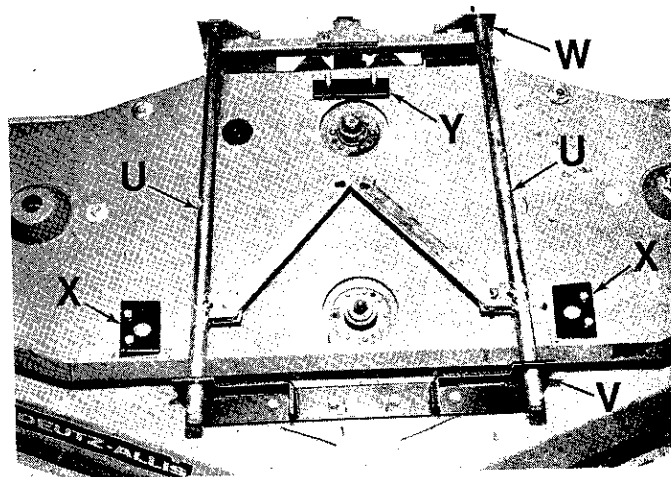


FIG. 9

### POSITION MOWER WHEELS

Mower wheels must be pivoted to 90 degree from normal direction of mower travel to allow mower to be placed under the tractor from the side. Rear wheels of mower have been inserted into the mower pivot brackets upside down for shipping purposes and must be removed from the pivot brackets and re-inserted with the wheels down before pivoting to the 90 degree position. (See Fig. 10)

1. Put mower deck (D) at right side of tractor. (See Fig. 10)
2. Turn tractor front wheels to the left as far as they will go. Set the parking brake on the tractor.
3. The tractor needs to have the front wheels blocked up or raised about 4" from the ground.
4. Move mower deck (D) under tractor until the mower deck is centered.
5. Re-position mower wheels to normal direction of mower travel and remove blocks or lower tractor.
6. Re-install mower lift bars (U) into mower by first inserting into rear lift anchors (W), then sliding mower lift bars (U) forward into front lift anchors (V). (See Fig. 9)

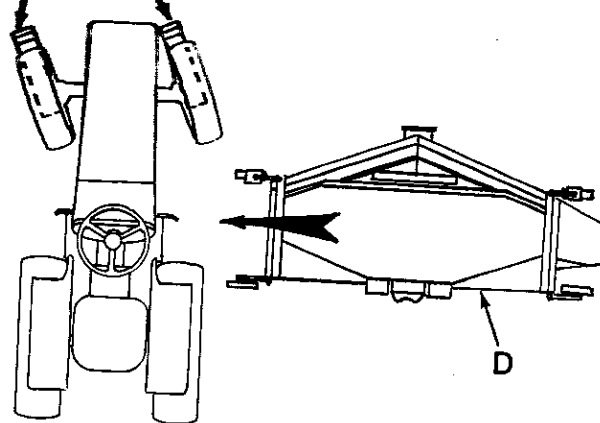


FIG. 10

#### CONNECTING MOWER DECK TO TRACTOR

1. Put front mounting assembly (B) up into front mounting bracket (A). (See Fig. 11) Release four snap pins of front mounting assembly (B) into holes of front mounting bracket (A).
2. Install pivot bracket (T) to tube on roller bracket of mower deck using pivot pin (P) found in pivot bracket (T). (See Fig. 11)
3. Install end of lift link (M) onto pin of lift anchor/up stop (C) and secure with hair cotter pin. (See Fig. 12) Install other lift link (M) to opposite side of tractor.

