

CENTURY

OPERATOR'S MANUAL INSTALLATION MANUAL PARTS MANUAL

FRONT LOADERS: **C-system 50**
 C-system 50HL

Ordering number of this manual is 948876A.

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American Jawa, 7301 Allentown Blvd., Harrisburg PA 17112

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Introduction

INTRODUCTION

C-system 50 series front loaders are intended for agricultural or similar use. It should not be used to load compressed or frozen soil or other materials, as well as gravel with grad greater than approx. 1".

Applicability on tractors:

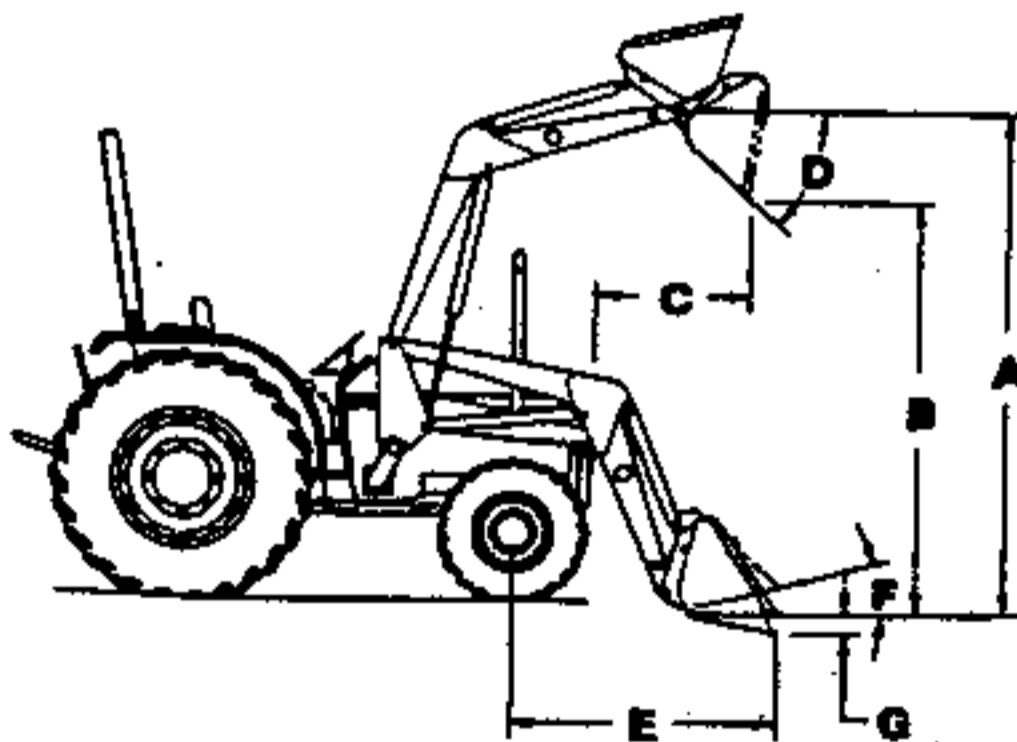
- With mounting kit 900048: Tractor model 2028, 2535
 - With mounting kit 900047: Tractor models 2035, 2045
 - With mounting kit 900063: Tractor models 3035, 3040, 3045
 - With mounting kit 900098: Tractor model C29, C35
 - With mounting kit 900099: Tractor models C38L, C42L, C47L
- See page A-13 for pictures of mounting kits.

Loader hydraulic system is equipped with power-beyond valve and always connected directly to the hydraulic pump pressure line.

Included with the loader are all lines and adapters necessary to connect the loader hydraulics.

Loader will not occupy any of tractor quick couplers (tractor does not have to have remote outlets at all).

SPECIFICATIONS



LOADER MODEL		system 50	system 50HL
A	Maximum Lift Height	100 in.	106 in.
B	Clearance with Bucket Dumped	81.5 in.	87.5 in.
C	Reach at Maximum Height	31.5 in.	25.5 in.
D	Maximum Dump Angle	40 degrees	40 degrees
E	Reach on Ground	59 in.	59 in.
F	Bucket Rollback Angle	20 degrees	20 degrees
G	Digging Depth	6 in.	6 in.
	Lift capacity to full height at pivot point	2,100 lb.	2,540 lb.
	Breakout force at pivot point	2,850 lb.	3,450 lb.
	Loader lifting time	4.3 sec.	5.3 sec.
	Bucket dump time	3.5 sec.	3.5 sec.
	Bucket rollback time	3.5 sec.	3.5 sec.
	Weight with 67 in. bucket	1320 lb.	1320 lb.

Specifications measured on tractor model C38L with agricultural tires.

Safety



THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.



WARNING

Only persons 18 years old or older should operate the loader.

1. Read the Operator's Manual. Learn to operate this loader safely.
2. Do not allow riders on the loader.
3. No one should ever stand under a raised loader.
4. Operate the loader only while in tractor seat.
Always set loader bucket or attachment on the ground before leaving the tractor seat.
5. Add rear weights and/or calcium in rear tires for tractor stability.
6. Move the wheels to the widest settings for better stability.
7. Carry the loader arm at low position during transport.
Move and turn the tractor at low speeds.
8. Avoid overhead electrical lines when raising the loader.
9. Operate carefully to avoid tipping when working on inclines, near loose rocks or holes.
10. Always make sure the attachment is locked on the tool carrier before beginning loader operation. This can be checked by observing the latching lever position.
Failure to properly install attachment can cause the attachment to come off the tool carrier resulting in serious injury to operator or bystanders.
11. Always make sure that latches of both loader release levers are safely engaged .



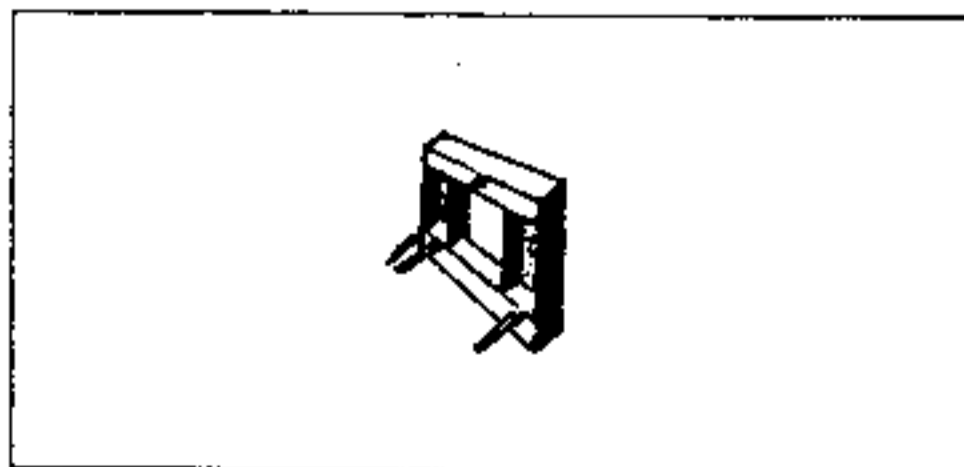
DANGER

Use only original Zetor-system attachments, or attachments with the original Zetor-system mount (blank plates), to avoid accidental release of an attachment.

To prevent rollback onto operator, use only factory approved bale lift for handling objects such as round bales.



Never use 3-prong bale lift if one of the prongs is missing.



NOTE

Maintain safety decals attached to loader in good condition. Replacement safety decals are available from any Zetor dealer under part number 945355.

ATTACHING LOADER

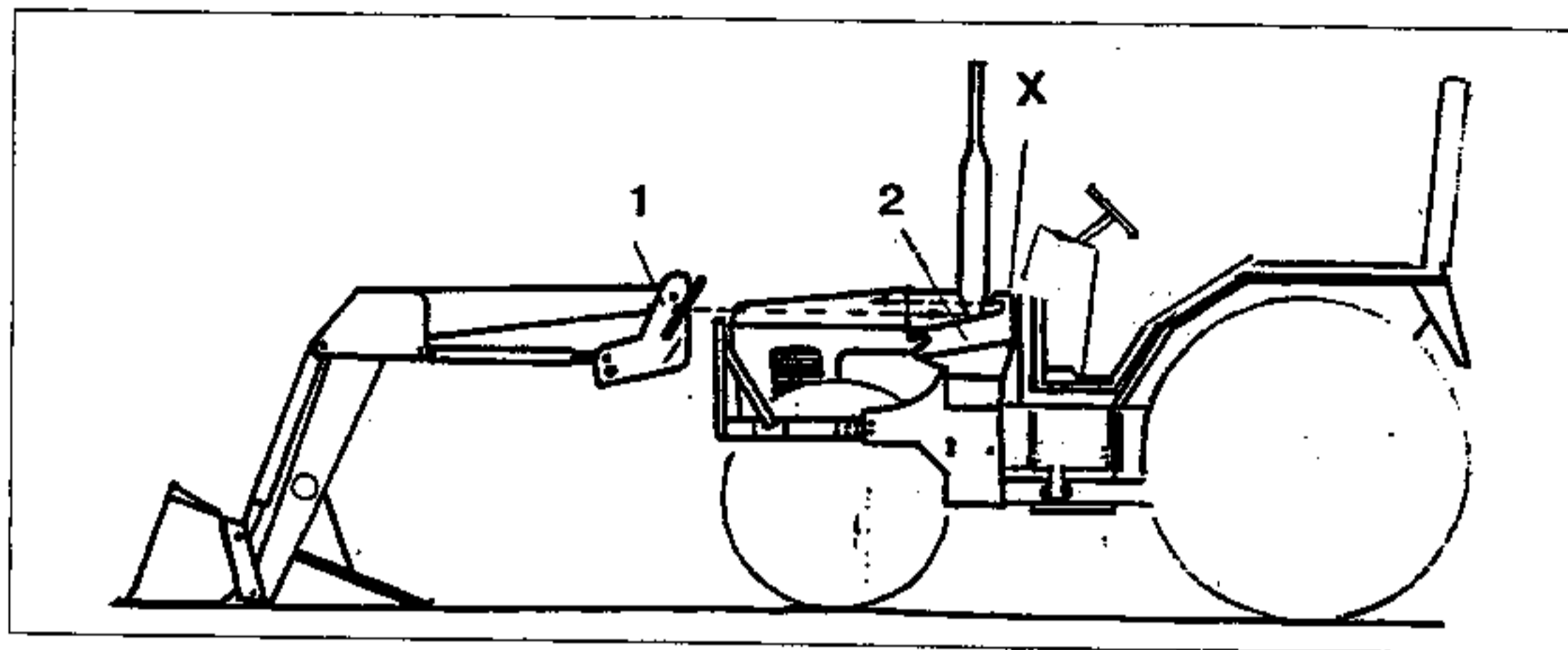
Attaching and detaching of the loader should be performed on even and solid ground.

1. Drive tractor as centrally as possible into loader. Pins (1) will slide onto brackets (2) on tractor, all the way into their final location "X". Stop engine and engage hand brake.

If loader height does not match the height of the brackets on tractor, proceed as follows:

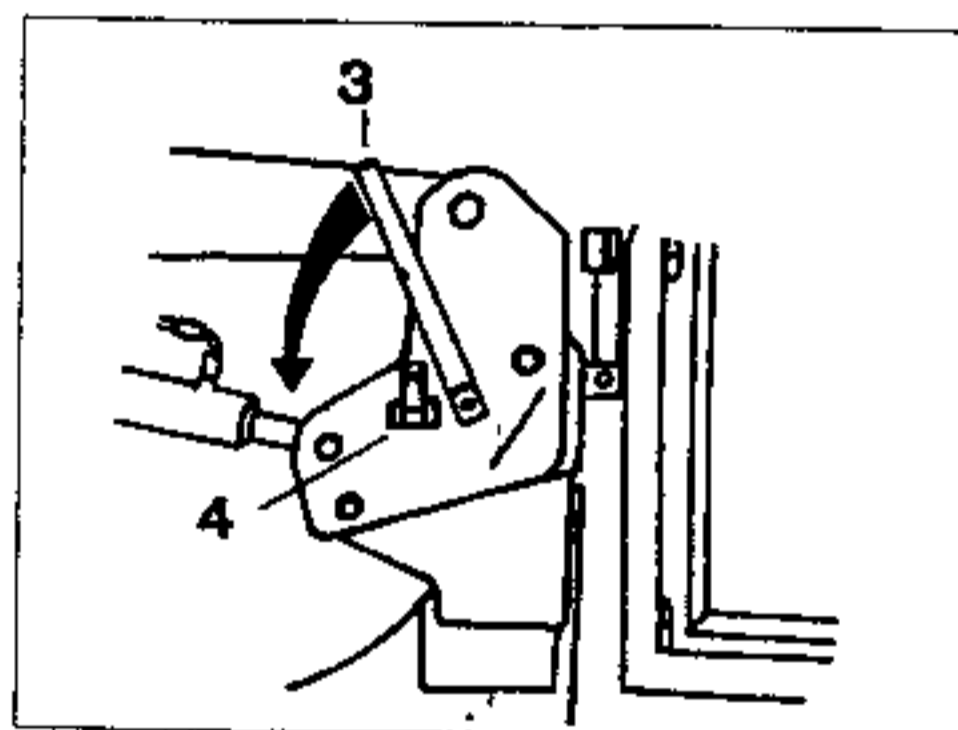
(A) Drive tractor as close to the loader as possible. Stop engine and connect four loader hoses to hydraulic couplers (follow color coding on couplers).

(B) Start engine and tilt slowly the bucket as needed to adjust the height of the loader to match the height of loader brackets on tractor.



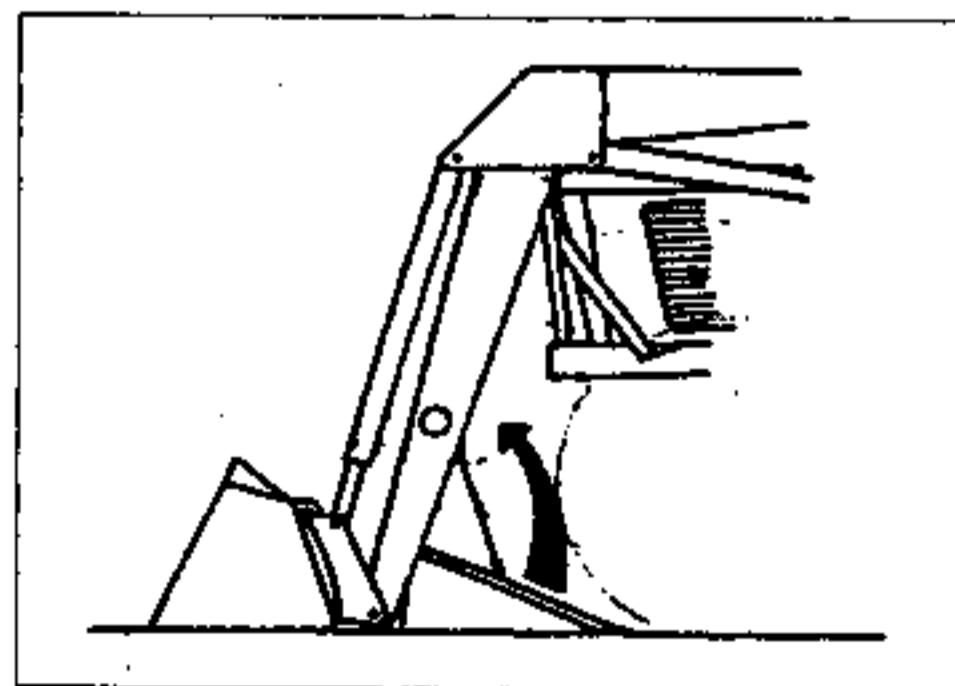
2. Move levers (3) (one on each side of the loader) all the way down until latch (4) engages.

Note: Do not force levers (3) down. If levers cannot be pushed down by hand, tractor needs to be moved closer to the loader.



3. Connect four loader quick couplers if you have not done so earlier (follow color coding on the couplers).

4. Start engine and lift loader a few inches from ground using joystick control.
Stop engine.
Fold loader stands up.

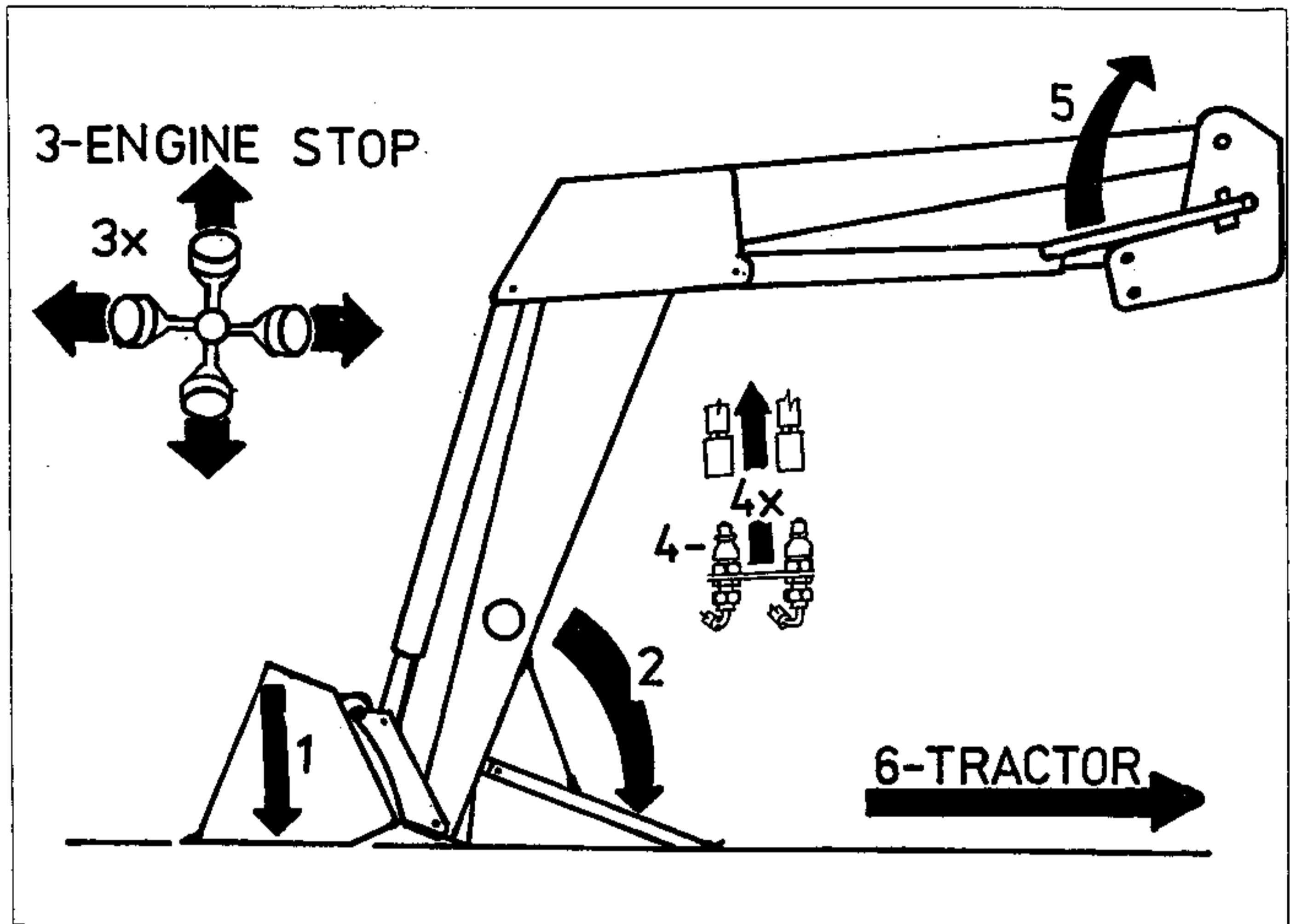


5. Start engine and continue lifting the loader slowly all the way up. During lift, make sure the four hoses connecting loader with the loader valve are shaped appropriately and will not be stretched or damaged by some loader part.

*Note: Gearbox oil level in tractor should be at the top mark.
Check oil level with engine stopped.*

DETACHING LOADER

Attaching and detaching of the loader should be performed on even and solid ground. Bucket does not have to be on the loader - loader is stable even without the bucket. If a bucket is attached, it must be level - in horizontal position (see picture).



1. Stop engine and lower loader to ground (move joystick forward). To detach the loader easily, the bucket must be seated flat on ground with its bottom side.
2. Engage hand brake. Release and fold down stands (1).
Note: Adjust the height of the stands so they will be just touching ground.
3. Move joystick control at least three times in all directions, to remove any pressure from system.
4. Disconnect four hoses with quick couplers from the loader valve. Plug disconnected couplers and hoses with rubber plugs, prevent hydraulic system contamination.
5. Move levers up after releasing latch on each lever. Push each lever all the way back to the stop. This will release the loader from its brackets.
6. Drive tractor slowly away from loader.

ATTACHING BUCKET OR OTHER ATTACHMENT LOADERS WITH C-SYSTEM 50 BUCKET CARRIER



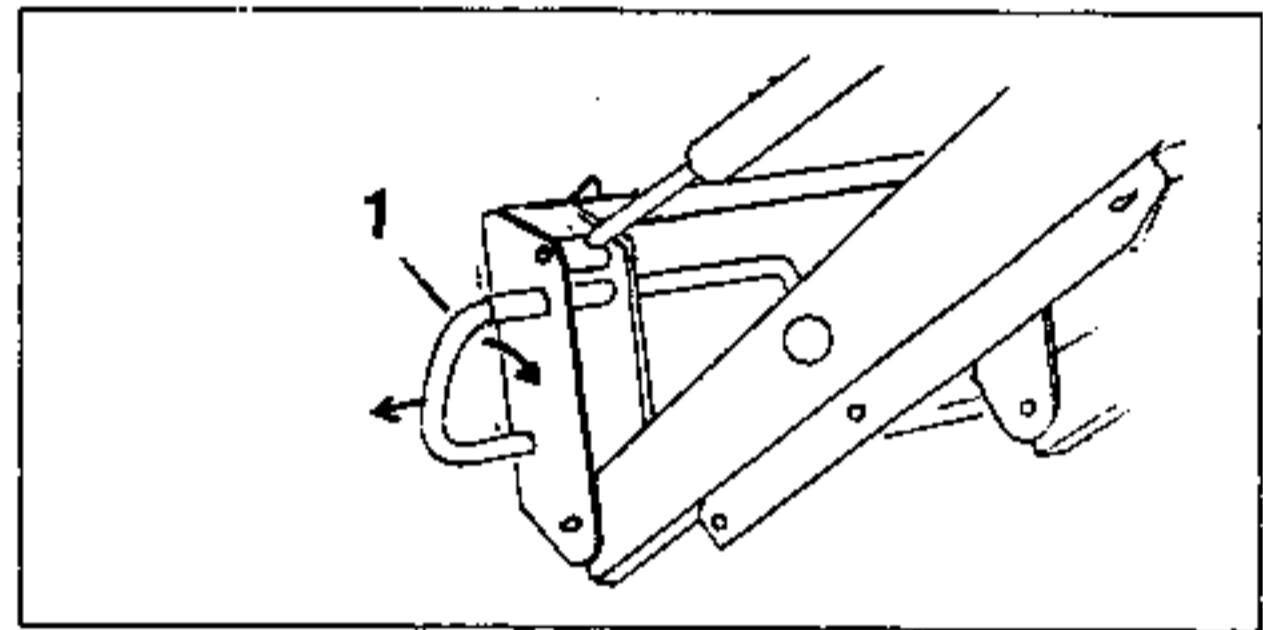
WARNING: Use only original C-system buckets and attachments. Use of other attachments, even those using the same latching system, does not guarantee safe connection of the bucket with the loader. Serious injury or death may result. If unsure about the attachment origin, contact the dealer and ask for assistance.

CAUTION: Except when detaching or attaching bucket or another attachment, keep the bucket latching lever (1) in the ENGAGED position.

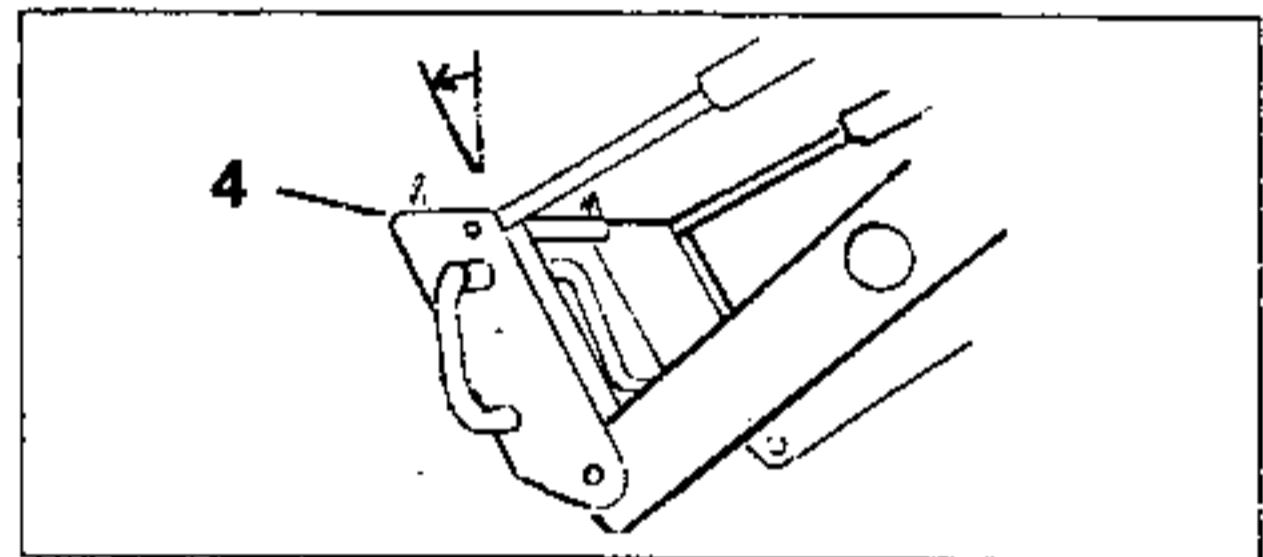
CAUTION: To maintain proper function of the quick attach system, inspect the latching lever (1), pins (2) and bucket hooks (3) for damage before attaching the bucket. If damage exists, replace component immediately.

CAUTION: Make sure all parts of the quick attach system are clean before attaching the bucket. Only clean components will function safely.

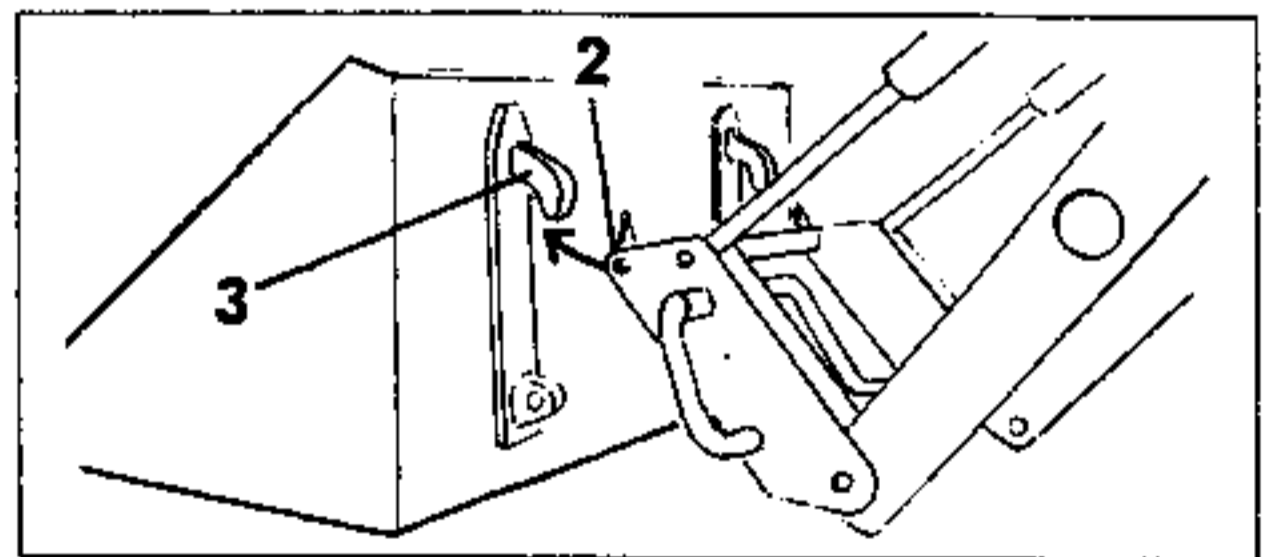
1. Move lever (1) to the DISENGAGED position (pull outwards and turn clockwise).



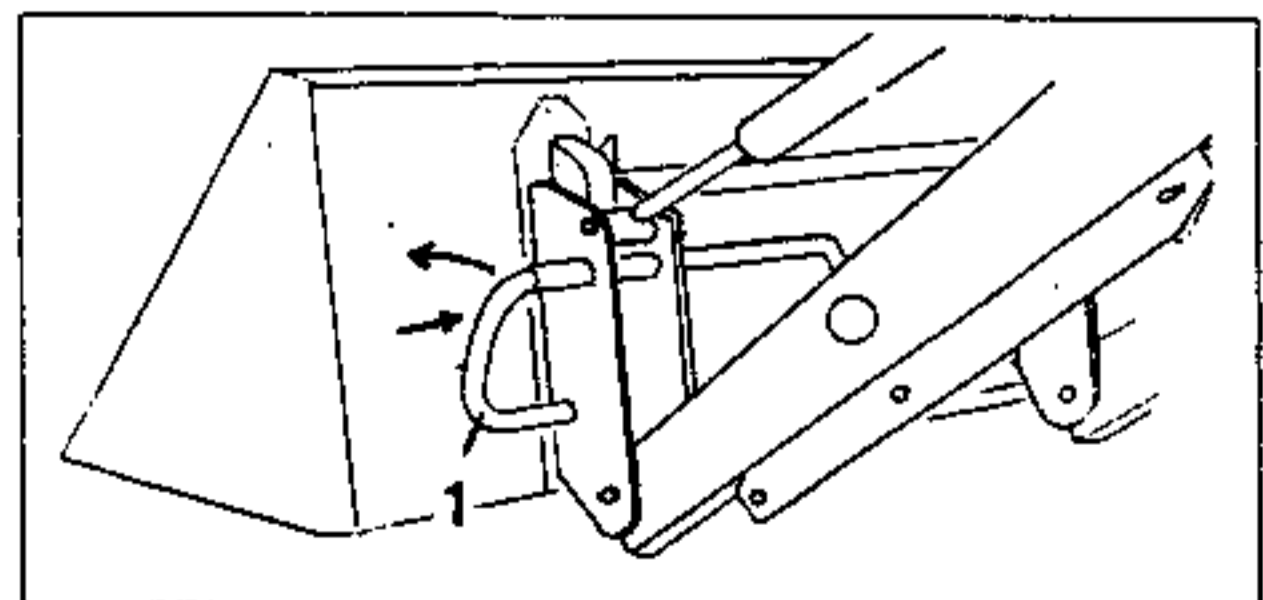
2. Have the bucket carrier (4) slightly tilted forward.



3. Drive tractor to the bucket so pins on the bucket carrier (2) engage with hooks (3) on the bucket.



4. Move lever (1) into the engaged position (turn counter-clockwise and push in).
CAUTION: Before leaving the seat, stop engine and engage parking brake.



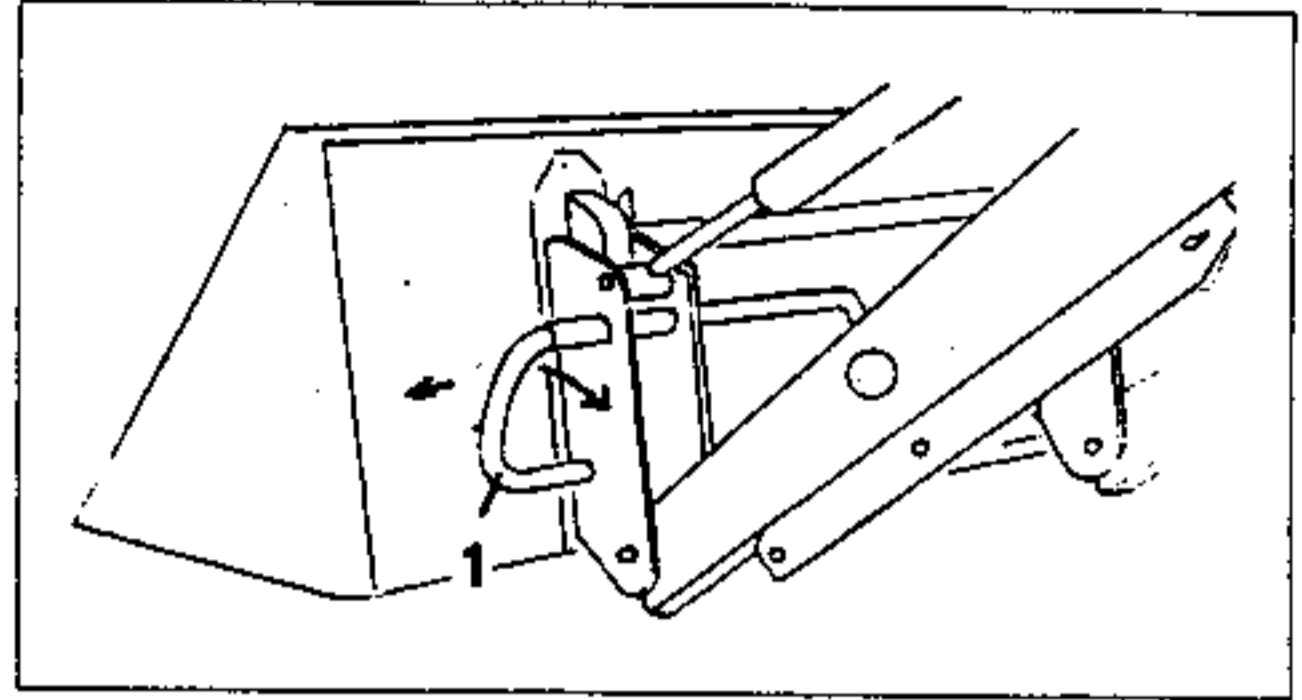
5. Start engine and check proper latching by lowering loader and pushing loader bucket against ground by moving joystick forward. (Improperly attached bucket would get loose while pushed against ground). Bucket must be level (in horizontal position) during this check.

DETACHING BUCKET OR OTHER ATTACHMENT LOADERS WITH C-SYSTEM 50 BUCKET CARRIER

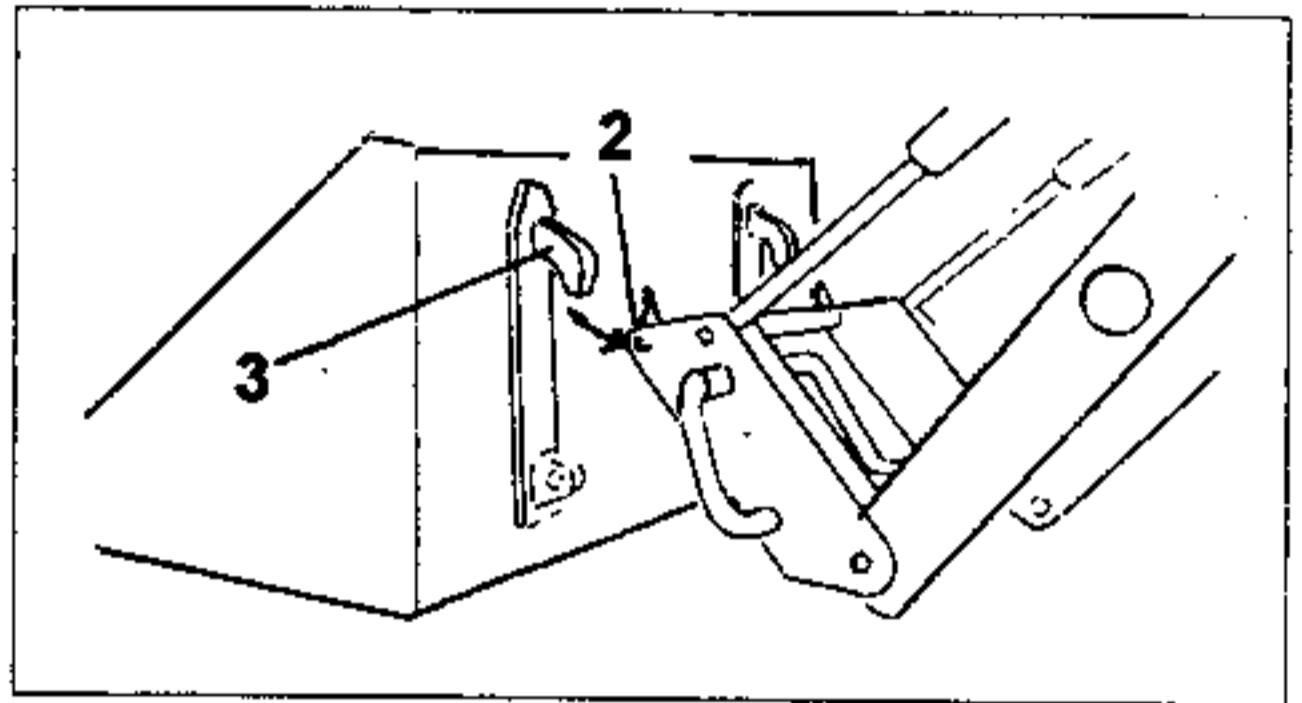
1. Lower loader so bucket is just a few inches above ground.
Tilt bucket slightly forward.

2. Move lever (1) into disengaged position (pull out and turn clockwise).

CAUTION: Before leaving the seat, stop engine and engage parking brake.



3. Start engine and lower the loader until bucket carrier pins (2) unhook from hooks (3) on the bucket.



4. Drive away.

ATTACHING BUCKET OR OTHER ATTACHMENT LOADERS WITH SKID-STEER TOOL CARRIER



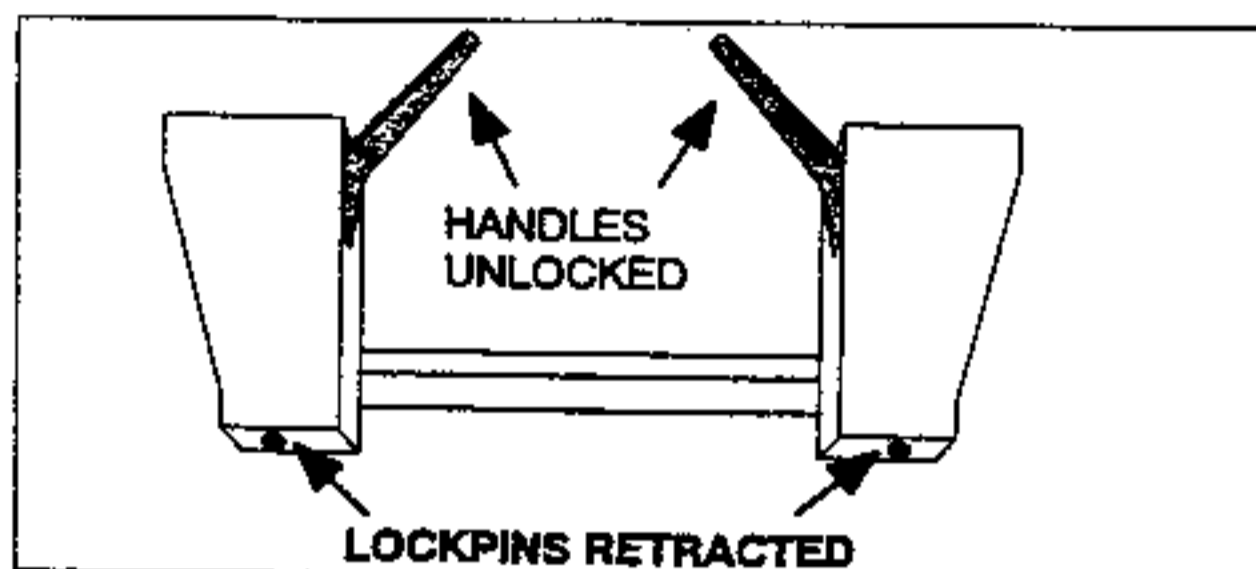
WARNING: Use only buckets and attachments compatible with SAE J2513 standard. Use of other attachments does not guarantee safe connection of the bucket with the loader. Serious injury or death may result. If unsure about the attachment origin, contact the dealer and ask for assistance.

CAUTION: Except when detaching or attaching bucket or another attachment, keep the latching handles in the LOCKED POSITION (handles in horizontal position).

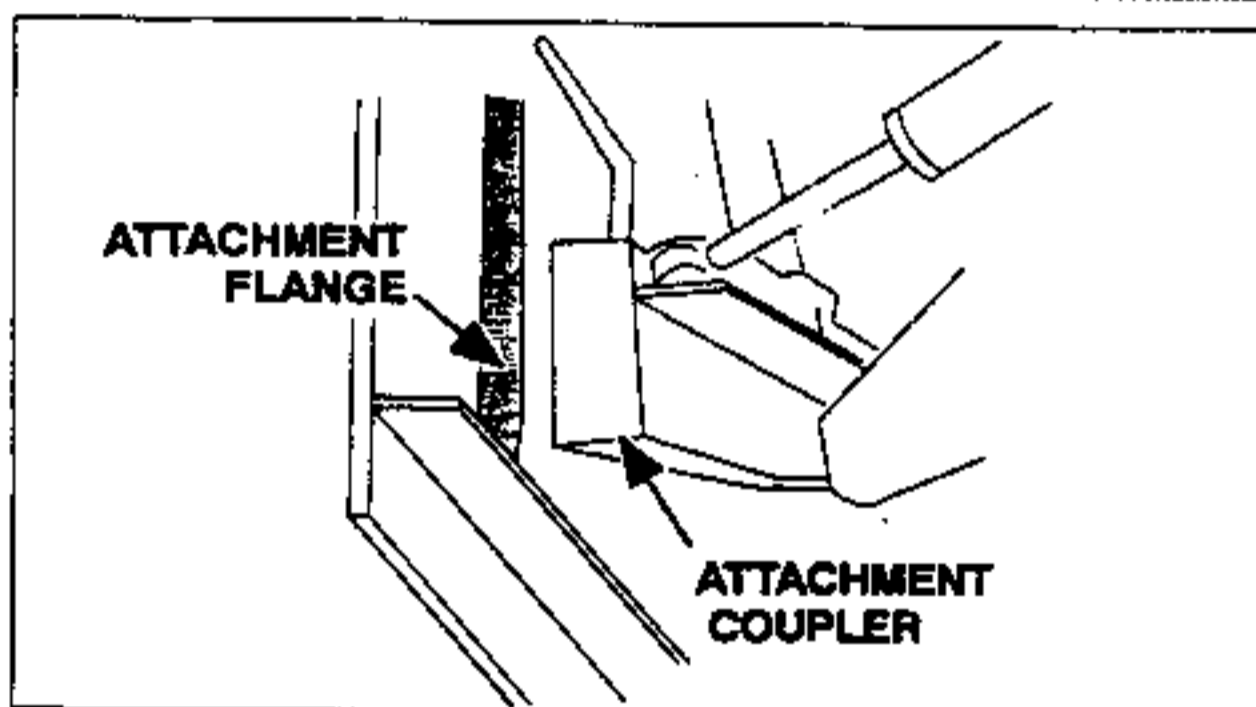
CAUTION: To maintain proper function of the quick attach system, inspect the latching handles, lockpins, attachment coupler and attachment flange for damage before attaching the bucket. If damage exists, replace component immediately.

CAUTION: Make sure all parts of the quick attach system are clean before attaching the bucket. Only clean components will function safely.

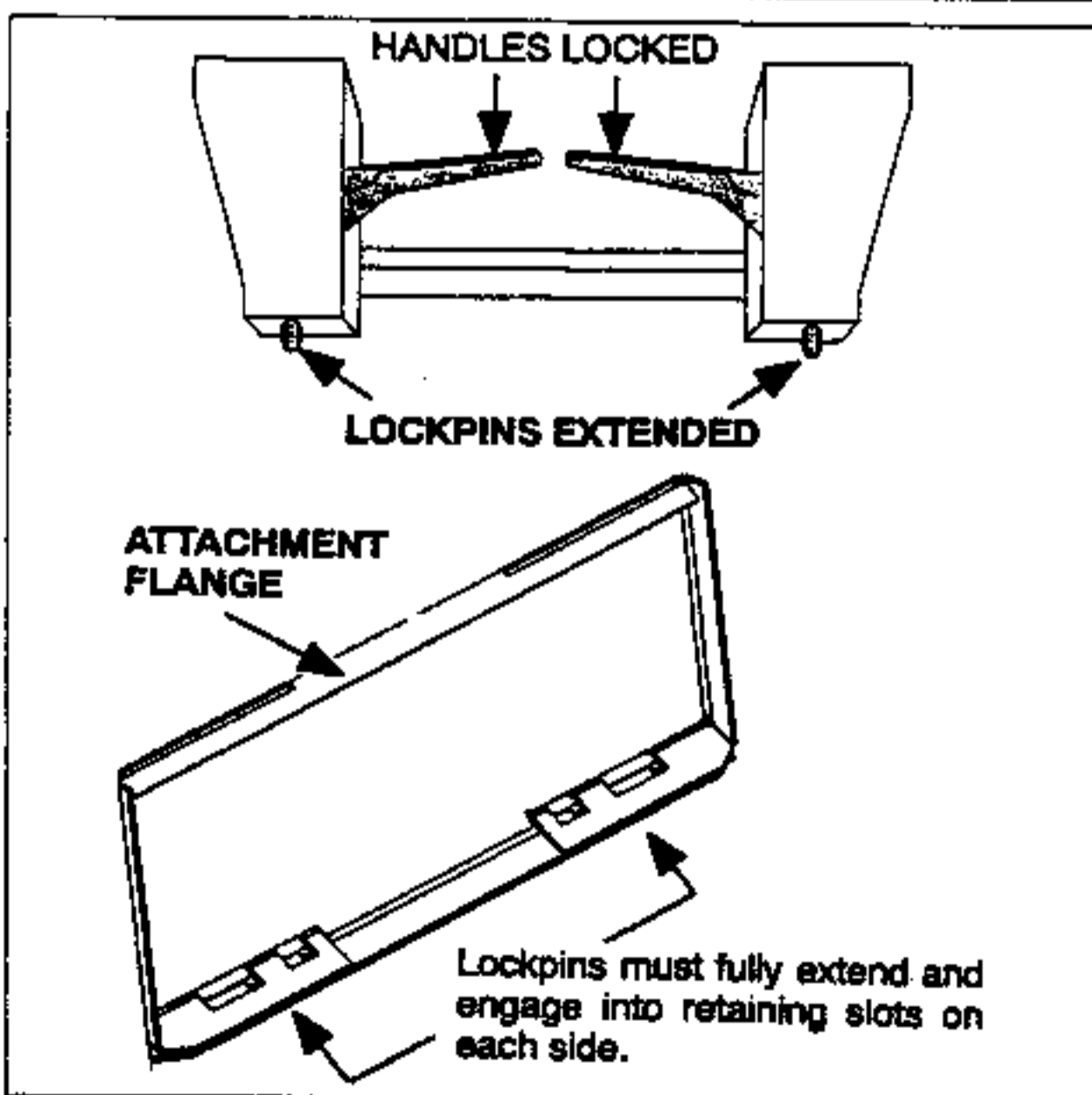
1. Move latching handles to the UNLOCKED position (UP).



2. Have the attachment coupler slightly tilted forward. Drive tractor centrally to the bucket. The top of the attachment coupler must be aligned with the attachment flange on the bucket. Lift loader a few inches and roll the bucket back.



3. Move latching handles into LOCKED position (DOWN - handles must be horizontal). The lockpins must be extended and secured into the retaining slots on the bucket.
CAUTION: Before leaving the seat, stop engine and engage hand brake.

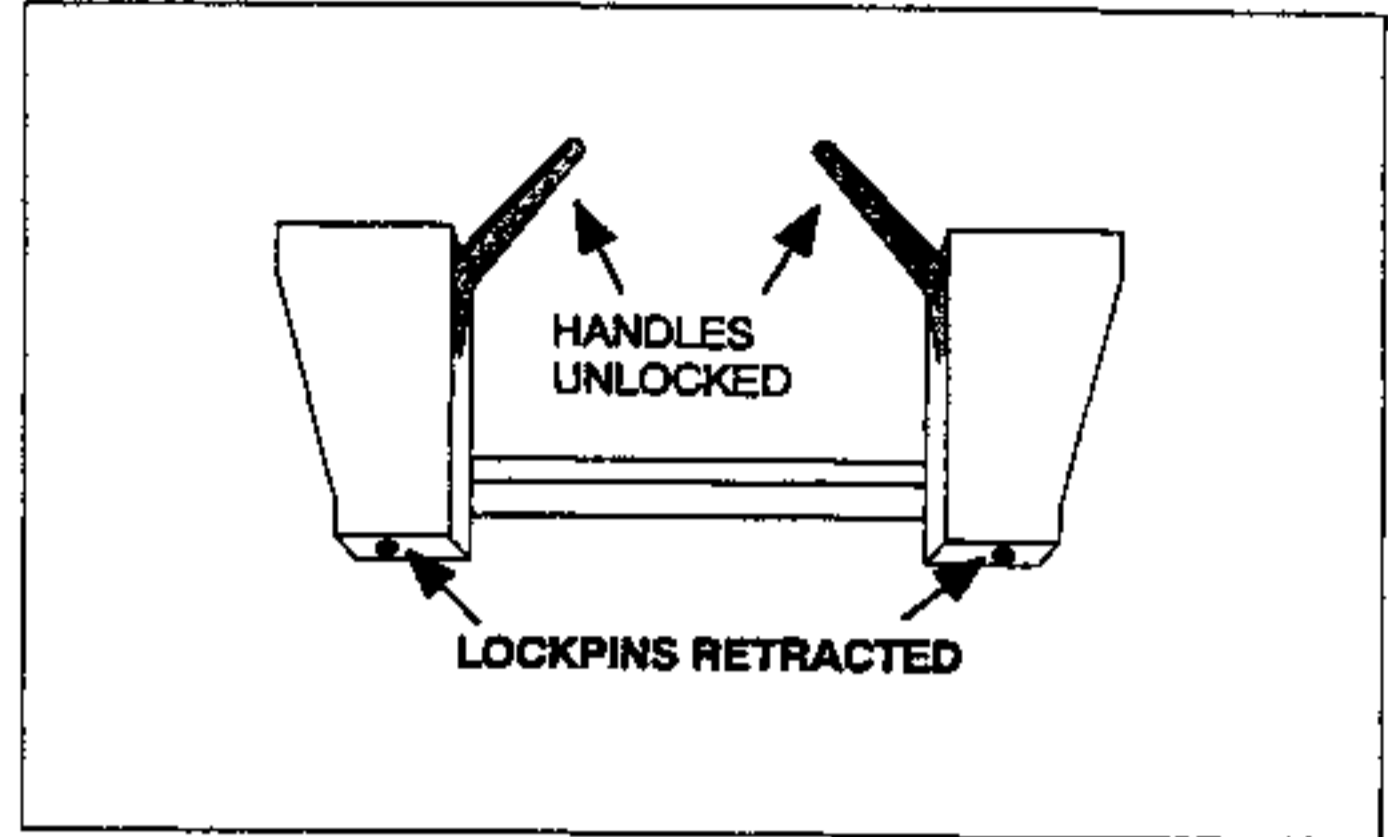


4. Check proper latching by lowering loader and pushing loader bucket against ground by moving joystick forward. (Improperly attached bucket would get loose while pushed against ground). Bucket must be level (in horizontal position) during this check.