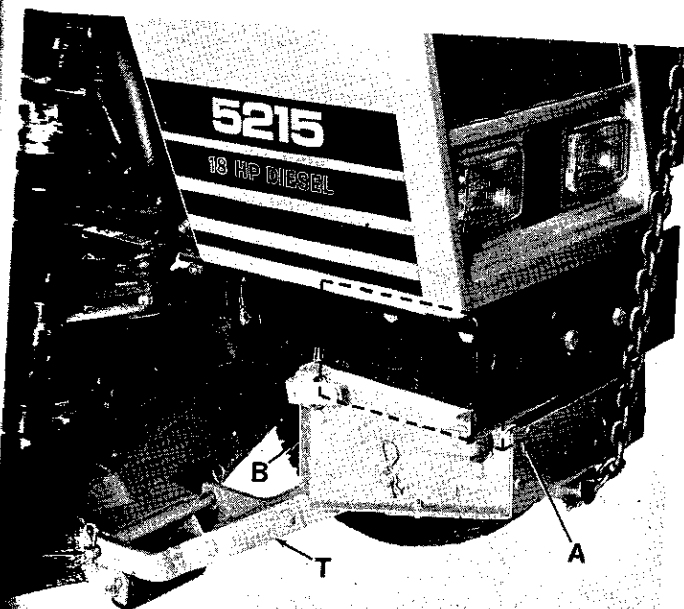


FIG. 11

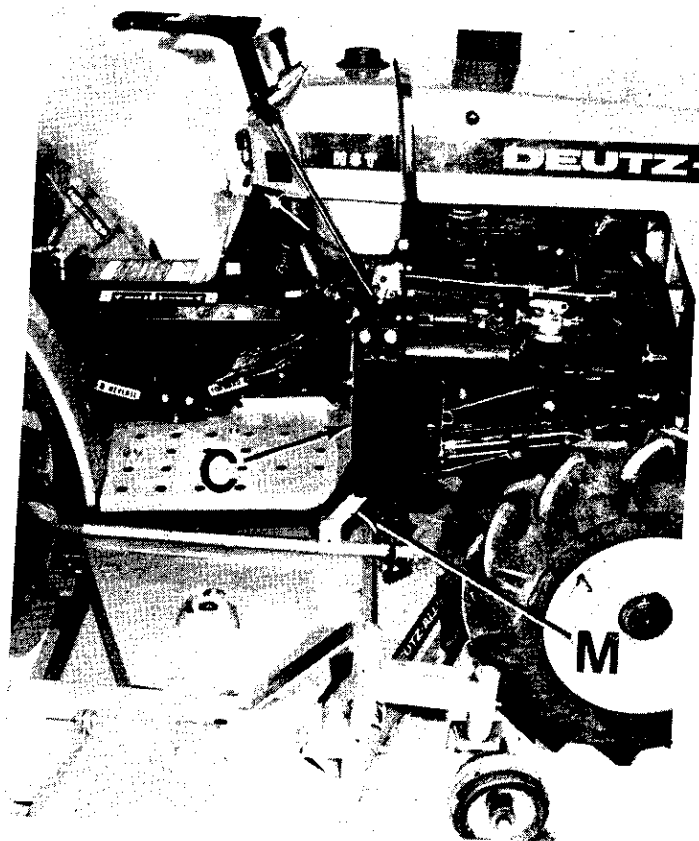


FIG. 12

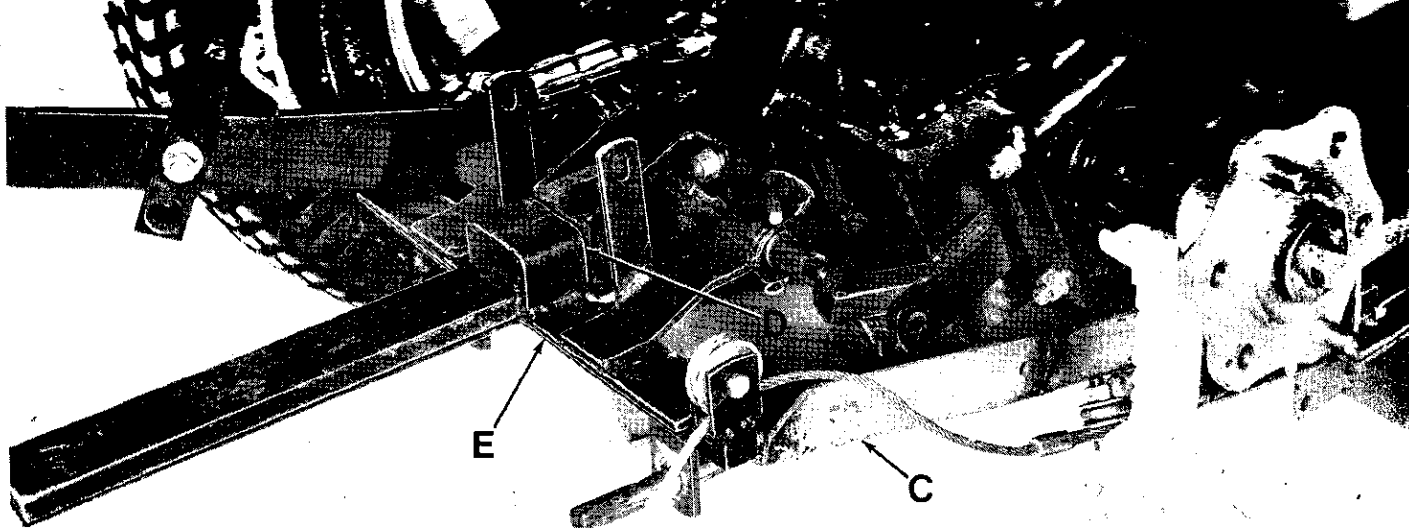


FIG. 13

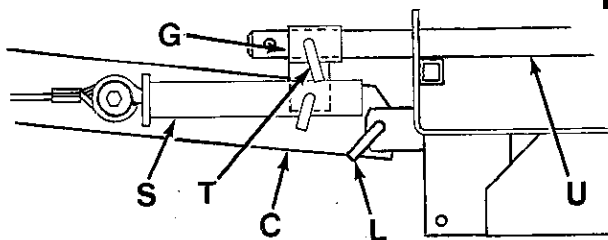


FIG. 14

4. Install rear stabilizer pan (C) to mounting clevises at rear of mower deck using locating pins (L). (See Fig. 14) Secure locating pins (L) with hair cotter pins.

**NOTE:** PTO shaft from gearbox of mower deck must be over top of the rear stabilizer pan.

5. Remove tractor drawbar and store.
6. Slide rear lift bracket (E) into tractor drawbar mounting hole (D). (See Fig. 13) Raise rear stabilizer pan (C) and insert the two guide rods of rear stabilizer pan (C) into holes at bottom of rear lift bracket (E). Slide rear lift bracket (E) as far forward into tractor drawbar mounting hole (D) as it will go, secure with pin.