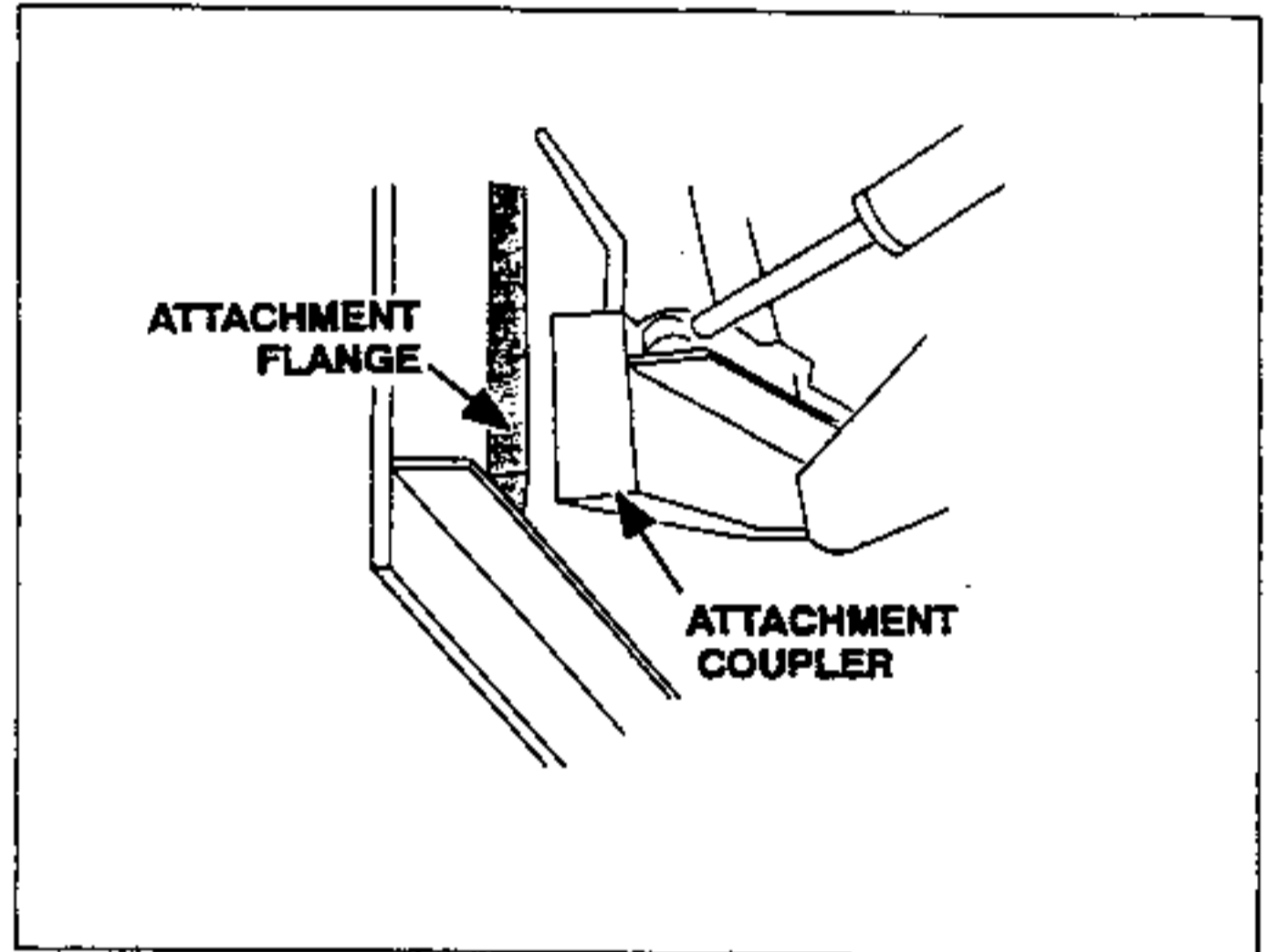
DETACHING BUCKET OR OTHER ATTACHMENT LOADERS WITH SKID-STEER TOOL CARRIER

1. Lower loader so bucket is just a few inches above ground.
Tilt bucket slightly forward.

2. Move latching handles into UNLOCKED POSITION (UP).
CAUTION: Before leaving the seat, stop engine and engage hand brake.



3. Start engine and lower the loader until the attachment coupler unhooks from the attachment flange on the bucket.



4. Drive away.

OPERATING THE LOADER



CAUTION: Operate loader controls only when seated in operator's seat. Before leaving the seat, set the bucket on the ground, stop engine and engage hand brake.

WARNING: When using loader, be alert of bucket position at all times. Loader in raised position with bucket rolled back can dump material onto tractor causing injury.

WARNING: Contact with overhead power lines can cause serious injury or death. Make sure there is enough clearance between raised equipment and overhead power lines.

CAUTION: Stop loader arms gradually when lowering or lifting, to reduce stress on the machine and to improve tractor stability.

CAUTION: A loaded bucket should be transported in a low position at slow ground speeds. Make turns slowly and use tractor brakes cautiously. A full bucket in the raised position alters the center of gravity location of the machine and makes tractor less stable. **DO NOT** use loader on slopes with more than 5 degrees incline. Spread rear wheels to the widest setting to improve tractor stability.

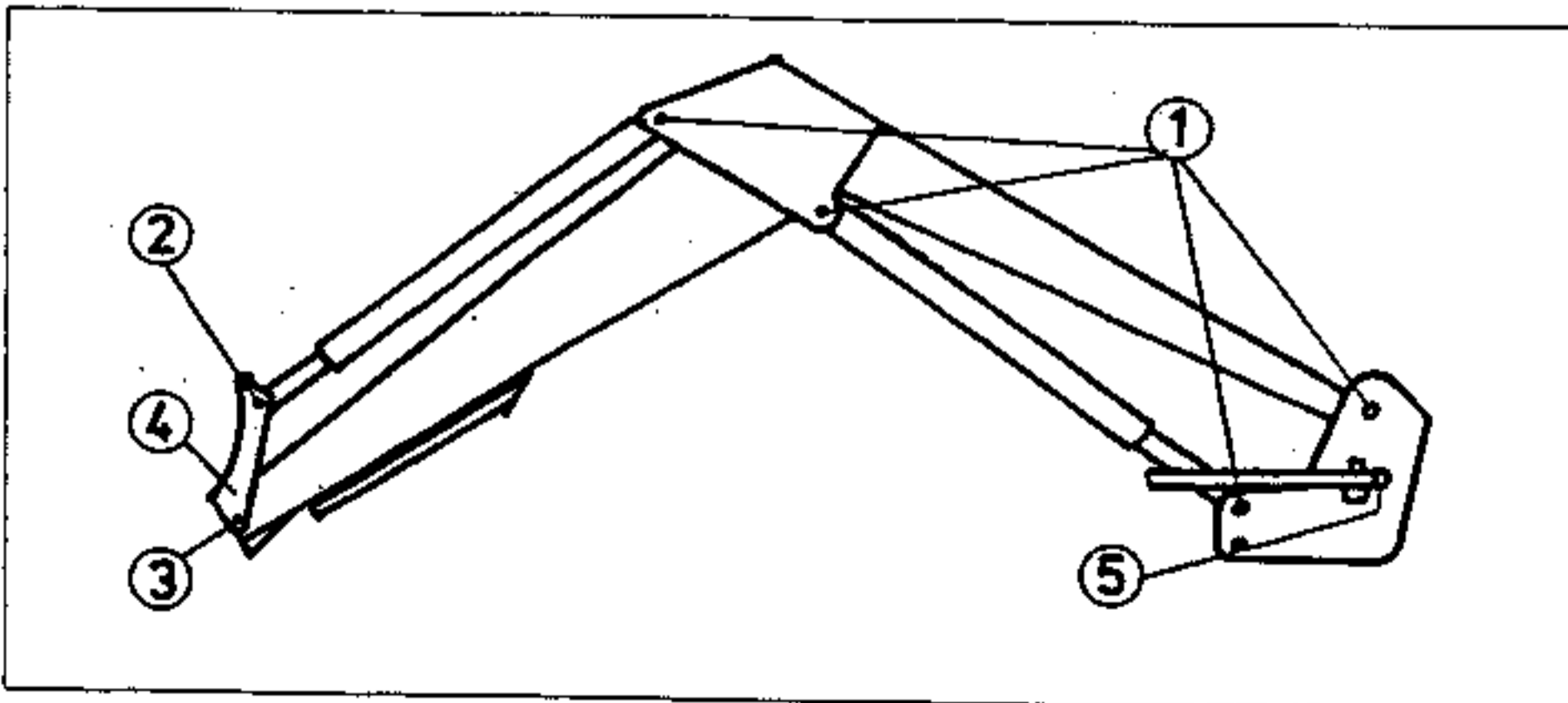
CAUTION: When handling heavy loads, use liquid in rear tires. Preferably, have rear tires loaded all the time. Cast iron weights are also available from your dealer and may be combined with liquid. Adequate weight on rear axle is required for safe loader operation. **Do NOT** use front weights while operating loader.

WARNING: When using bale lift: Never raise round bale to full height with bale lift rolled back, as serious injury or death can occur.

WARNING: When using pallet forks: Do not use pallet forks to handle round bales. Such load can roll back onto operator causing serious injury. Pallet forks were specifically designed to load palletized materials only. Use only factory approved attachments to handle round bales.

Before work:

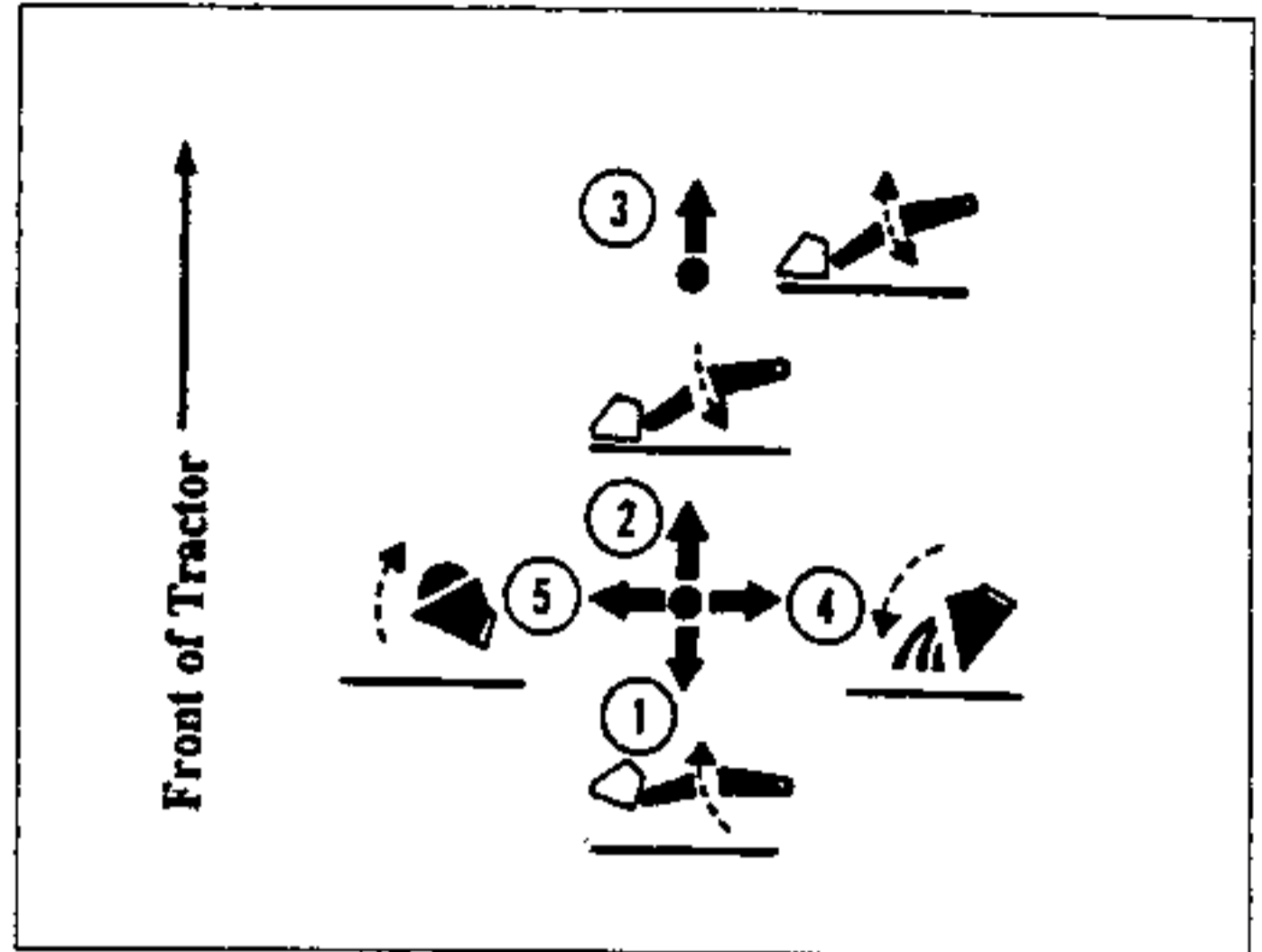
- Inspect loader hoses for damages or leaks
- If loader was not used for longer time (three months or so) , lubricate grease fittings (see picture).
- Check bucket latch for proper engagement:
 1. Check visually whether the bucket latch is properly engaged.
 2. Start engine and check proper latching by lowering loader and pushing loader bucket against ground by moving the joystick forward. (Improperly attached bucket would get loose while pushed against ground). Bucket must be level (in horizontal position) during this test.



OPERATING THE LOADER (continued)

Operate loader with joystick:

1. Pull joystick back to raise the loader.
2. Push joystick forward to lower the loader.
3. Push joystick all the way forward to set loader in floating position (loader is free to move up and down to follow the terrain); joystick is detented in this position.
4. Push joystick to the right to dump the bucket.
Note: Most 50-series loaders are equipped with quick dump feature. Moving joystick to the right against light spring produces dump at regular speed. Moving joystick further to the right against a heavier spring will produce fast dumping of the bucket. During fast dump, oil from the rod side of the cylinder recirculates into the barrel side of the cylinder. Fast dump is not a floating position - the speed of dump is still controlled by the joystick.
5. Pull joystick to the left to roll the bucket back.

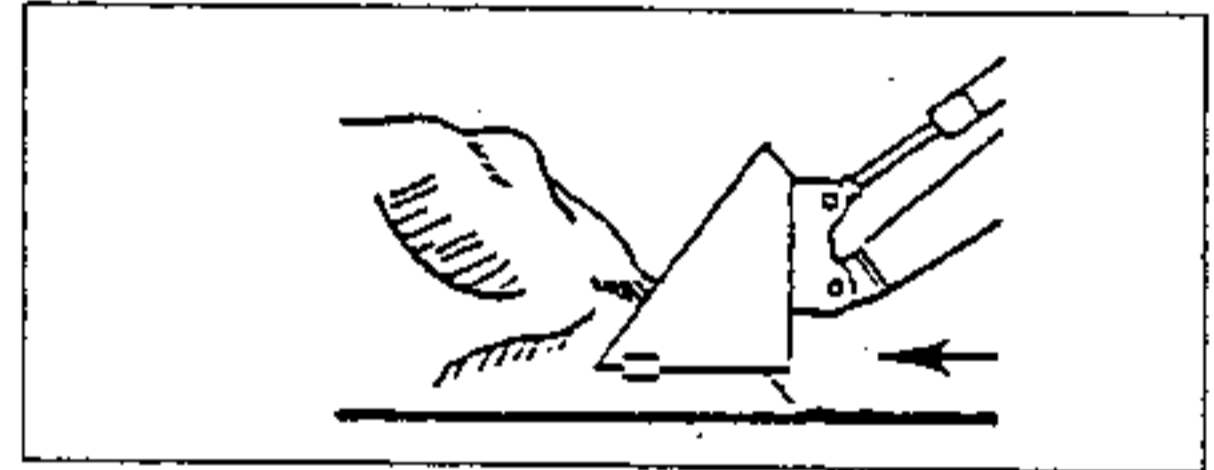


Operating hints:

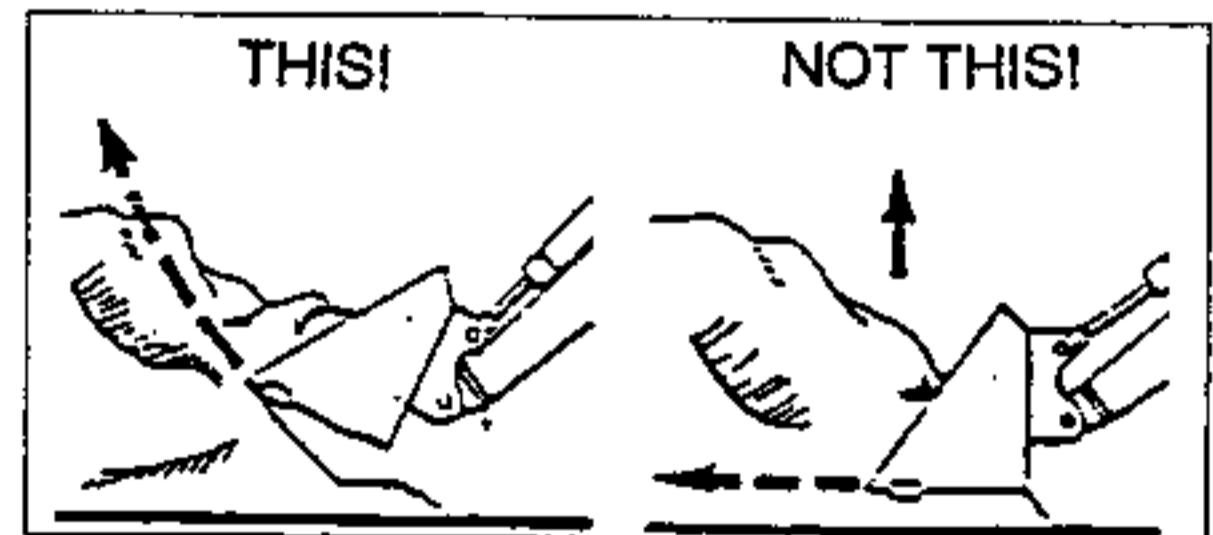
Dump the bucket at high engine speeds. If bucket with load is dumped at low engine speed, bucket cylinders will partially fill with air. Until the bucket is rolled back again, it will be "spongy" - for example, it will not be possible to backgrade with it.

Place material in the center of the bucket. This reduces stress on the loader frame and improves tractor stability.

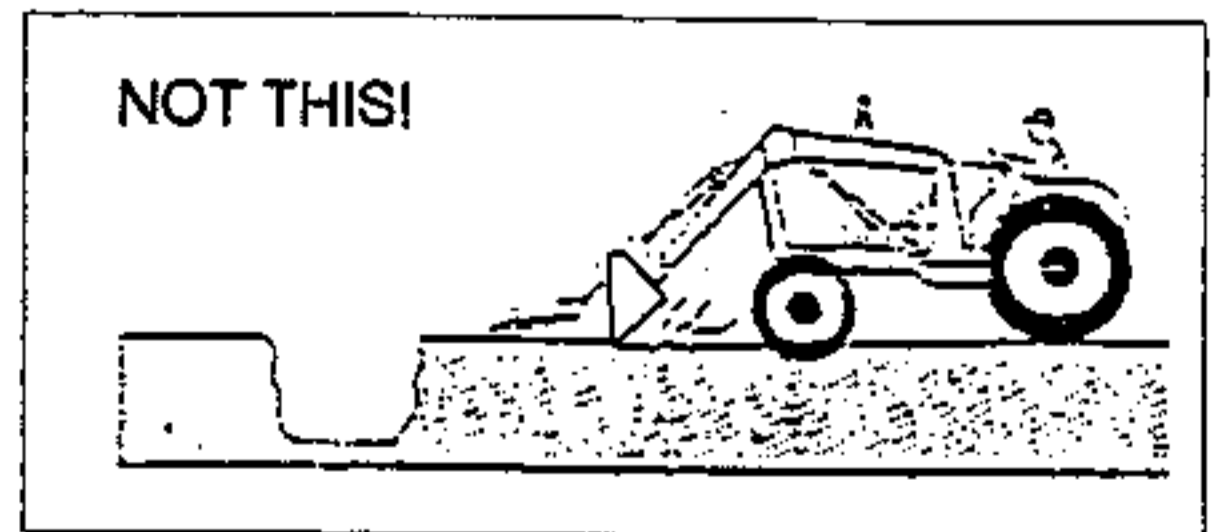
When loading bucket, drive straight into material, with bucket in level. Attempting to turn tractor while loading bucket can cause damage to both the loader and tractor.



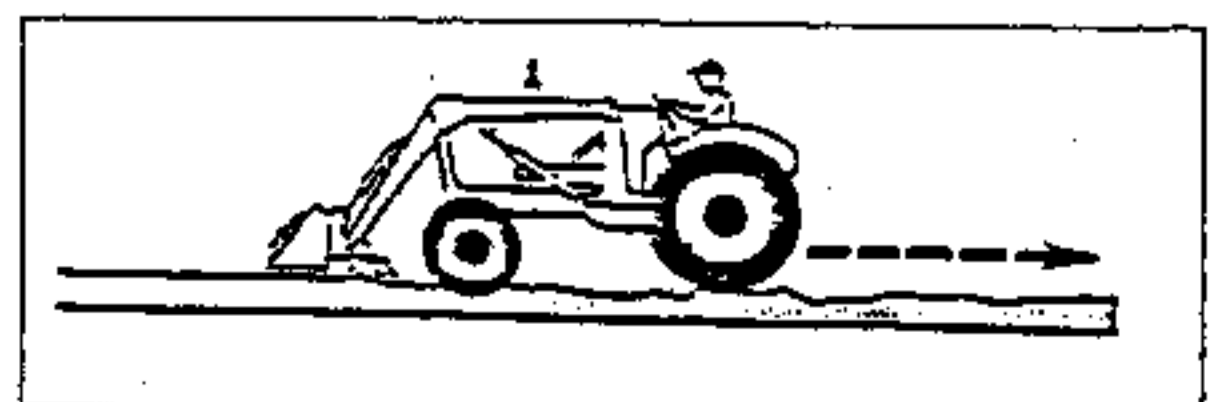
When loading bucket, to utilize its capacity best, roll bucket back and at the same time lift loader.



Do not use bucket in dumped position for bull-dozing. This will cause severe shock loading on bucket cylinders and make it more difficult to maintain a level grade.



Backgrade work surface with a loaded bucket. Have joystick in floating position (all the way forward) so full weight of the bucket is scraping ground. Have the bucket in level (use heel of bucket for backgrading).



Periodic Maintenance

PERIODIC MAINTENANCE



WARNING: Do not perform maintenance of the loader or of the tractor while loader is raised. Do not use any kind of safety bar to support raised loader. If loader interferes with tractor maintenance, remove loader from tractor.

CAUTION: During any loader maintenance, stop engine, lower loader to ground and release hydraulic pressure by moving joystick repeatedly in all directions.

NOTICE: Maintain safety decals in good condition. Replacement decals are available from Century dealers under part number 945355.

Daily:

1. Make sure all parts of bucket quick attach system are clean. Only clean components will function safely.
2. Check tire inflation pressure. Refer to tractor Operator's Manual for recommended tire pressures.
3. Inspect loader hoses for damage. Replace any hose with even slightest damage.

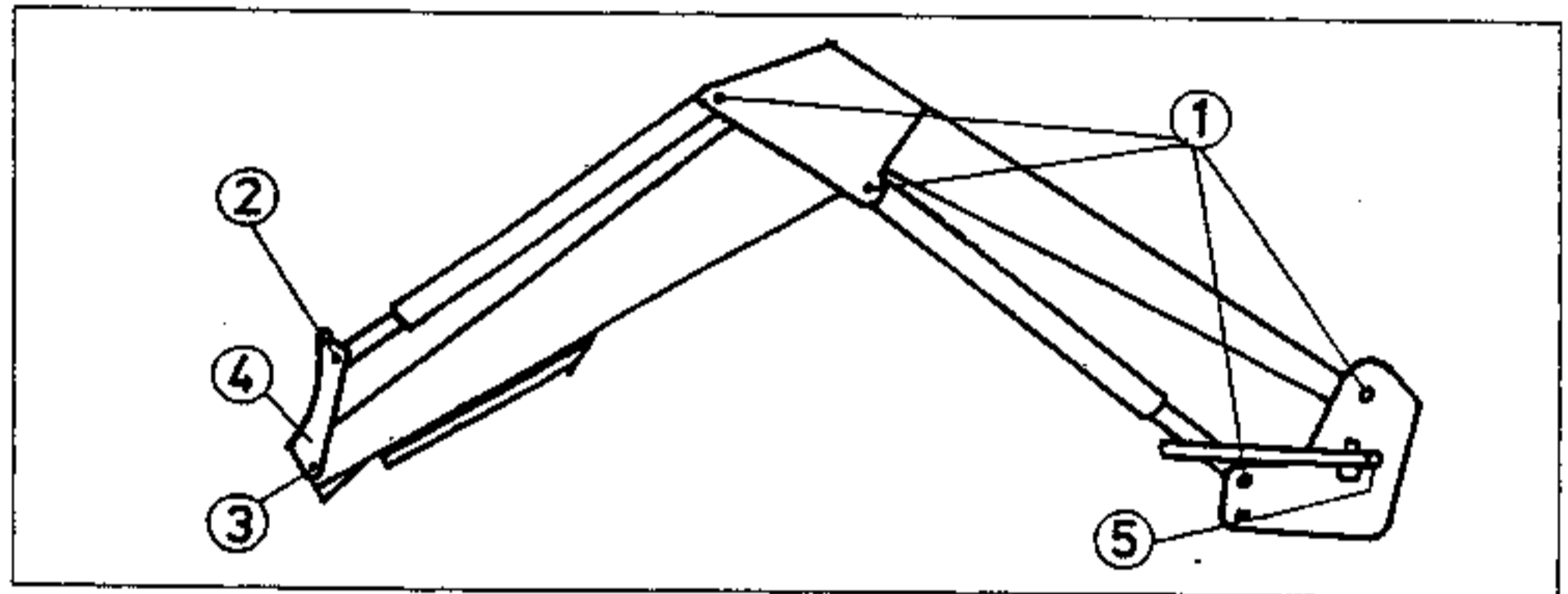
Every 10 Hours of Operation:

A: Lubricate:

1. Bushings
2. Bushings
3. Bushings
4. Bucket latching mechanism
5. Loader latching mechanism

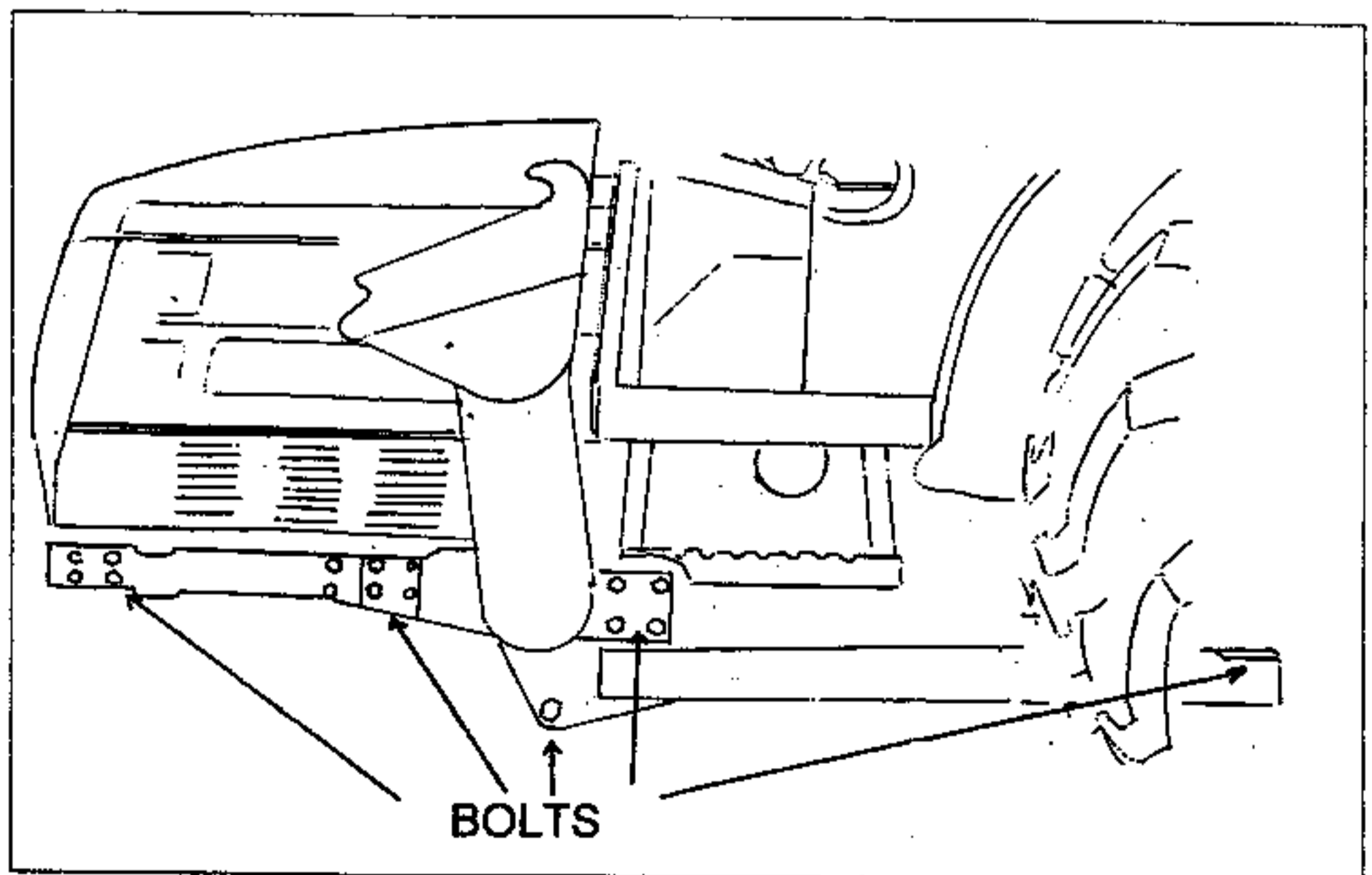
Use multi-purpose grease.

B: If using the bale lift, check tightness of all three spear nuts.








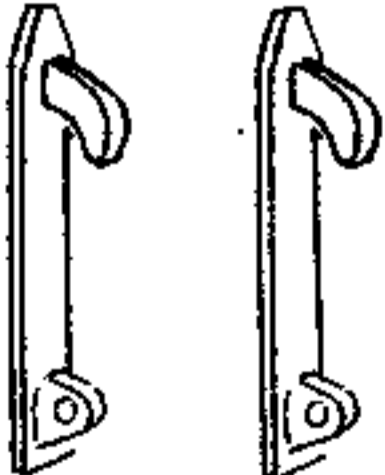

Every 50 Hours of Operation:

Check tightness of bolts attaching loader frame to tractor.



Note: If loader is not used for longer periods of time (a few days), lower the loader all the way down and roll the bucket back, so cylinder piston rods are protected from damage.

Attachments

	Description	Part Number for C-system 50 Tool Carrier	Part Number for Skid-Steer Tool Carrier
1. 	Bucket 64 in, 8.2 cu.ft struck level	Discontinued	n/a
2. 	Bucket 67 in, 8.6 cu.ft struck level	532974920755	532974921005
3. 	Large capacity bucket 72 in, 12.5 cu.ft struck level	532974920735	532974921010
4. 	Pallet fork, 43.5" long, forged	532974920745	532974921020
5. 	Bale Lift (3 Spear); uses high strength, easy penetrating forged spear, 44 in. long	532974920725	532974921030
6. 	Set of blank plates (2 pieces) One set, when welded on third-party attachment, will make the attachment compatible with the Zetor system 50 quick attach system.	532974361695	n/a
7. 	Third hydraulic function kit for attachments like grapple fork or similar with their own cylinder (kit includes distributor valve and joystick with electric switch)	532982980695	532982980695

Installation: Preparation of Tractor (Models C29, C35, C38L, C42L, C47L)

Before installing loader on tractor, check the suitability of the loader and the mounting kit for particular tractor models. See page A-13 of this manual.

This manual describes installation on tractor models C29, C35, C38L, C42L and C47L. Request manual no. 948876 for installation instructions on other tractor models.

INSTALLATION

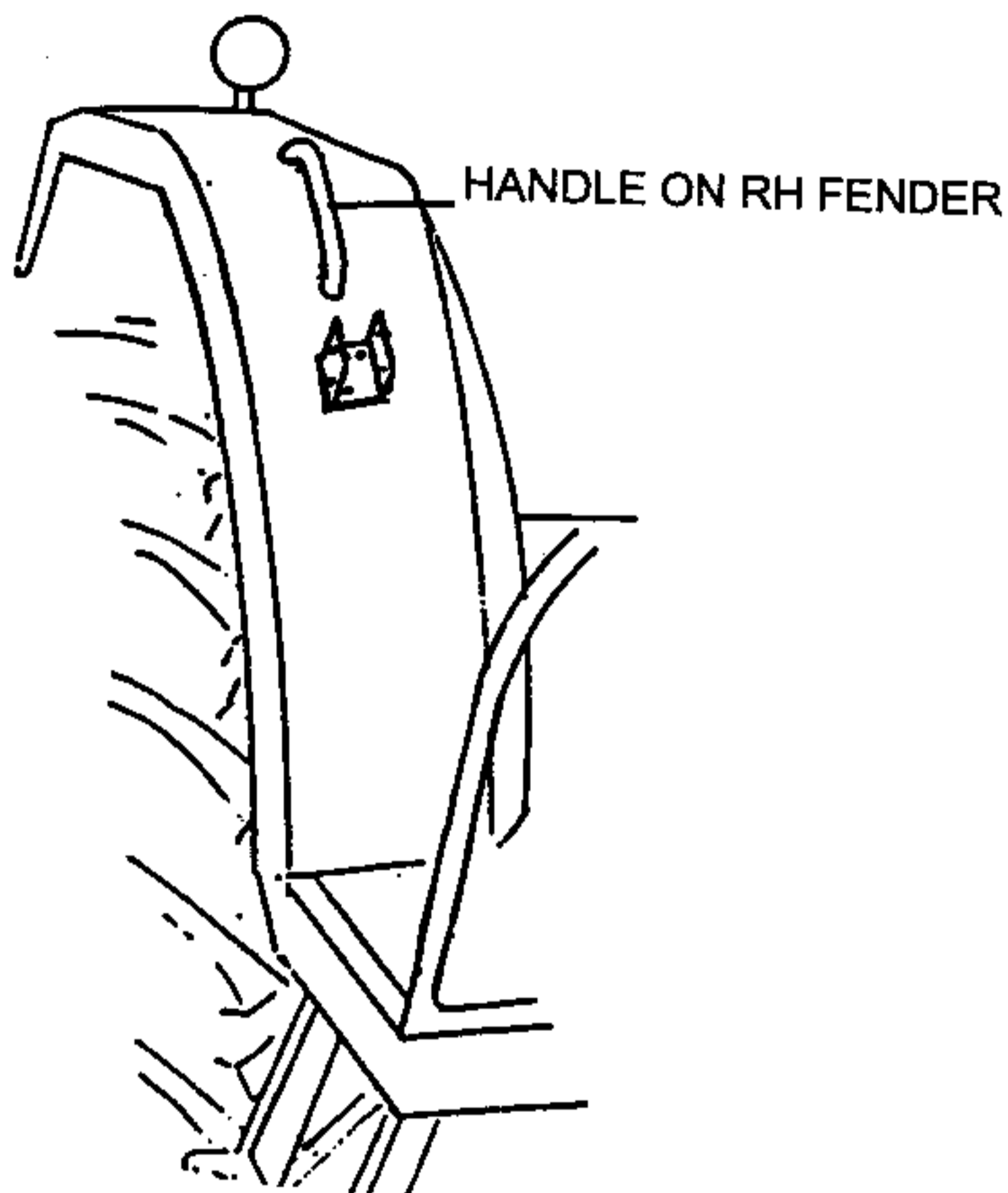
Separate individual loader components from the shipping pallet (boom, frames, hydraulic parts, hardware).

1. Remove joystick from its bracket (remove two bolts).

Place the joystick bracket on the RH fender. Top of the bracket should be 2" below the handle and the bracket should be centrally located.

Drill two holes (3/8" size) into the RH fender. Attach the joystick bracket to the fender with two bolts. Use supplied back plate from the bottom of the fender. Trim the back plate if necessary to fit the fender bottom side.

Do not mount the joystick at this time on the bracket.



Installation: Preparation of Tractor (Models C29, C35, C38L, C42L, C47L)

2. Open the hood. Remove engine side panels. Remove the front grill (attached with two quick locks).

3. Remove the glass from the splash shields at the front of the platform (to protect it from breakage during subframe installation).

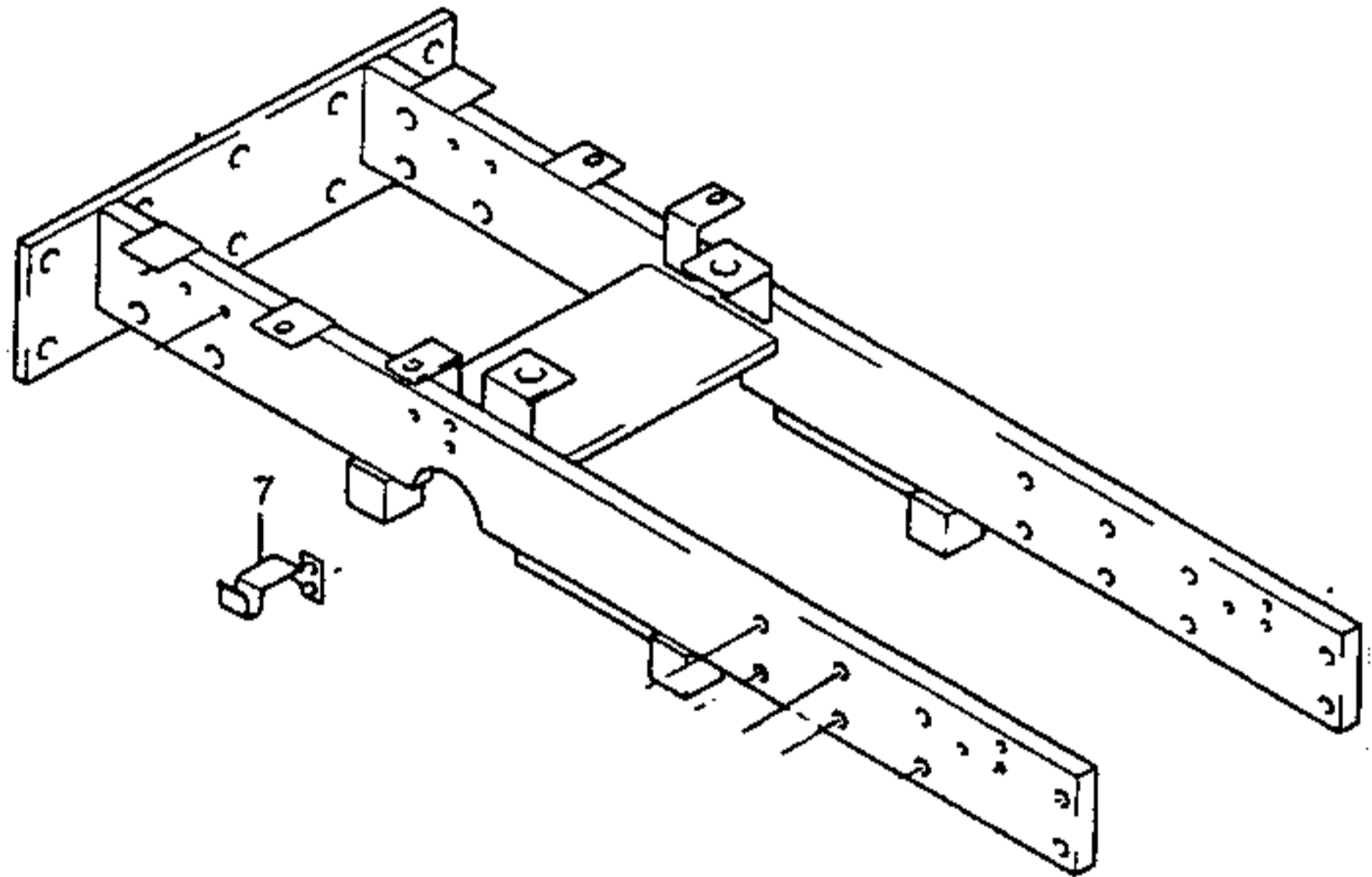
4. Remove the right foot step.
Remove the sheet metal cover in front of the right fuel tank. Also remove small metal plate (holder) on the right side of the right fuel tank, so you can move the right fuel tank slightly - about 3/8" - outwards (hoses stay connected to the fuel tank).

5. Remove the muffler end pipe. The pipe is attached to the muffler by two bolts and is facing forward).

6. - On each side of the tractor, remove the front bottom side wall bracket (7).
Bracket will not be used.

- Some tractors have a serial number plate welded to the right side of the engine side frame. Knock the plate off and clean the engine side frame from the rest of the weld.

Note: Tractor has another serial number plate in the back.

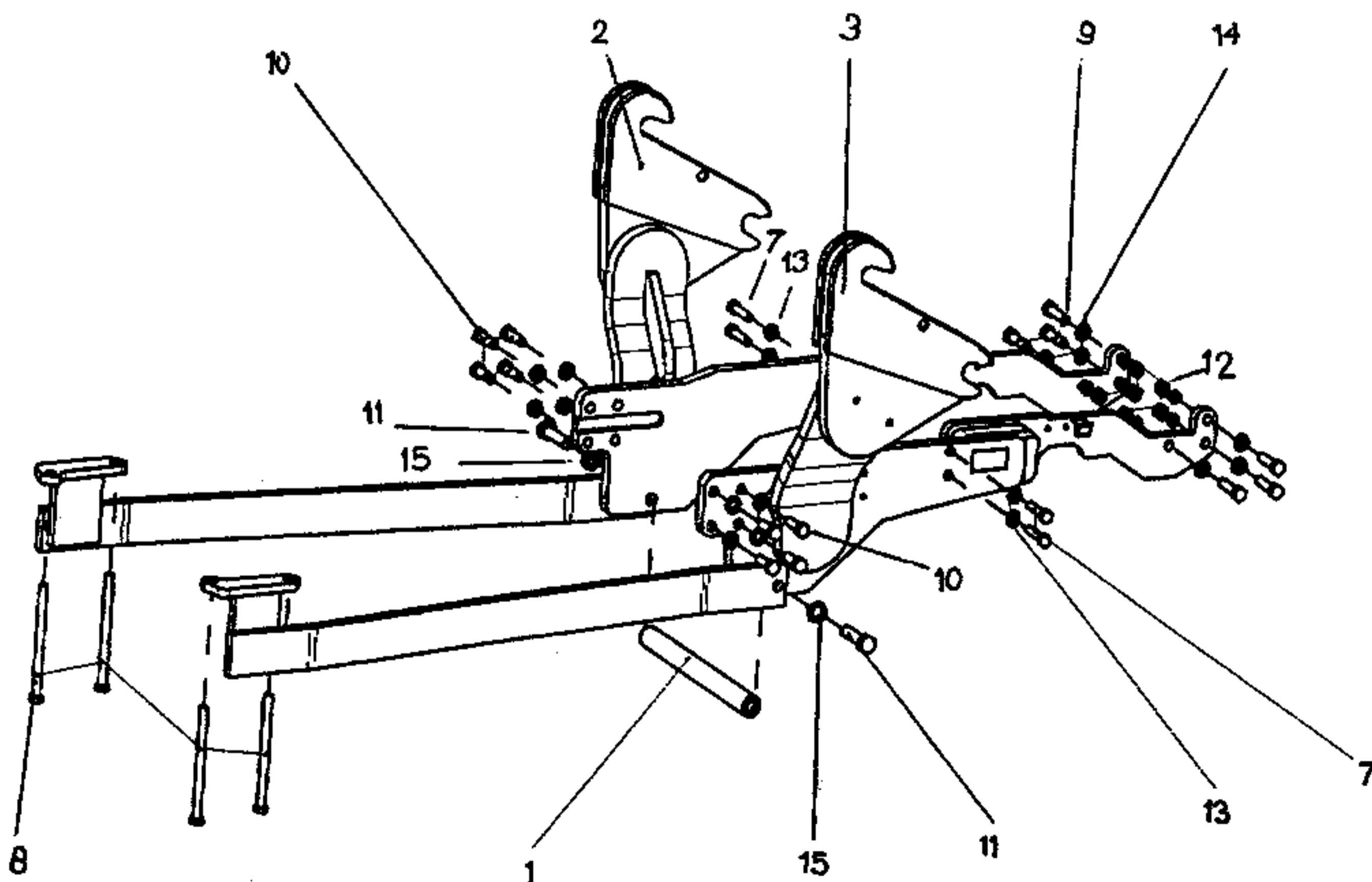


Installation: Frames (Tractor Models C29, C35)

- Note:** During installation, leave all bolts loose. Tighten all bolts only after all parts of loader mounting kit have been installed on tractor.
- Note:** In case of replacing a bolt or nut, use only metric bolt of the same or higher material class as the original (bolts are material class 8.8 or 10.9, class 10.9 is higher strength). Such bolts are stamped on their head with symbol "8.8" (or "8G"), or "10.9" ("10K") respectively. If you have difficulty to obtain such bolts locally, get them from the dealer.
- Note:** Maintain high level of cleanliness during hydraulic valve installation. Contamination of the hydraulic system can cause malfunctions.
- Note:** Side frames are heavy and installation is best accomplished using an engine crane or another lifting device. When installing the side frames, bring them to the tractor from the front, over the front axle. Place protective cloth over the piston rod of the steering cylinder, to avoid damage by the frame installation.
- First, install one bolt (9) at the front (leave loose), then continue with the other bolts.