7. Connect lift spring assembly (S) to mower deck by sliding lift bracket assembly (G) onto lift bar (U) and securing with locating pin (T) at each side of mower deck. Lift spring assemblies (S) must be below lift bars (U) and locating pins (T) must be through forward holes of lift bars (U). Secure locating pins (T) with hair cotter pins.

8. Remove klik pins (K) from top of three point hitch lift links. (See Fig. 15) Put adjustable rear link (R) of cable onto pin of three point hitch lift link at each side of tractor and re-install klik pins (K).

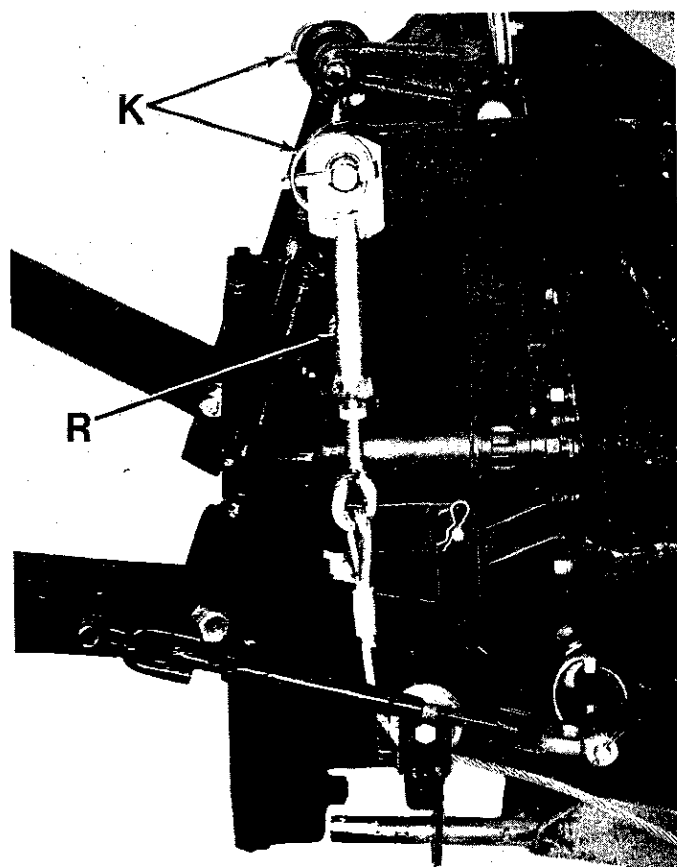


FIG. 15

## INSTALLING CHAIN BOX TO TRACTOR

### CONNECT PTO HALF TO CHAIN BOX

Connect PTO half found in Mounting Kit to lower shaft of chain box. Make sure the lock ring is properly engaged and secure.