1. Attach each side frame (2), (3) to tractor chassis with:

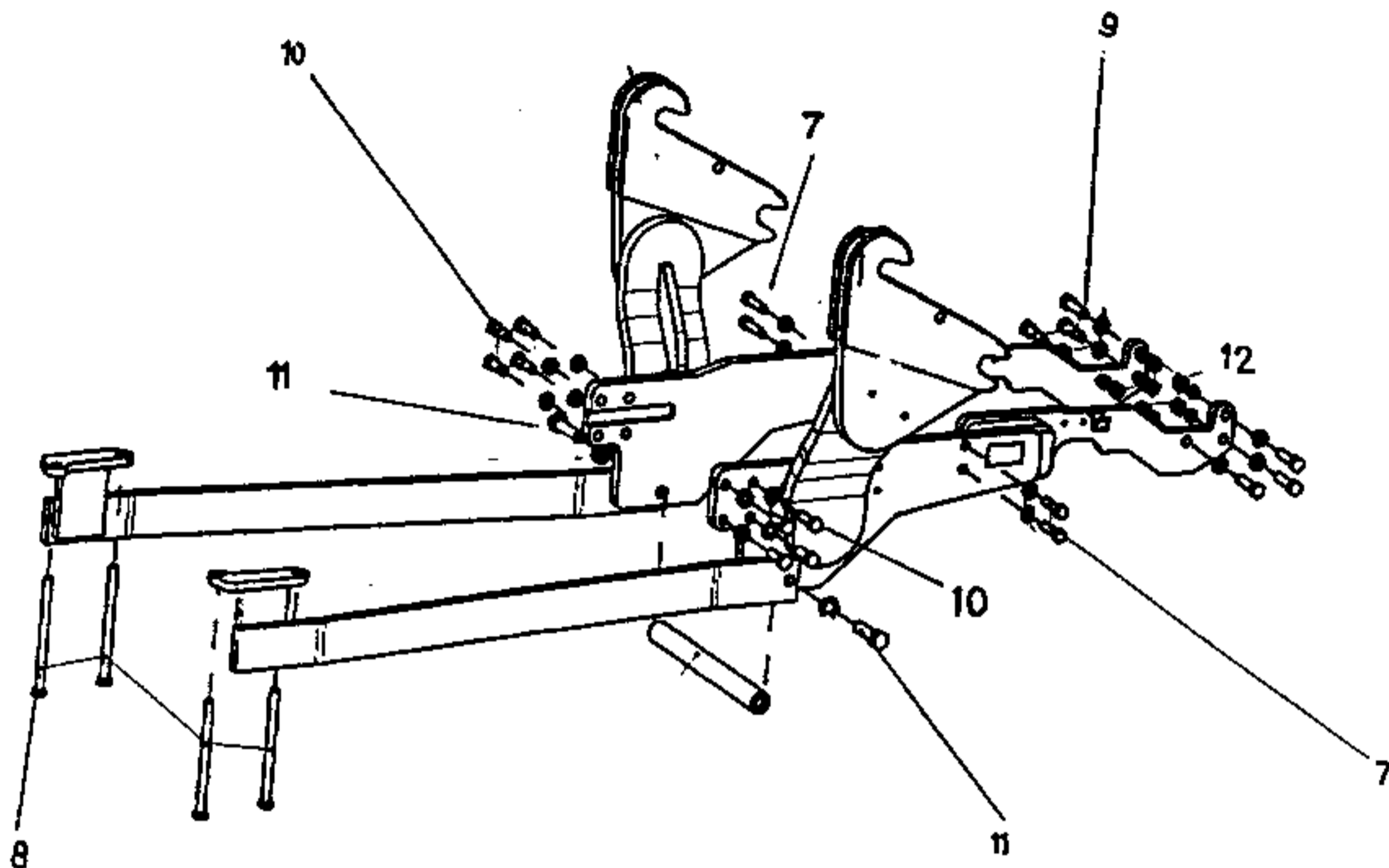
<ul style="list-style-type: none"> - Three bolts (9) with flat washers (14), lock washers and nuts (12). 	Bolt size - bolts (9): M16x60 (approx. 2-3/8" long) Length is meant less bolt head.
<ul style="list-style-type: none"> - Two bolts (7) with lock washers (13). 	Bolt size - bolts (7): M14x60 (approx. 2-3/8" long)
<ul style="list-style-type: none"> - Four bolts (10) with lock washers. [On the right side, it may be necessary to slide the fuel tank slightly out, to install bolts (10). Leave all hoses connected to the tank.] 	Bolt size - bolts (10): M16x50 (approx. 2" long)
<ul style="list-style-type: none"> - Two bolts (8). Bolts (8) replace the original inner bolts in the roll bar bracket on the rear axle. Bolts (8) use washers and nuts from the original bolts. (New bolts are longer than the original ones.) 	Bolt size - bolts (8): M16x210 (approx. 8-1/2" long)
Install cross brace (1) between the side frames with two bolts (11) and lock washers (15).	Bolt size - bolts (11): M20x75 (approx. 3" long)



Installation: Frames (Tractor Models C29, C35)

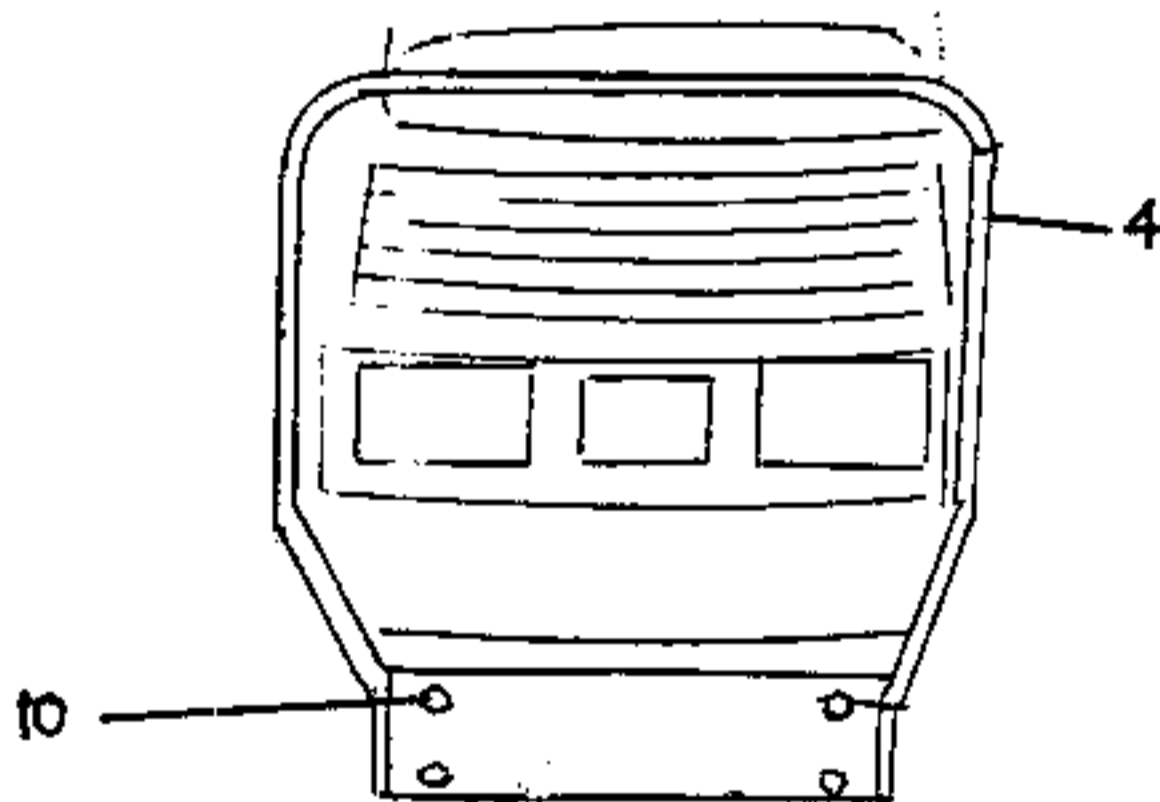
2. At this time, tighten bolts (a), (b), (d), (e), (f) with the following torques:

nuts (12)...160 lb-ft
bolts (7)...120 lb-ft
bolts (10)...160 lb-ft
bolts (8)...160 lb-ft
bolts (11)...300 lb-ft



3. Install front bumper (4) onto the front part of the tractor frame with four bolts (10), lock washers, flat washers and nuts.

Bolt size - bolts (10): M16x50
(approx. 2" long)
Length is meant less bolt head.

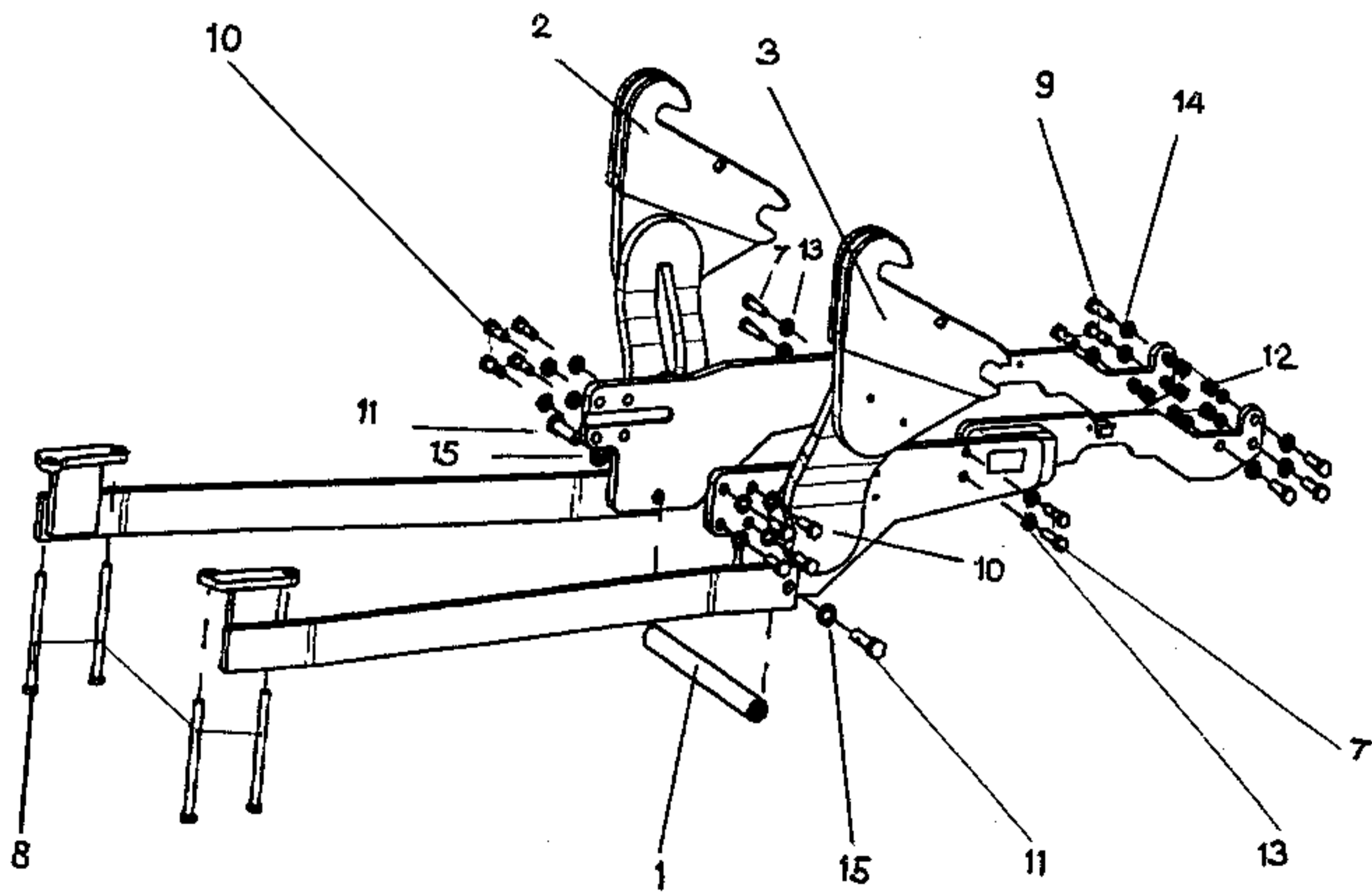


4. Install glass splash shields at the front of the platform.
5. Install the muffler end pipe.
Install the hood side panels. Check for interference between the muffler pipe and the bottom edge of the side panel. In some cases, it may be necessary to trim slightly the bottom edge of the side panel.
6. Lift the front axle so it can oscillate up and down around the center pivot.
Check for interference between steering cylinder sheet metal covers and the muffler end pipe. Trim the cover as necessary.
7. Install the right foot steps.
Install the right fuel tank retaining plates (removed previously).

Installation: Frames (Tractor Models C38L, C42L, C47L)

- Note:** During installation, leave all bolts loose. Tighten all bolts only after all parts of loader mounting kit have been installed on tractor.
- Note:** In case of replacing a bolt or nut, use only metric bolt of the same or higher material class as the original (bolts are material class 8.8 or 10.9, class 10.9 is higher strength). Such bolts are stamped on their head with symbol "8.8" (or "8G"), or "10.9" ("10K") respectively. If you have difficulty to obtain such bolts locally, get them from the dealer.
- Note:** Maintain high level of cleanliness during hydraulic valve installation. Contamination of the hydraulic system can cause malfunctions.
- Note:** Side frames are heavy and installation is best accomplished using an engine crane or another lifting device. When installing the side frames, bring them to the tractor from the front, over the front axle. Place protective cloth over the piston rod of the steering cylinder, to avoid damage by the frame installation.
- First, install one bolt (9) at the front (leave loose), then continue with the other bolts.

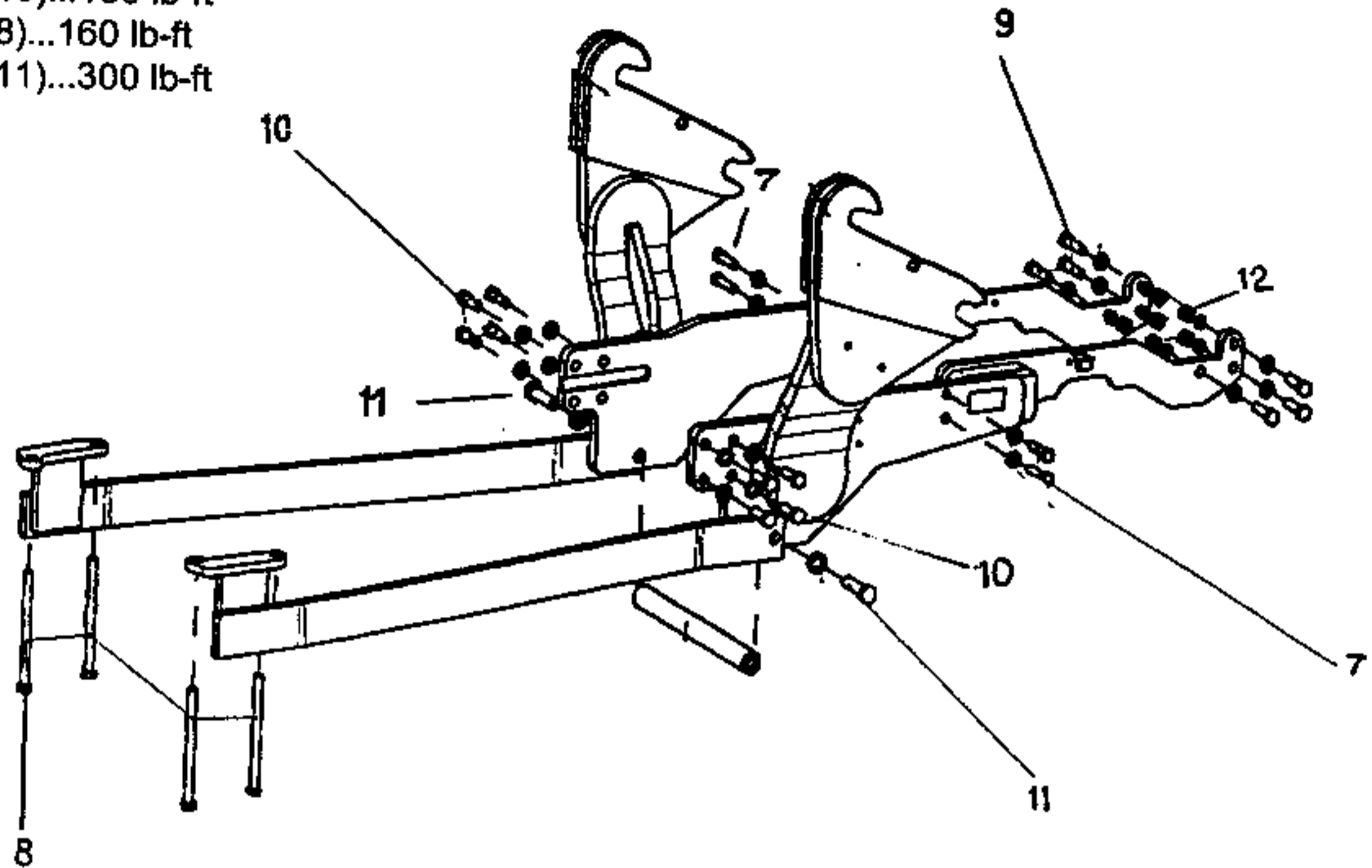
1. Attach each side frame (2), (3) to tractor chassis with:	
- Three bolts (9) with flat washers (14), lock washers and nuts.	Bolt size - bolts (9): M16x60 (approx. 2-3/8" long) Length is meant less bolt head.
- Two bolts (7) with flat washers (13).	Bolt size - bolts (7): M14x60 (approx. 2-3/8" long)
- Four bolts (10) with lock washers. [On the right side, it may be necessary to slide the fuel tank slightly out, to install bolts (10). Leave all hoses connected to the tank.]	Bolt size - bolts (10): M16x50 (approx. 2" long)
- Two bolts (8). Bolts (8) replace the original inner bolts in the roll bar bracket on the rear axle. Bolts (8) use washers and nuts from the original bolts. (New bolts are longer than the original ones.)	Bolt size - bolts (8): M16x210 (approx. 8-1/2" long)
Install cross brace (1) between the side frames with two bolts (11) and lock washers (15).	Bolt size - bolts (11): M20x75 (approx. 3" long)



Installation: Frames (Tractor Models C38L, C42L, C47L)

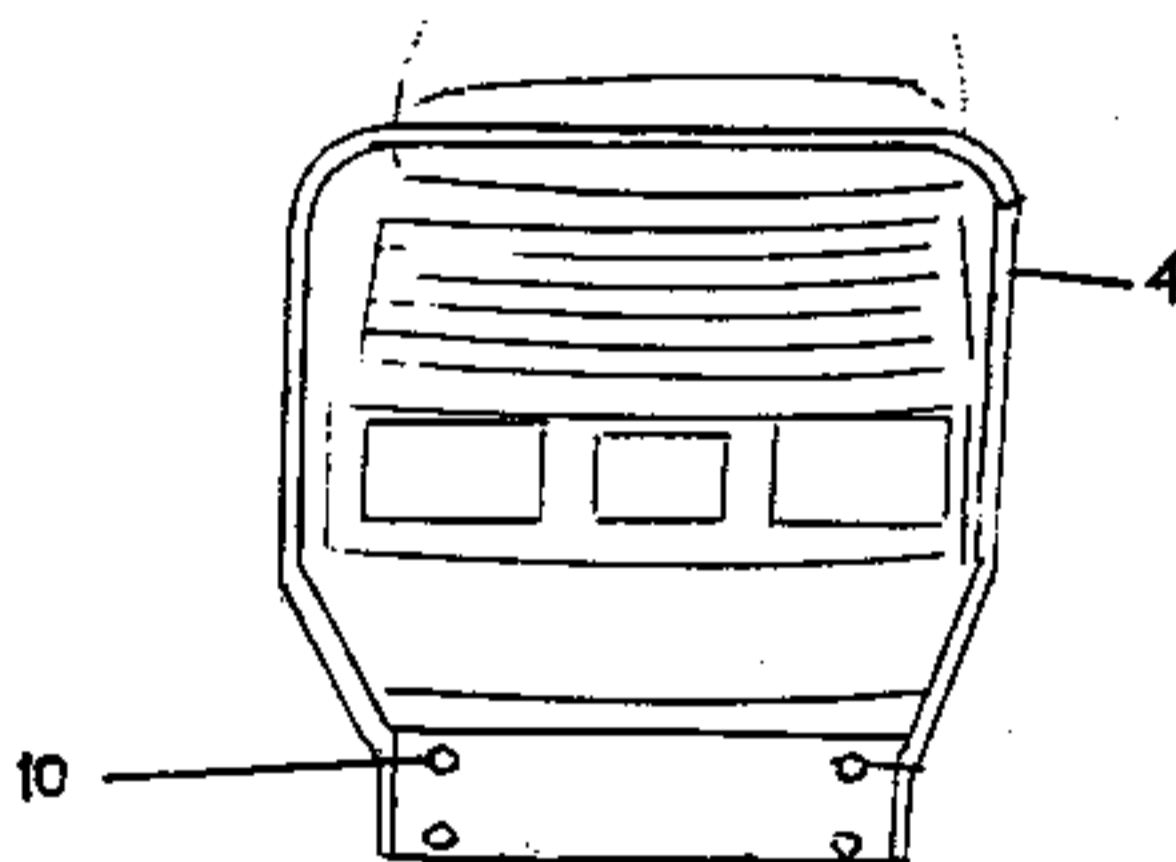
2. At this time, tighten bolts (a), (b), (d), (e), (f) with the following torques:

nuts (12)...160 lb-ft
bolts (7)... 120 lb-ft
bolts (10)...160 lb-ft
bolts (8)...160 lb-ft
bolts (11)...300 lb-ft



3. Install front bumper (4) onto the front part of the tractor frame with four bolts (10), lock washers, flat washers and nuts.

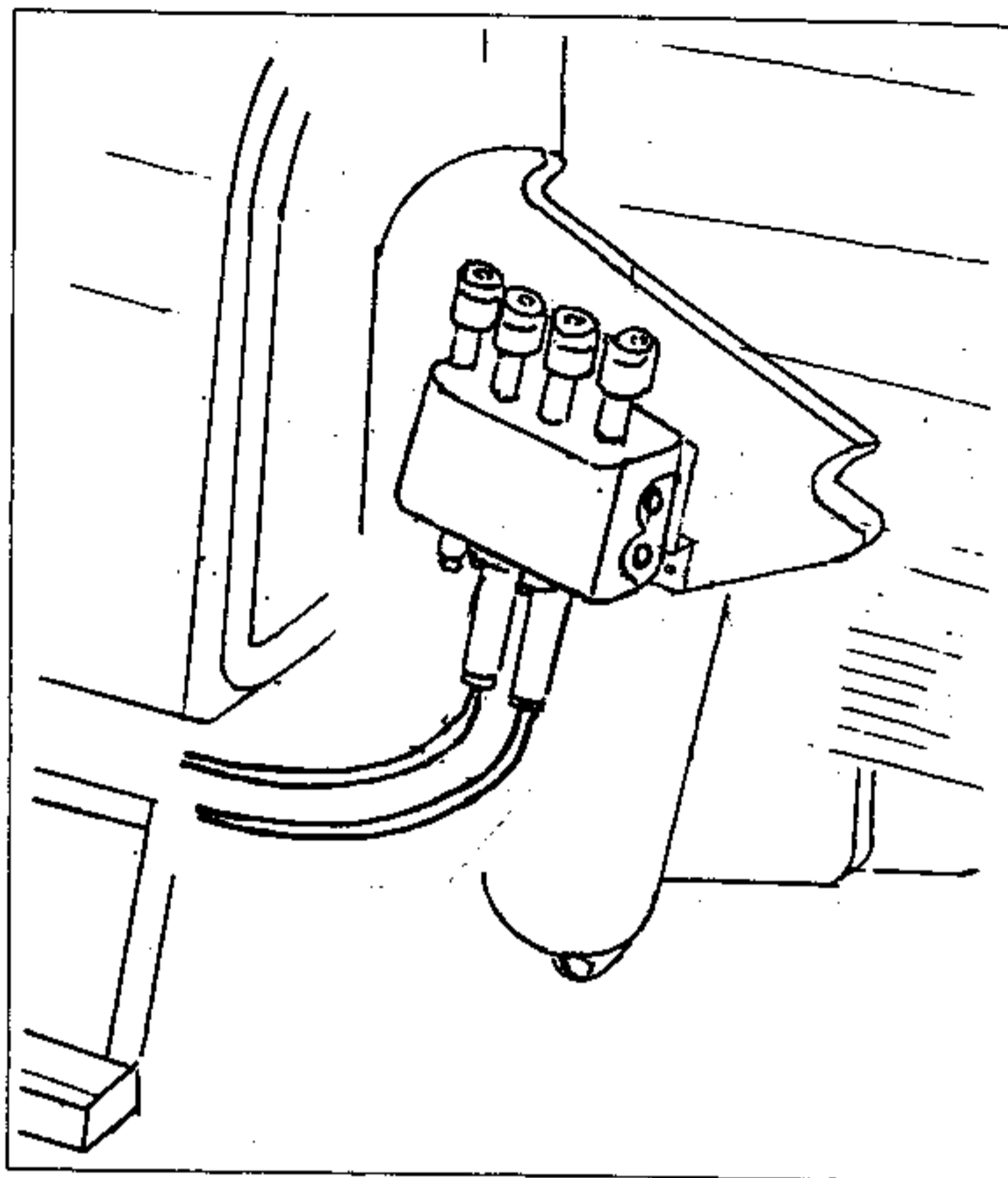
Bolt size - bolts (10): M16x50
(approx. 2" long)
Length is meant less bolt head.



4. Install glass splash shields at the front of the platform.
5. Install the muffler end pipe.
Install the hood side panels. Check for interference between the muffler pipe and the bottom edge of the side panel. In some cases, it may be necessary to trim slightly the bottom edge of the side panel.
6. Lift the front axle so it can oscillate up and down around the center pivot.
Check for interference between steering cylinder sheet metal covers and the muffler end pipe. Trim the cover as necessary.
7. Install the right foot-steps.
Install the right fuel tank retaining plates (removed previously).

Installation: Hydraulic Valve & Hoses (All Tractor Models)

1. Attach valve to its bracket (plate) using three bolts M8 with flat washers.
Attach the bracket with the valve to the right loader frame using two bolts M12 with flat washers.



2. If hoses were not connected to the valve at the factory, connect them as follows:

- Install and tighten straight adapters to valve ports P1, T1, and T (two are larger, one is smaller).
- Connect hose (P1), 55" long, to valve inlet port (port is marked "P1"), through supplied elbow adapter.
- Connect hose (T1), 57" long, to valve power-beyond port (port is marked "T1"), through supplied elbow adapter.

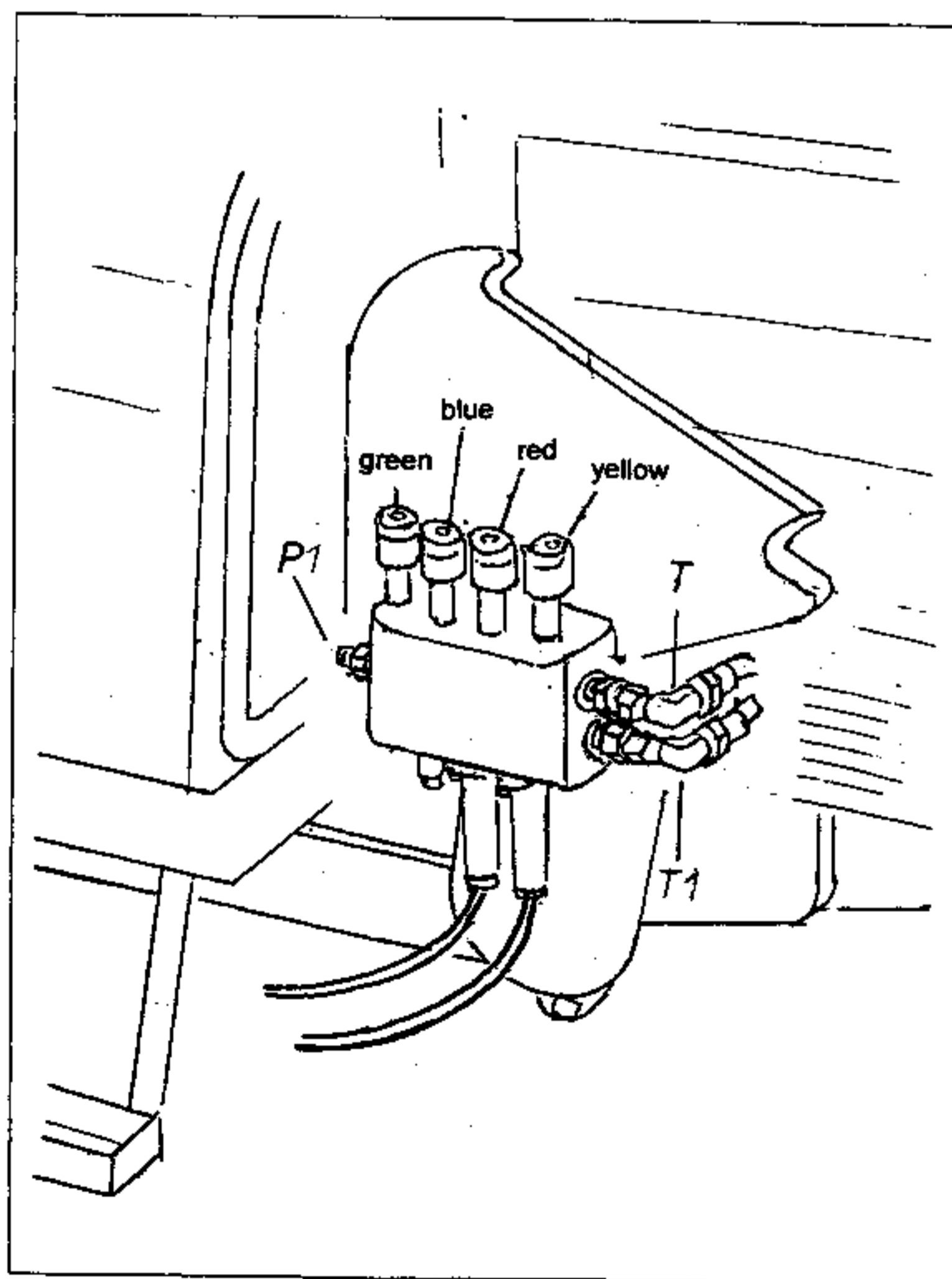
Note: Some loaders use elbow hose ends, instead of separate elbow adapters.

- Connect hose (T), 81" long, to valve outlet port (port is marked "T"), through supplied elbow adapter.

Note: Some loaders use elbow hose ends, instead of separate elbow adapters.

Caution: Arrange elbow ends as shown so hoses (T), (T1) run towards the tractor, to stay as far as possible from the front tire.

- Install four quick couplers into the valve. Couplers have color marking. From the front of the tractor, couplers are in this sequence:
 - = yellow color
 - = red color
 - = blue color
 - = green color



Installation: Hydraulic Valve & Hoses (All Tractor Models)

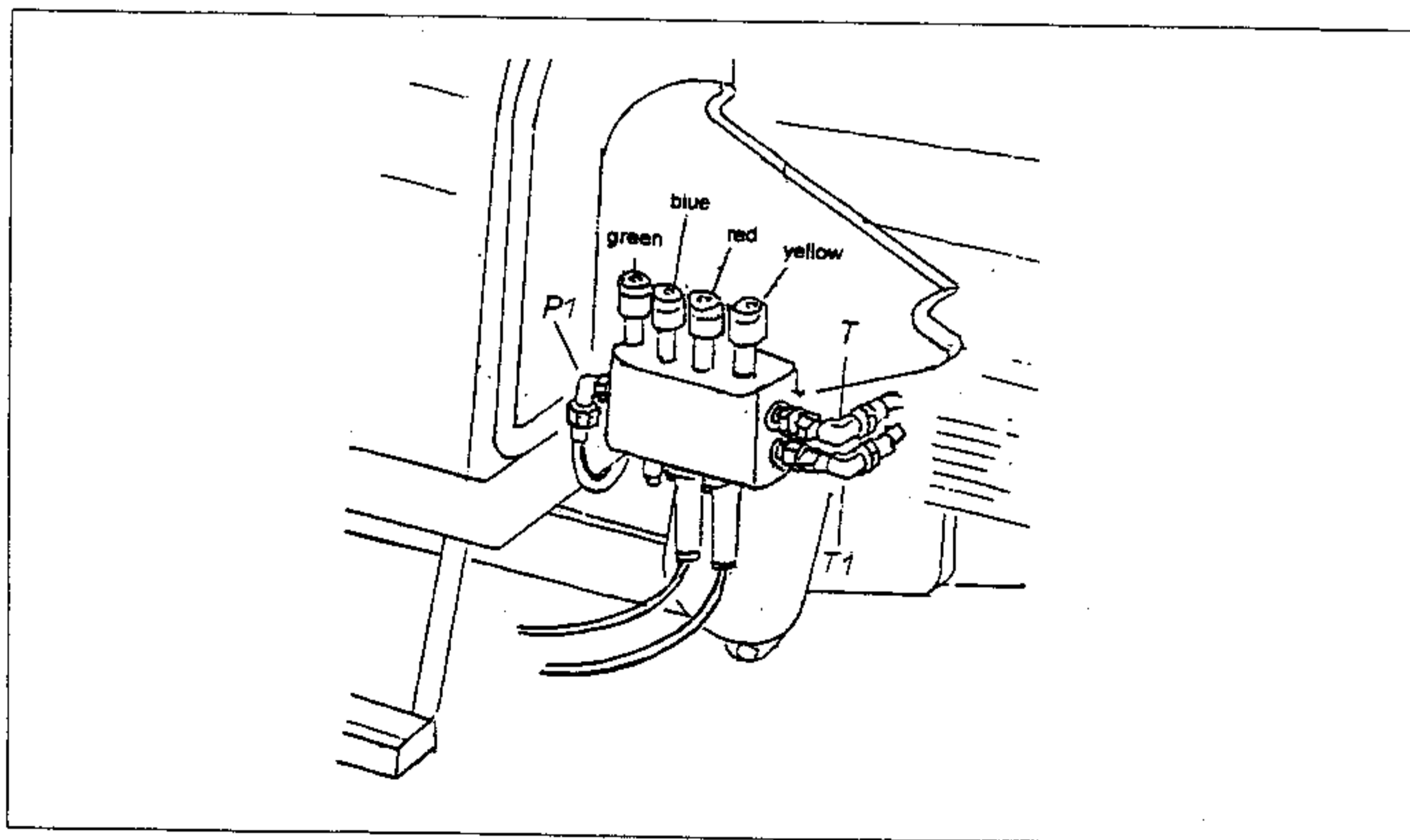
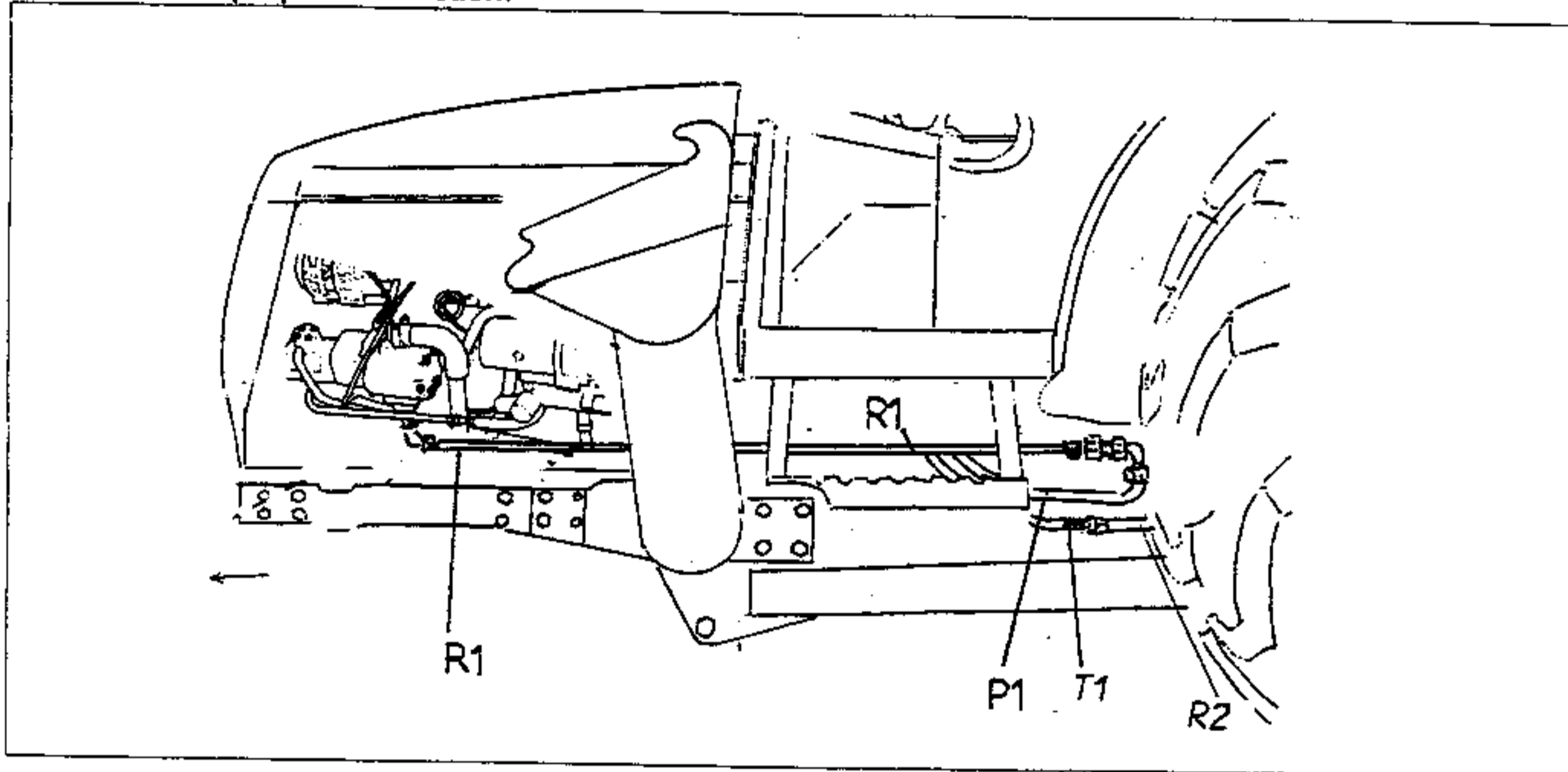
3. Connecting INLET and POWER-BEYOND hoses to the tractor

On the left side of the transmission, a steel line runs from the bottom port of the hydraulic pump to the hydraulic housing (on top of the differential housing). This is the pressure line; it has front part (R1) and rear part (R2). Their joint is best accessible after removing the left rear wheel.

- Disconnect line (R1) from line (R2).
- Connect hose (P1), 55" long, from loader inlet port to the open end of line (R1). Hose has elbow end.
- Connect hose (T1) from loader power-beyond port to the open end of line (R2).

Hoses P1 and T1 will be running under the tractor, between the transmission housing and the drive shaft cover.

Double-check proper connection.



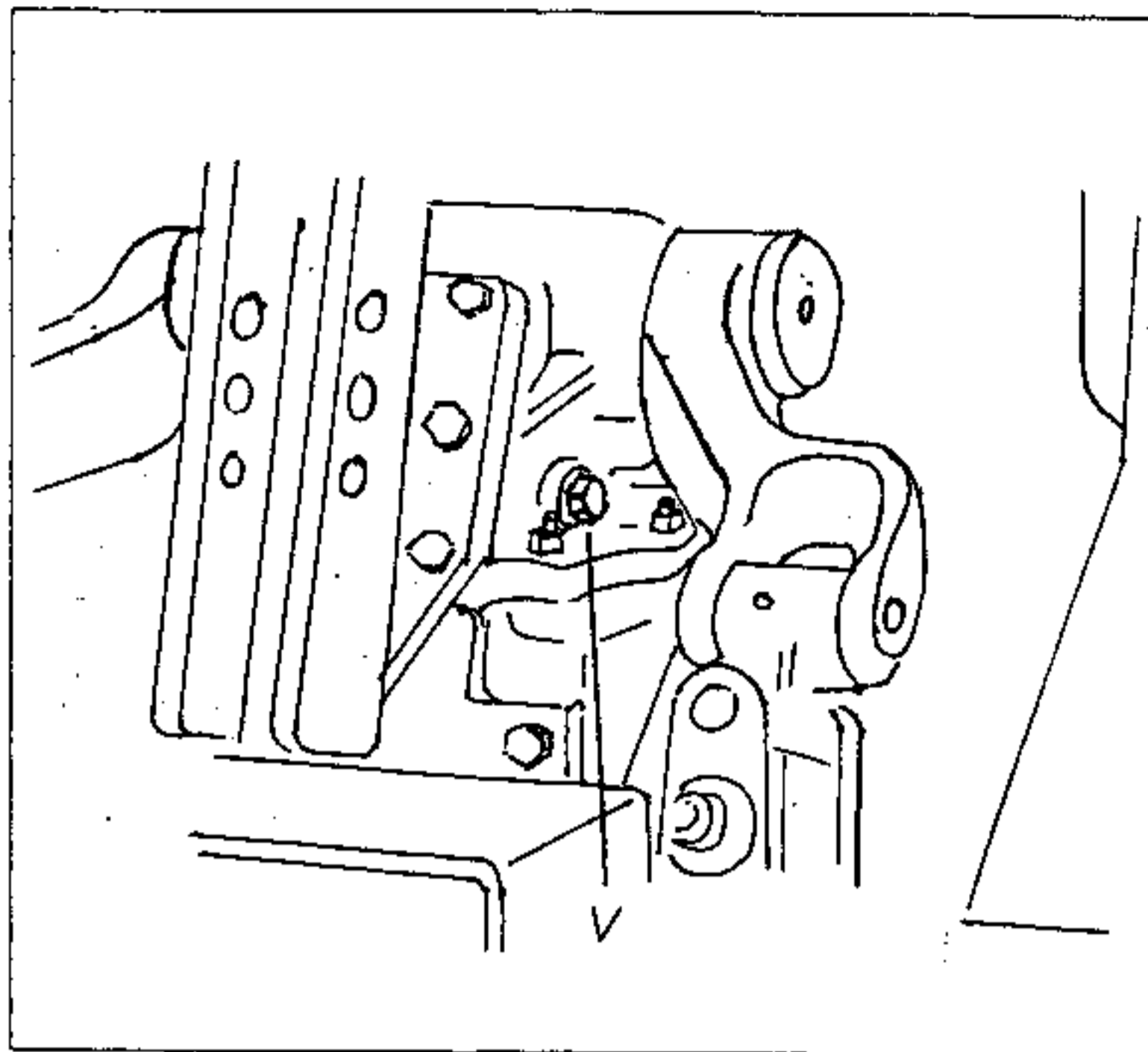
4. Connecting OUTLET hose to the tractor

In the right rear corner of the rockshaft housing, there is port (V). Port is plugged with a plug.

Remove the plug and connect hose (T) from loader outlet port to port (V). Hose has a suitable adapter.

Route hose (T) along the right side of the transmission so it stays clear from moving parts (pedals, levers). Use cable ties to keep hose (T) in place.

At this time, tighten all hose connections.



Installation: Joystick (All Tractor Models)

Before connecting the joystick to cables, make sure joystick lever moves very easily in all directions. Joystick lever must be "free-falling" in all directions just by its weight when joystick is placed in horizontal position. If this is not the case, investigate the cause.

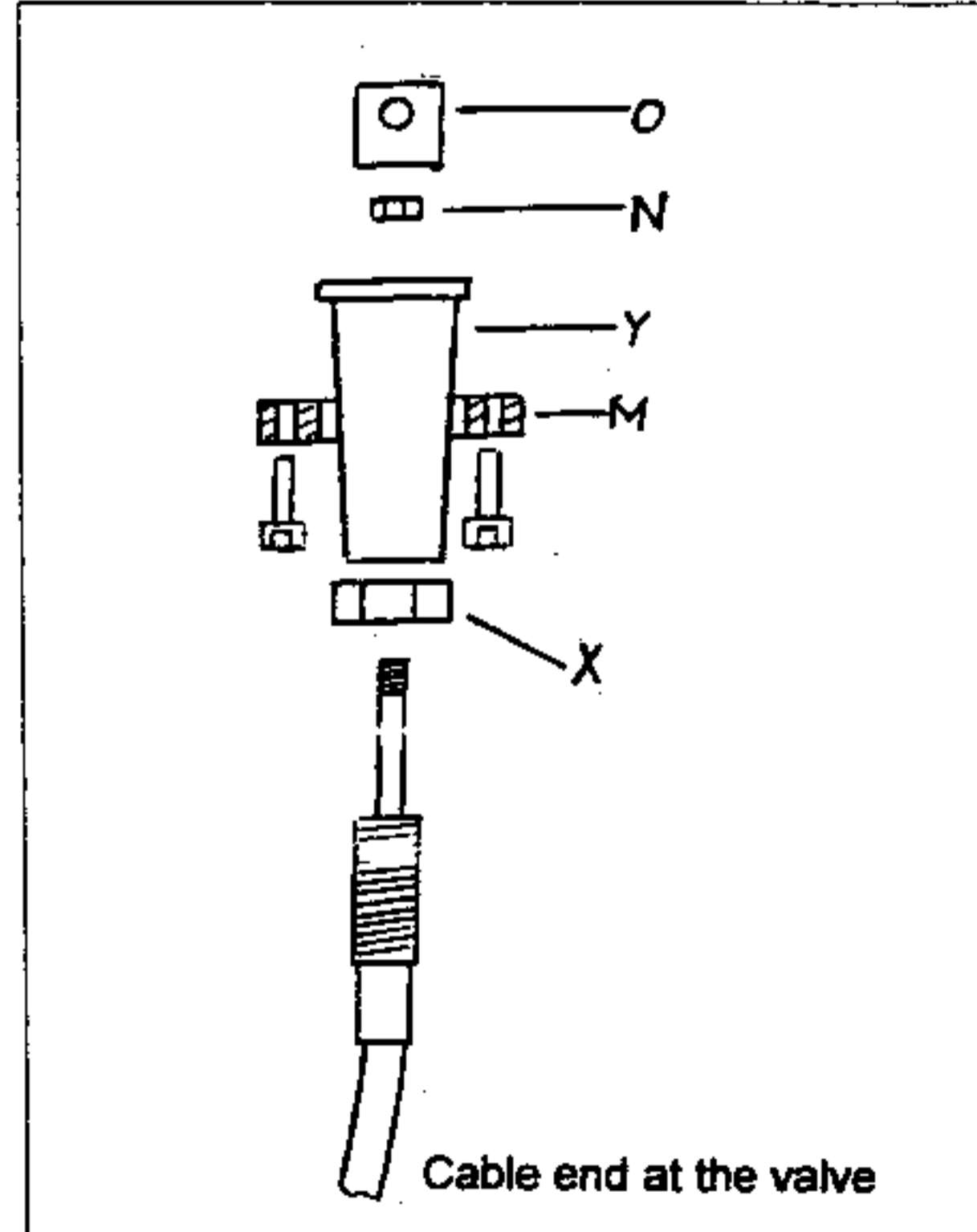
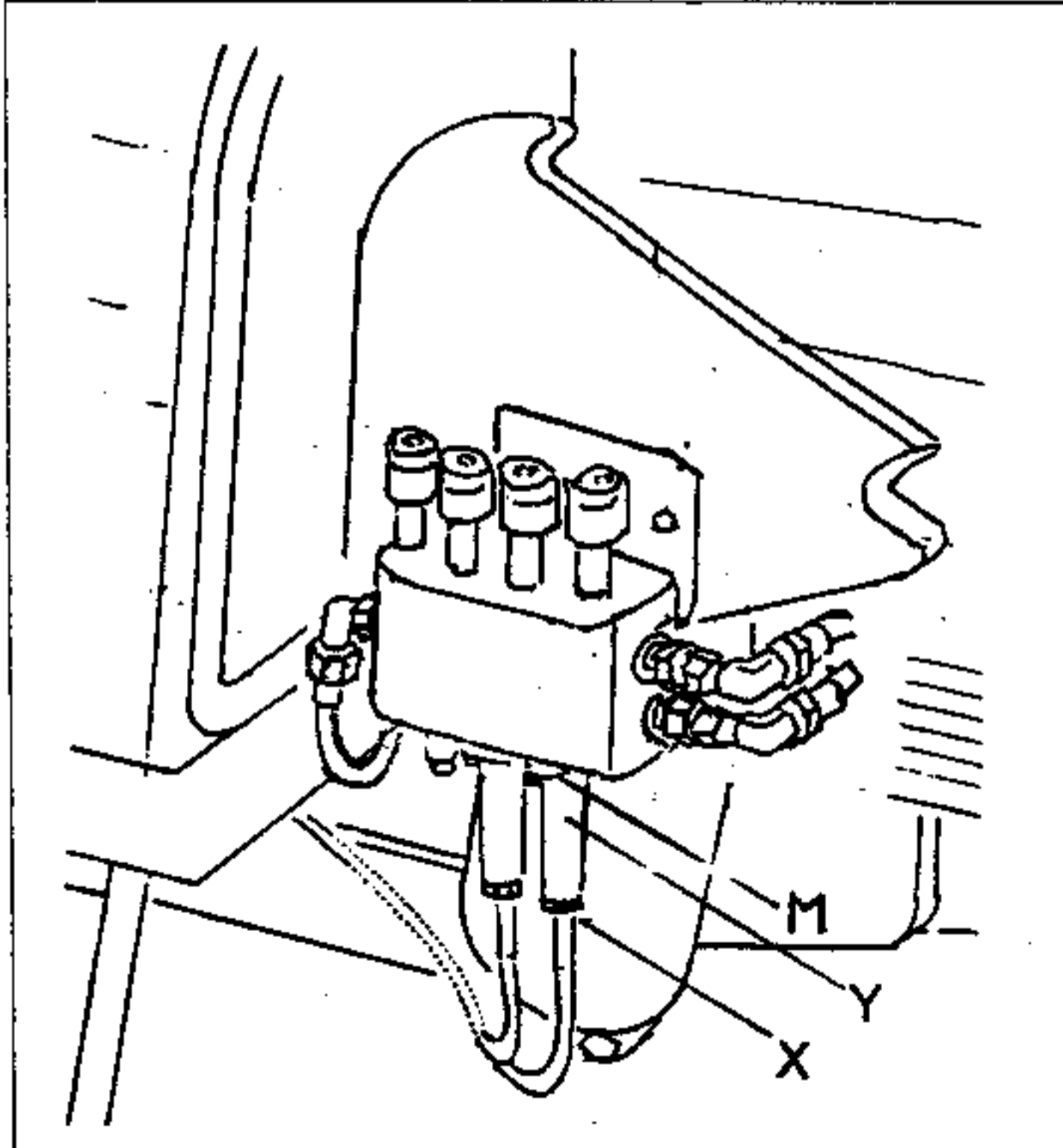
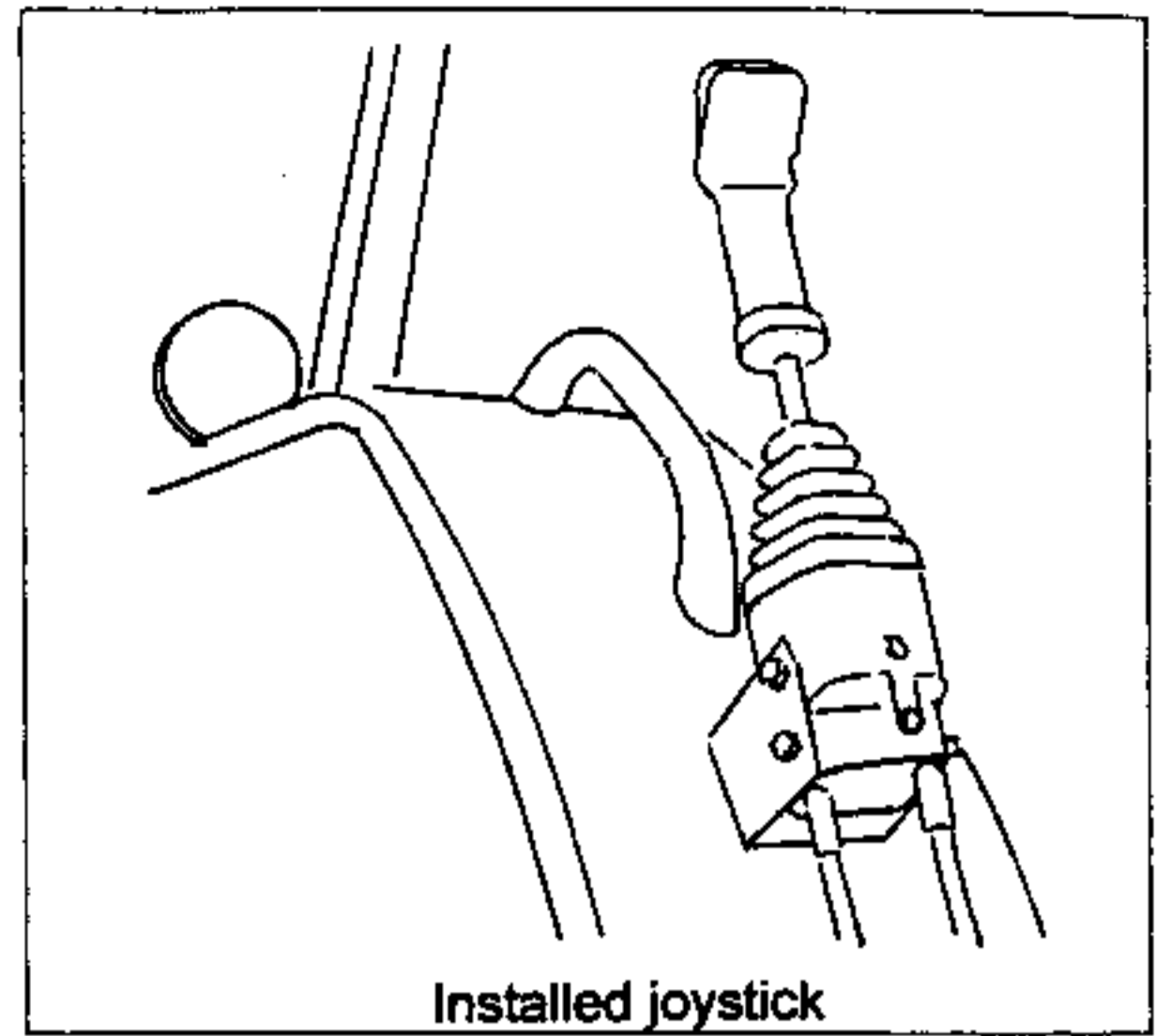
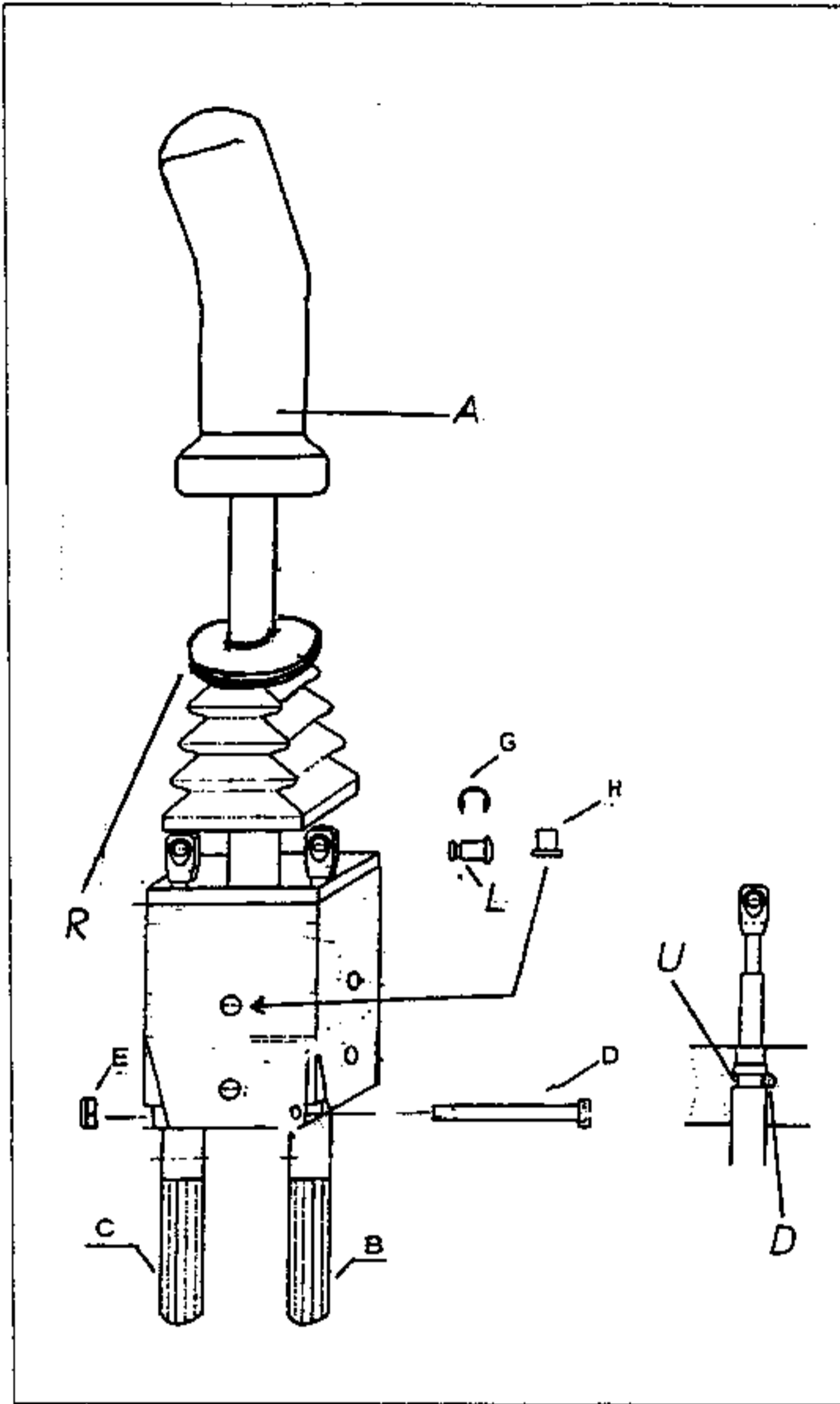
Possible causes may be too tight bolt in joystick suspension, or too tight plastic bushing in joystick suspension.