### MOUNT CHAIN BOX TO TRACTOR

1. Slide chain box (N) onto end of rear lift bracket (K). (See Fig. 16)
2. Align PTO half of chain box with PTO half of mower gearbox, then slide chain box (N) forward on rear lift bracket (K) until chain box is against rear lift bracket (K).
3. Install chain box anchor (L) on rear lift bracket (K) and secure with locating pin (M).

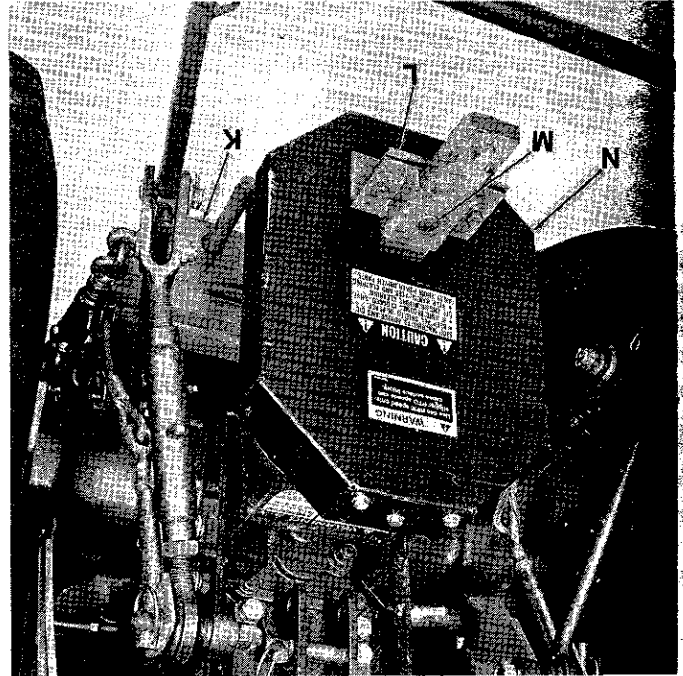


FIG. 16

4. Loosen four bolts (B) on chain box. (See Fig. 17)
5. Slide chain box stabilizers (S) against the drawbar on both sides.
6. Make sure chain box is centered on drawbar an straight. Make sure chain box stabilizers (S) are tight against the drawbar and tighten four bolts (B).

## SET UP

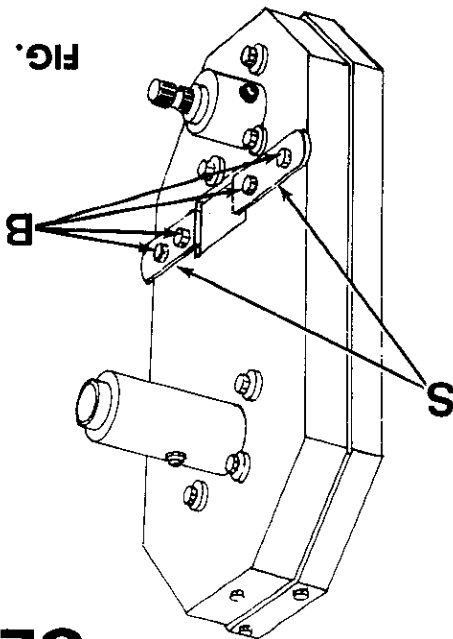


FIG. 17

## INSTALL THREE POINT HITCH STABILIZER TUBE

1. Insert one end of three point hitch stabilizer tube (N) into one three point hitch lower lift arm, then insert opposite end of three point hitch stabilizer tube (N) into other three point hitch lower lift arm. (See Fig. 18)
2. Use tractor hitch klik pins to secure three point hitch lower lift arms to three point hitch stabilizer tube.