Too tight a joystick will not be returning to neutral after it has been connected to the valve and will cause overheating of tractor hydraulic system.

Connect cables to the joystick:

- Loosen two Allen bolts at flange (M) on each valve spool. Use 4-millimeter Allen wrench (supplied with the loader).
Also loosen lock nuts (X).
Run cables alongside the outer lower edge of the fuel tank.
- Hold the joystick so the manufacturer's logo "INDEMAR" stamped into the joystick base will be facing rearwards.
Release locking ring (R) upwards so you can move the joystick handle.
- Slide cable ends (B), (C) through holes in joystick base, all the way through.
The cable from the rear valve spool runs through the LH hole in joystick base (LH is meant sitting in the seat).
The cable from the front valve spool runs through the RH hole in joystick base.
- Connect cables to internal joystick levers using pins (L) and clips (G).
Replacement clips (G) are available under part number 970207.
Note: By tilting joystick handle in appropriate direction, the internal lever will move high enough so pin (L) can be inserted.
- Engage locking ring (R) so joystick handle cannot move.
- Turn each sleeve (Y) at the valve until groove (U) in cable end inside the joystick is under hole through joystick base so bolt (D) can be inserted.
- Install bolt (D) through joystick base (through grooves (U) in both cables). This will secure cable ends to the joystick base. Bolt (D) has lock nut (E). Tighten bolt (D) gently using supplied 5-millimeter Allen wrench.
- Tighten flanges (M) at the valve GENTLY so they do not break.
- Mount the joystick into the bracket on RH fender (bracket was installed earlier).
- Plug remaining four holes on the sides of joystick base with plastic plugs (H). This is important so water cannot enter the cables and freeze.
- Release locking ring (R). Joystick handle should not move and you should be able to engage locking ring (R) back without moving the joystick handle.
If joystick handle must be moved before locking ring (R) can be engaged, loosen lock nuts (X) and Allen screws at flanges (M) and turn sleeves (Y) until joystick handle is centered and locking ring (R) can be engaged.
Tighten lock nuts (X) and flanges (M) gently.
- Turn plastic handle (A) into appropriate direction, if necessary.

Installation: Joystick (All Tractor Models)



Installation: Finishing Steps (All Tractor Models)

1. Attach loader on tractor:

Open the loader stands and turn the pallet with the loader so loader will stand on its stands. Remove the wooden pallet. The geometry of the loader ensures its stability on stands even without a bucket attached.

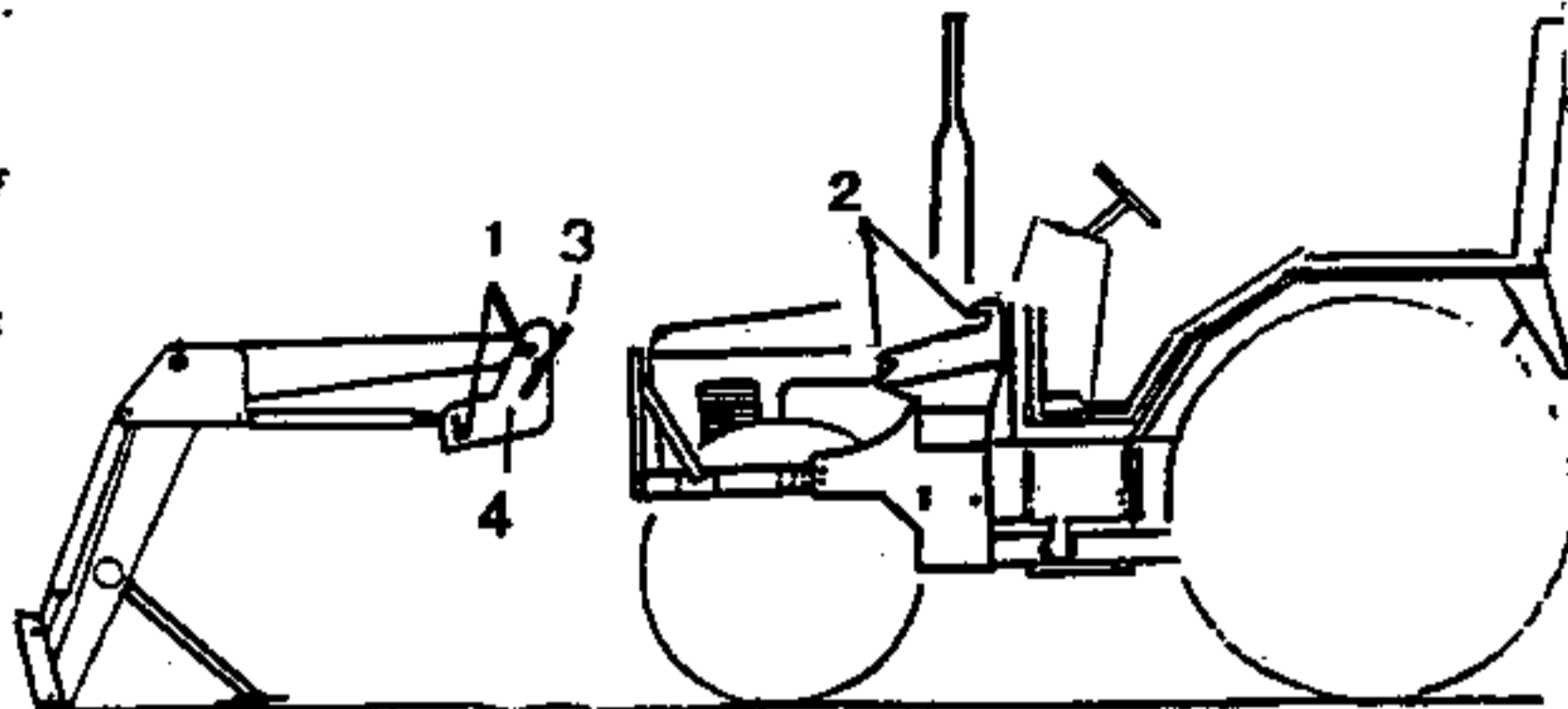
Note: To turn the pallet with the loader, two workers are needed, or a lifting device. (loader boom has holes for a lifting device).

Note: Remove paint from seats (2) on the frame with a file. Apply light coat of grease into seats (2) and on the inside surfaces of brackets (4).

Loader must slide easily all the way into its final position, otherwise it will be difficult to disconnect.

Drive tractor into the loader. If the height of the loader does not match the tractor, connect the hoses and operate the joystick forward/backwards, until the loader matches the height of the hooks on the loader subframe.

Note: Sometimes, pressure may build up in the loader cylinders and couplers cannot be connected. Relieve this pressure by loosening the connection between the coupler and the hose. Wear eye protection during this step!



2. Attach bucket to the loader. See page 6.

3. Operate loader carefully. Verify proper joystick functions (see page 9). Check for hydraulic leaks. Check for clearances between bucket cylinder hoses and the front bumper. Make sure that the right rear lift cylinder hose clears the front bumper as loader is being detached from tractor (hose elbow end needs to be turned upwards as much as possible).

Add transmission oil if necessary (universal hydraulic-transmission fluid is filled from the factory).

Note: When working on slopes, add another gallon of oil above the top mark.

IMPORTANT:

Although proper joystick cable installation makes further adjustment unnecessary, it is suggested to check proper joystick function:

Have engine running at low idle. Move joystick slightly towards the back (loader will start lifting and you will hear change in hydraulic pump sound as the pump is "laboring" against pressure). Release joystick slowly and see whether it returns to neutral position. At the same time, pump must quit "laboring".

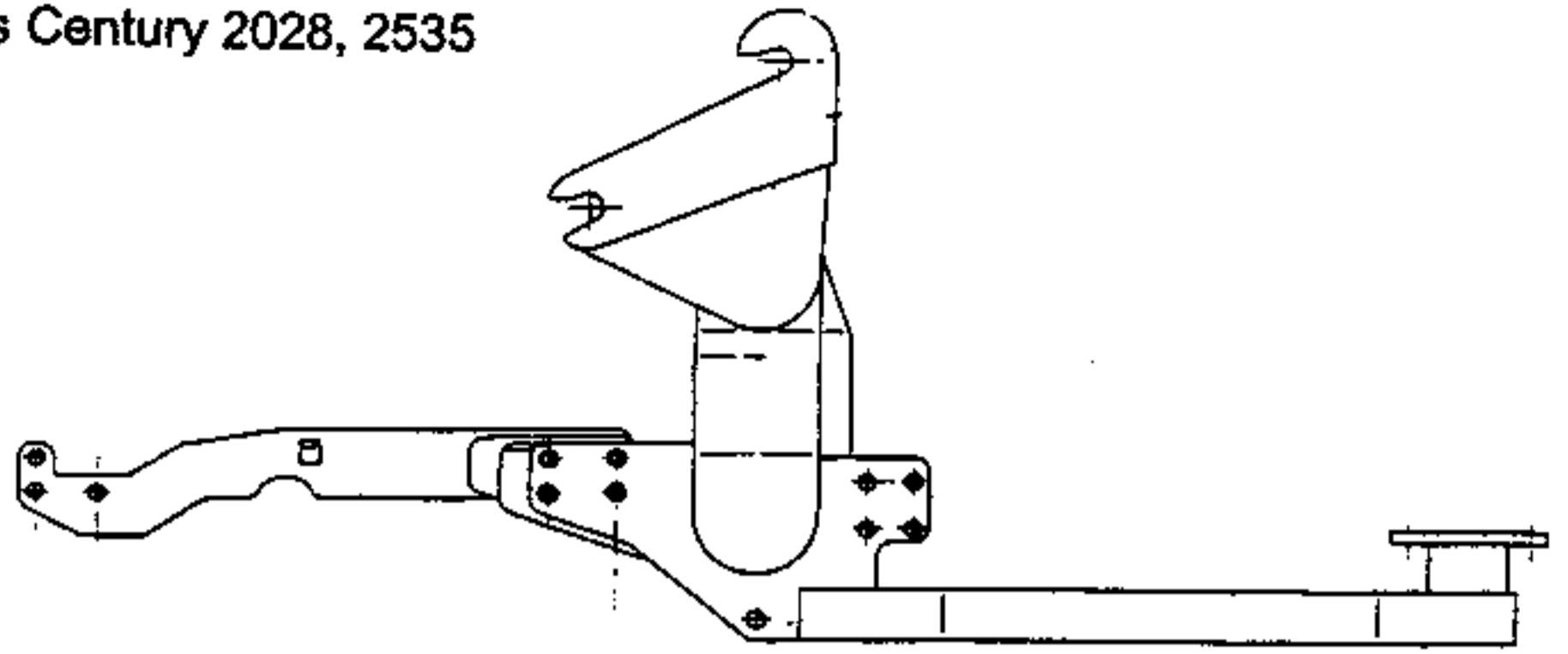
Try this in all four directions of joystick motion.

For example, if cables are twisted, a drag may occur. Loosen nut (X) and turn sleeve (Y) to release the twist (see page A-11). There are other options - see note at the top of page A-10.

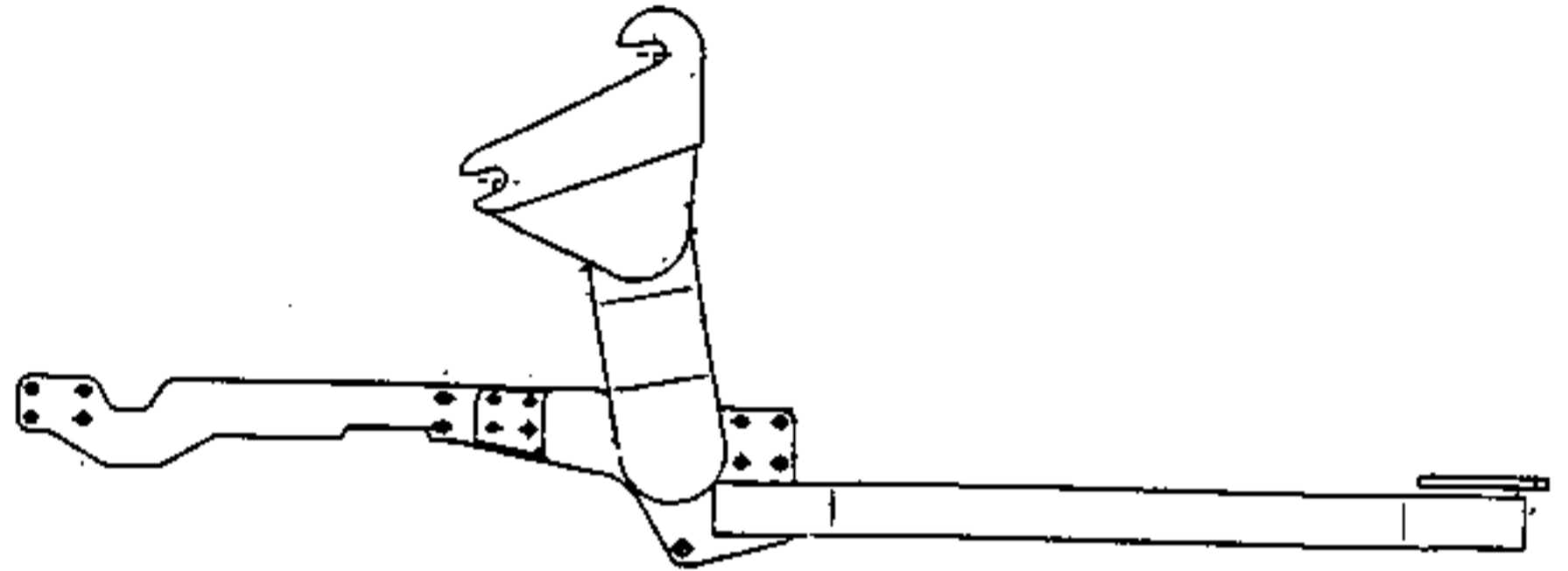
4. Verify that the loader can be detached easily using procedure from page 4. If loader does not detach easily, make sure all paint was removed from seats on the frame.

Installation: Summary of Mounting Frames

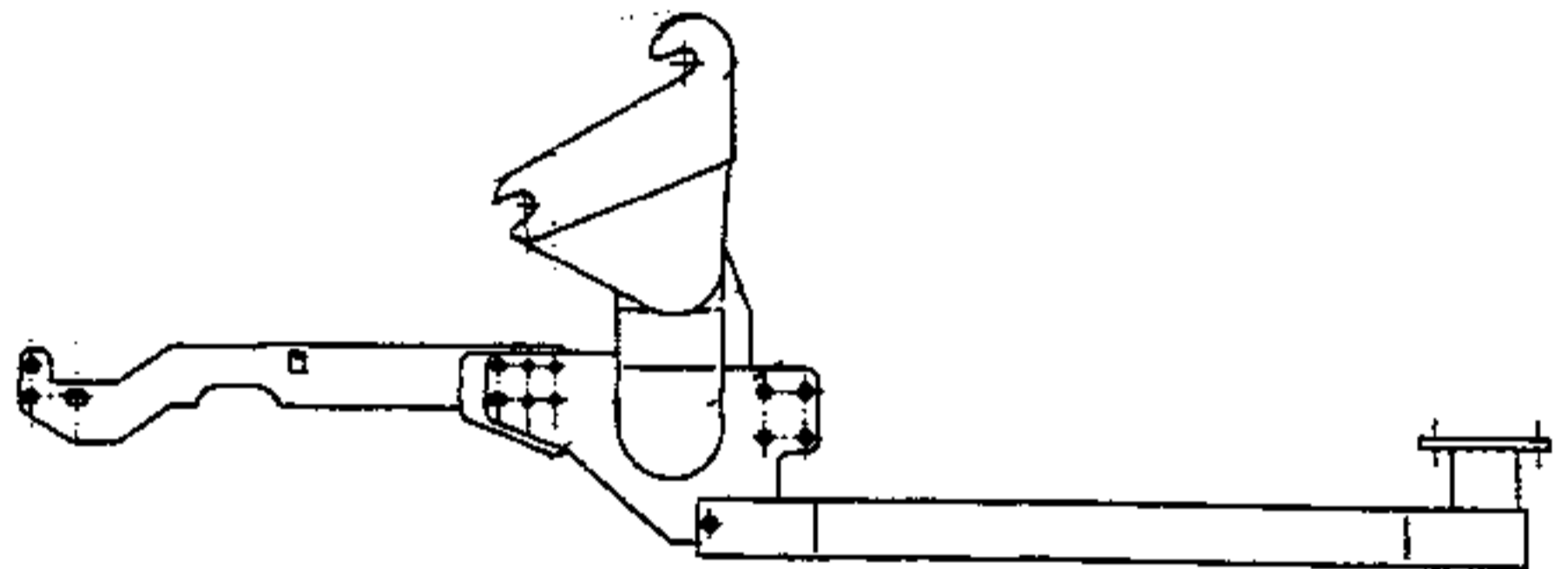
Mounting kit 900048: Fits tractor models Century 2028, 2535



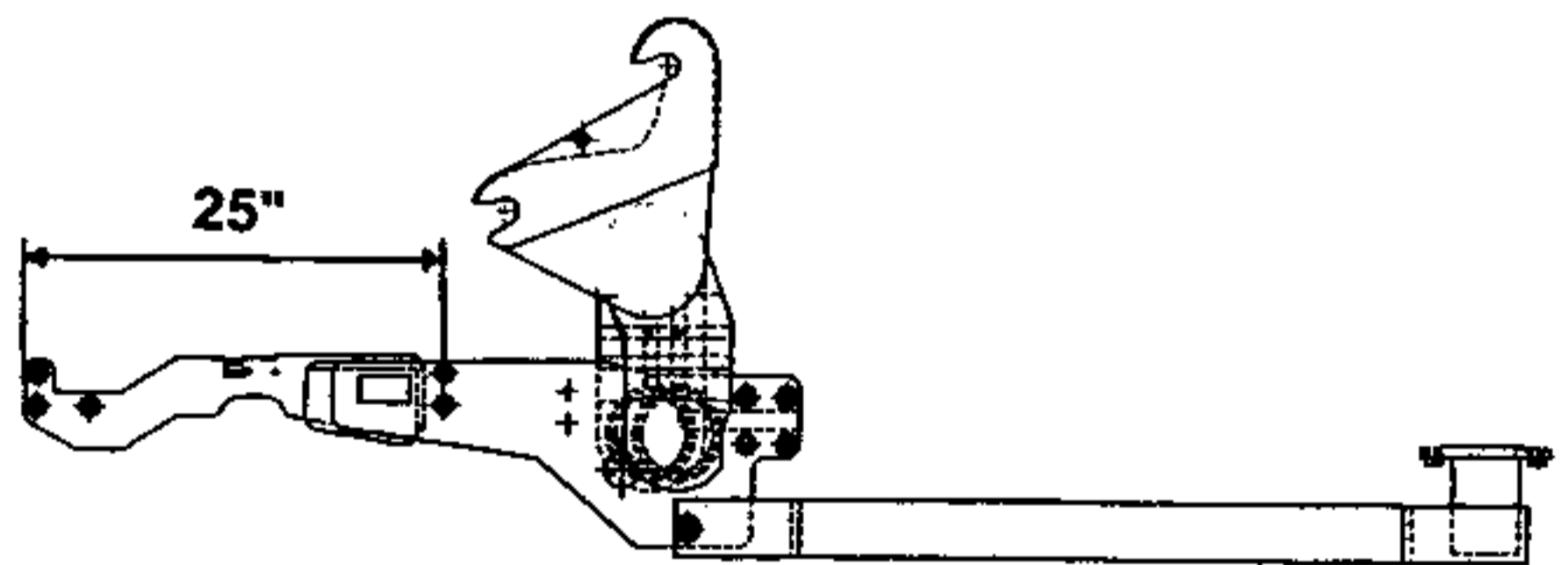
Mounting kit 900047: Fits tractor models Century 2035, 2045