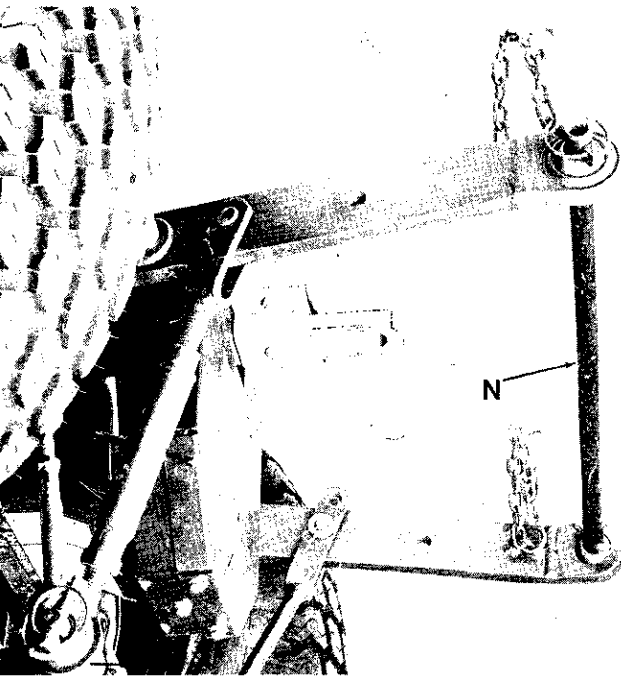


FIG. 18

# SET UP

## PRE-USE ADJUSTMENT

### LIFT CABLE TENSION

When mower is lowered to ground and there is not tension on the lift cable (C) the dimension between the center of clevis bolt (Y) and the face of spring housing (Z) is Approximately 1-1/4". (See Fig. 19) When mower is raised to up stops, tension on the lift cable (C) should increase this 1-1/4" dimension to approximately 1-5/8" but must not exceed 1-3/4". If the dimension exceeds 1-3/4" the tension on lift cable (C) must be decreased.

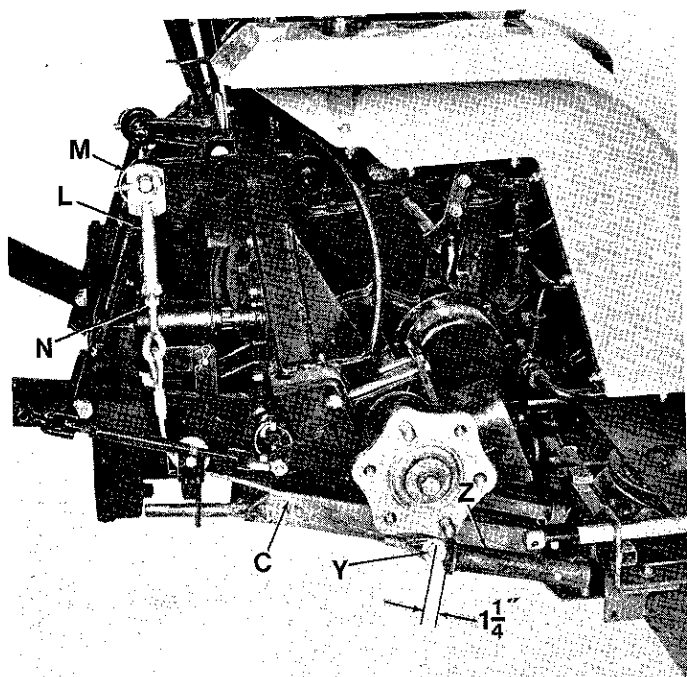


FIG. 19

To adjust cable tension:

1. Lower mower to ground.
2. Remove klik pins (M) from upper lift arms of three point hitch and remove adjustable lift links (L) from both sides of tractor (See Fig. 19)
3. Loosen jam nuts (N) of both adjustable lift links (L).
4. Turn adjustable lift links (L) two to three turns longer to decrease cable tension or shorter to increase cable tension. Both adjustable lift links (L) must be adjusted evenly.

5. Re-install adjustable lift links (L) to lift arms and re-install klik pins (M).
6. Raise mower to up stops and check for 1/2" movement on both sides.
7. If correct movement is not attained lower mower, remove, adjust, and re-install adjustable lift links (L) until correct movement is attained on both sides of the tractor.
8. When adjustment is completed tighten jam nuts (N).

### CHECK HYDRAULIC LIFT PRESSURE

The tractor three point hitch hydraulic power is used to raise the mower to the mower up stops. The pull of the mower against the up stops can in some cases create excessive pressures against the hydraulic system of the tractor. We recommend the hydraulic pressure be checked by temporarily installing a hydraulic pressure gauge in the tractor hydraulic pressure check port located under the tractor seat on right hand side of axle housing. The tractor engine must then be running at approximately 1500 RPM and the mower raised to the up stops. The pressure gauge reading must not exceed 1500 PSI (10342 kP).

If pressure exceeds 1500 PSI (10342 kP) the lift cable tension must be decreased. See LIFT CABLE TENSION. If lift cable tension adjustment does not produce the required pressure reduction then the tractor hydraulic pressure must be adjusted. See Tractor Owner's Manual for tractor hydraulic pressure adjustment.

### DRIVE CHAIN TENSION

Drive chain tension must be checked before operation of mower. See DRIVE CHAIN ADJUSTMENT for checking procedure.