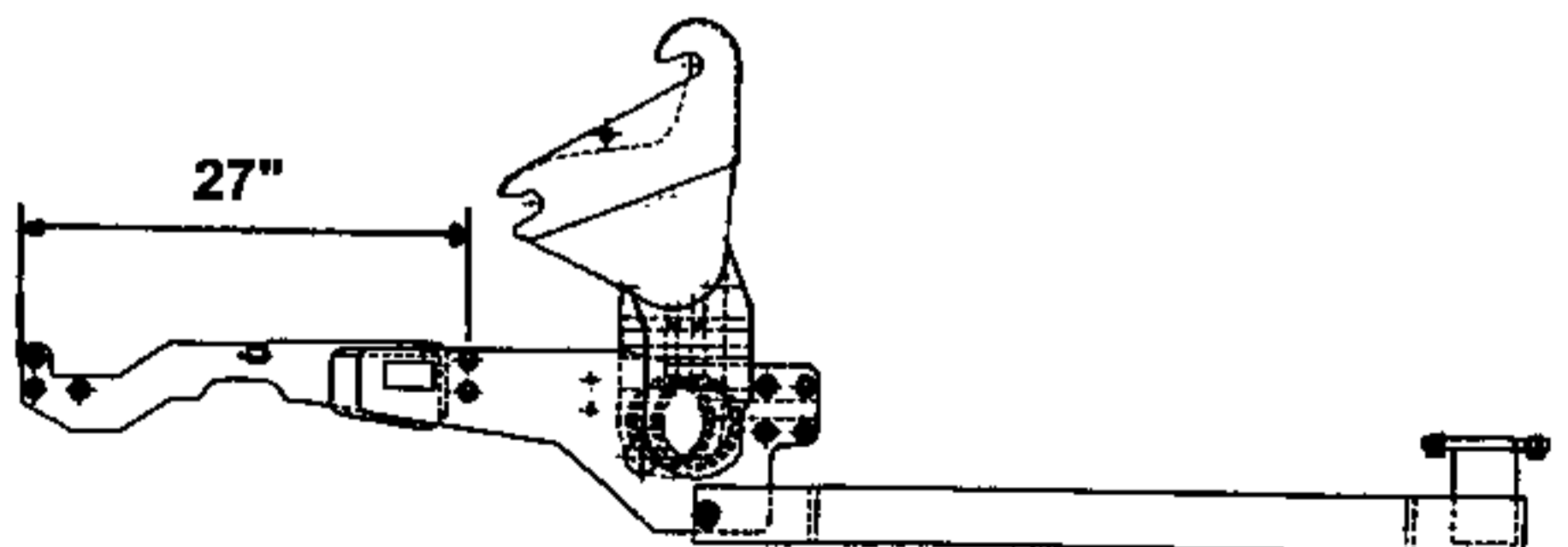
Mounting kit 900063: Fits tractor models Century 3035, 3040, 3045



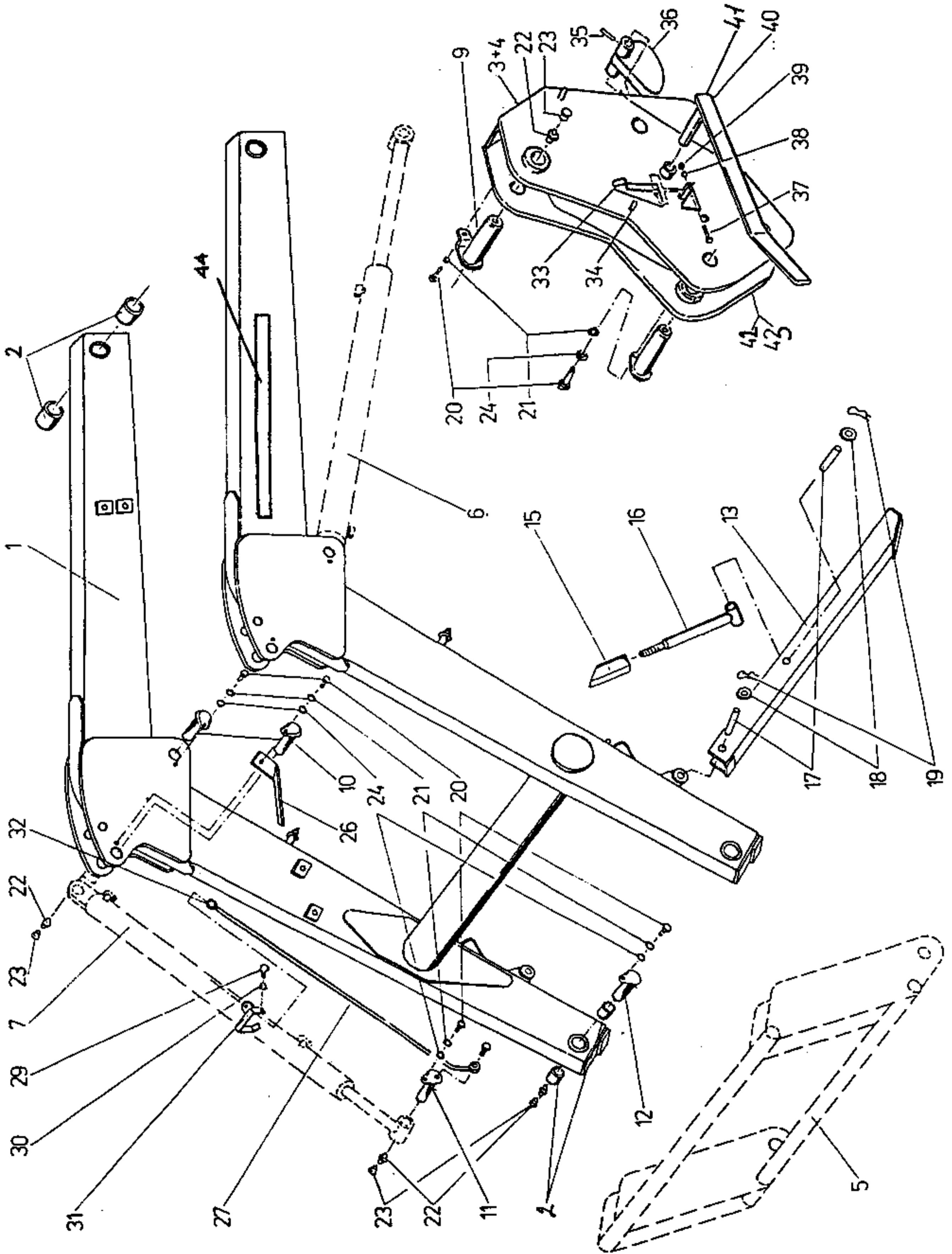
Mounting kit 900098: Fits tractor models C29, C35



Mounting kit 900099: Fits tractor models C38L, C42L, C47L



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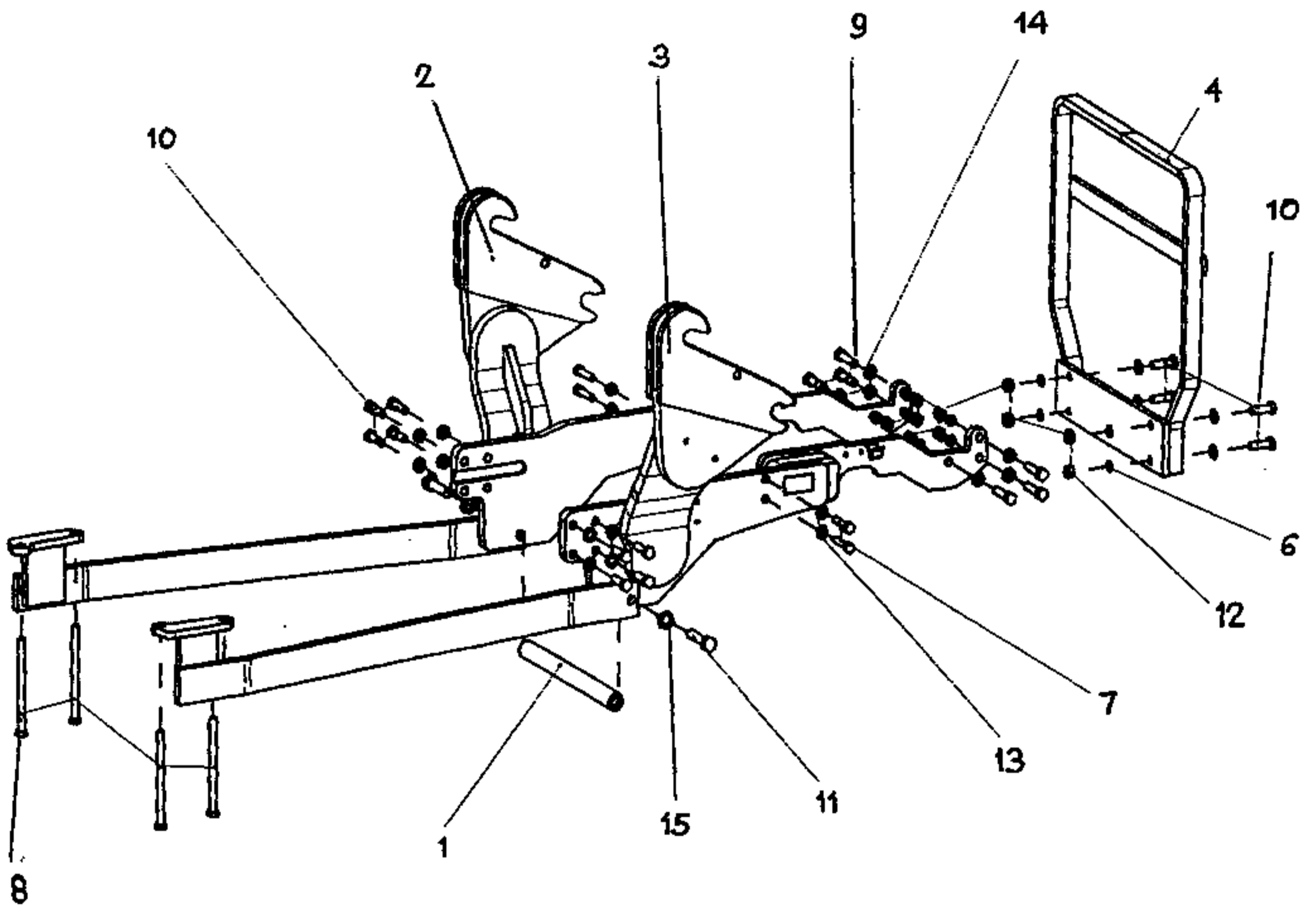


Parts Manual

SECTION: BOOM
DATE: 1/1/04
ASSEMBLY GROUP: 02

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	532 977 372 245	Boom	1	
2	324 999 910 000	Bushing 30x30	8	
3	532 974 371 875	Bracket, LH, complete assembly	1	
4	532 974 371 885	Bracket, RH, complete assembly	1	
5	532 974 371 845	Tool carrier	1	
6	532 982 923 565	Lift cylinder, for system 50 loaders	2	
6	532 982 923 675	Lift cylinder, for systyem 50HL loaders	2	
7	532 982 923 555	Bucket cylinder	2	
8	532 993 160 755	Pin	2	
9	532 993 160 715	Pin	2	
10	532 993 160 745	Pin	4	
11	532 993 160 735	Pin	1	
12	532 993 160 725	Pin	2	
13	532 977 363 745	Support	2	
14	315 027 300 000	Linch pin	2	
15	532 077 307 055	Wedge	2	
16	532 977 460 385	Strut	2	
17	532 093 102 455	Pin	4	
18	311 230 000 000	Washer 13 mm	8	
19	311 099 800 000	Cotter pin 3.2x16	8	
20	311 343 500 000	Bolt M10x20	12	
21	311 090 001 000	Washer 10 mm	12	
22	425 001 200 000	Grease fitting	12	
23	562 060 500 000	Cap	12	
24	311 224 000 000	Washer	10	
25	532 993 160 765	Pin	1	
26	532 098 400 645	Gauge	1	
27	532 985 260 135	Bucket level indicator	1	
28	309 042 600 000	Bolt M10x18	1	
29	309 044 200 000	Bolt M10x30	1	
30	311 074 010 000	Nut M10	1	
31	532 998 420 105	Clamp	1	
32	412 001 000 000	Ball	1	
33	532 074 322 325	Latch	2	
34	532 097 460 515	Spring	2	
35	311 053 500 000	Pin	4	
36	532 977 363 815	Excentric	2	
37	309 033 700 000	Bolt M6x35	2	
38	311 342 500 000	Washer 6 MM	2	
39	311 071 010 000	Nut M6	2	
40	532 974 400 375	Lever, LH	1	
41	532 974 400 385	Lever, RH	1	
42	532 974 371 855	Bracket, LH, bare	1	
43	532 974 371 865	Bracket, RH, bare	1	
44	532 087 303 685	Decal "C-system 50"	2	

Parts Manual



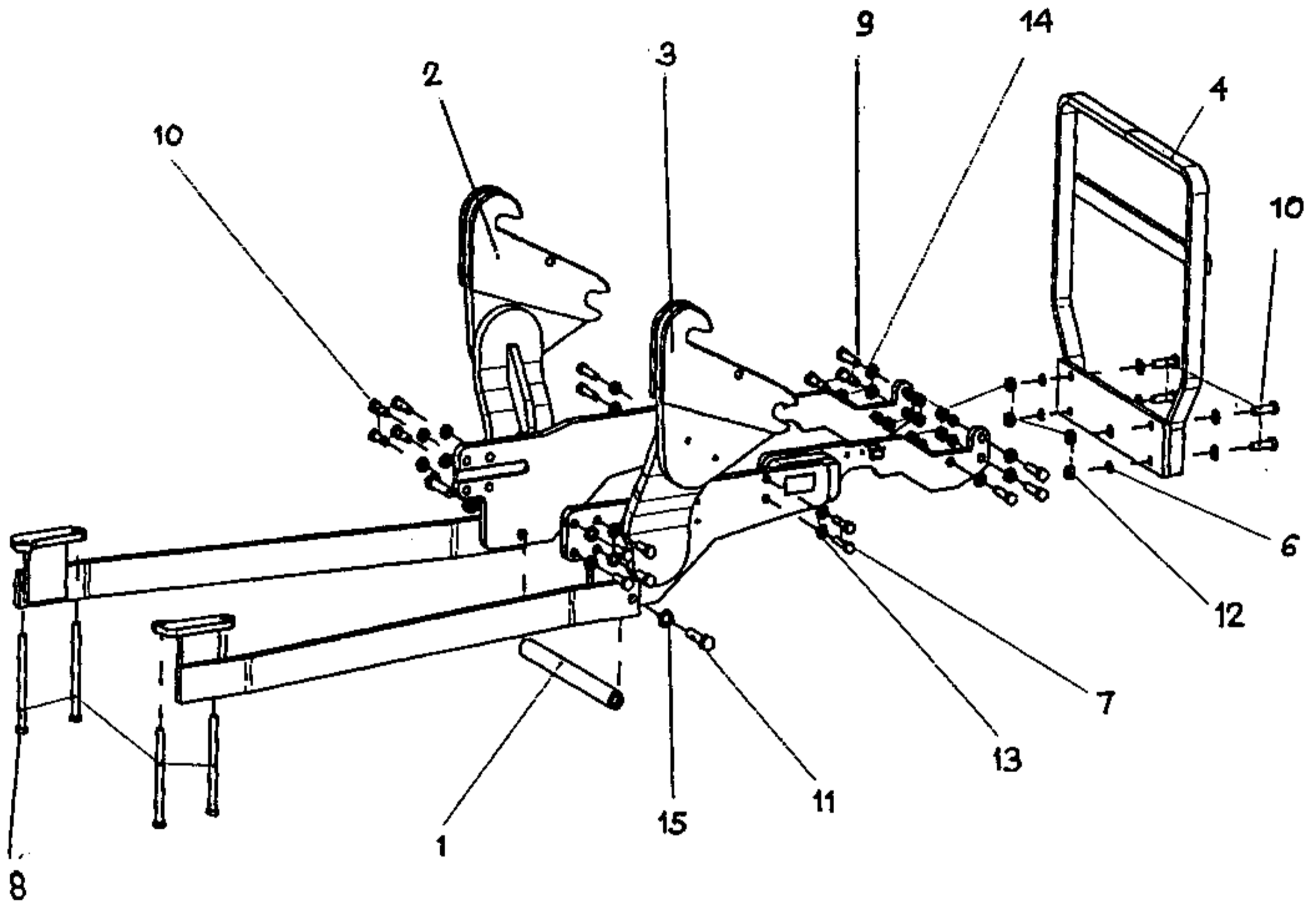
Parts Manual

SECTION: FRAMES FOR TRACTOR MODELS C29, C35

DATE: 11/1/04 ASSEMBLY GROUP: 01

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	532 093 102 615	Brace	1	
2	532 977 373 075	Bracket, LH	1	
3	532 977 373 085	Bracket, RH	1	
4	532 985 460 535	Bumper	1	
6	311 346 300 000	Lockwasher 16 MM	18	
7		Bolt M14x60	4	
8	309 023 650 000	Bolt M16x210	4	
9	309 013 000 000	Bolt M16x60	6	
10	309 802 000 000	Bolt M16x50	8	
11	001 891 000 000	Bolt M20x75	2	
12	000 565 000 000	Nut M16	10	
13	311 230 000 000	Flat washer 14 MM	4	
14	311 233 000 000	Flat washer 16 MM	10	
15	311 338 000 000	Lockwasher 20 MM	2	
			1	
	900098	Frame assy. (includes all above parts)	1	

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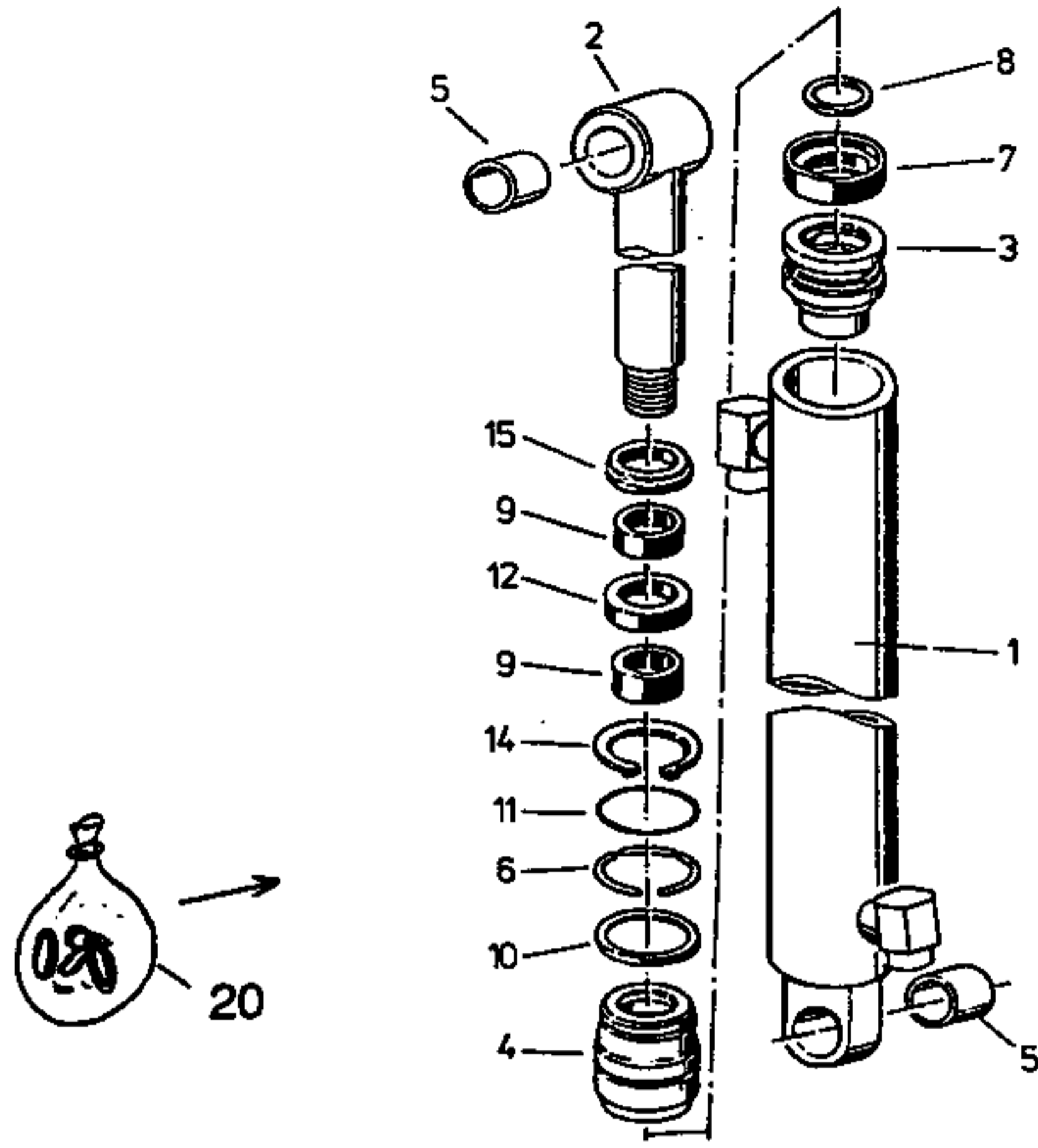
SECTION: FRAMES FOR TRACTOR MODELS C38L, DATE: 11/1/04
C42L, C47L

ASSEMBLY GROUP: 01

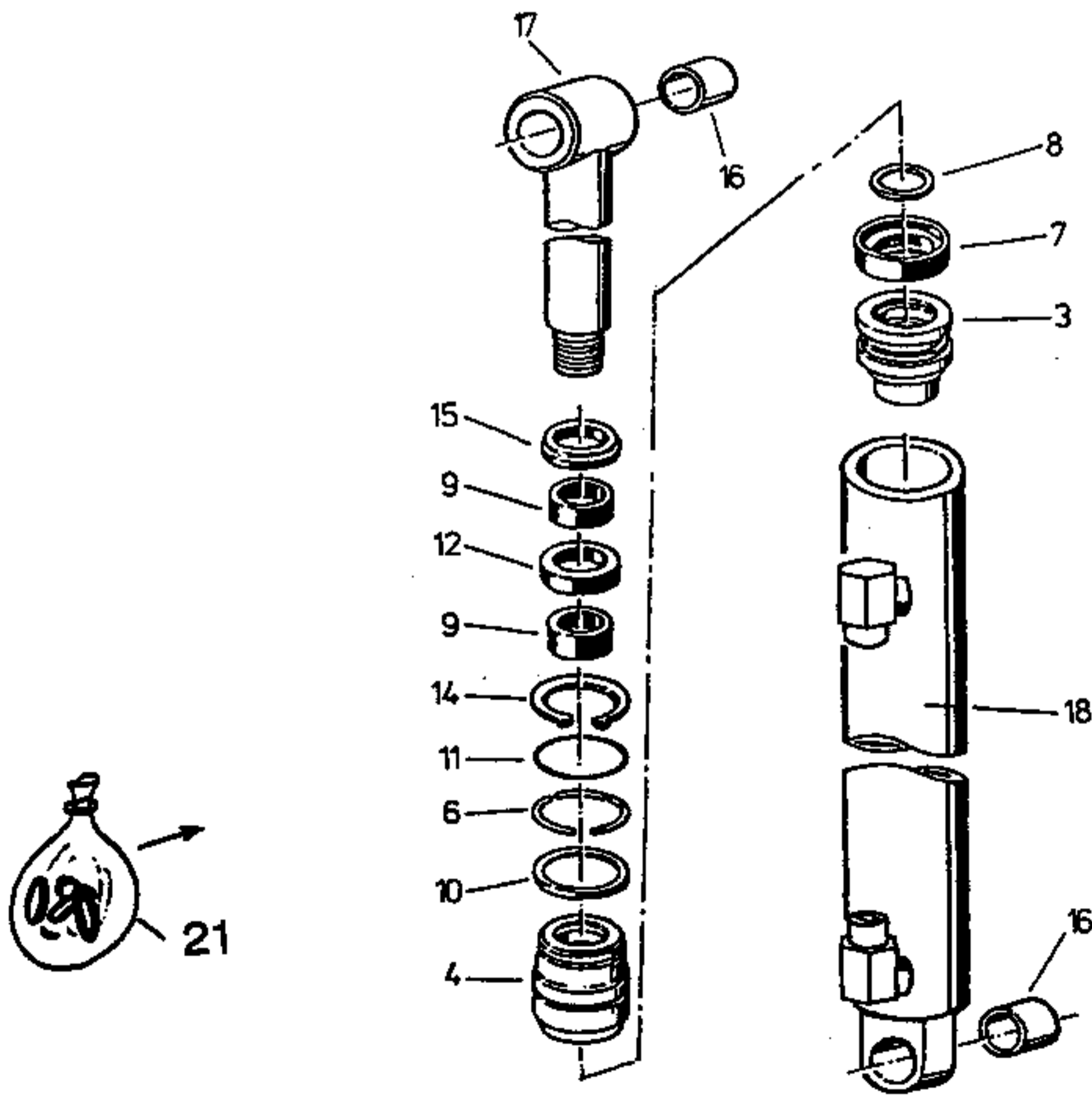
ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	532 093 102 615	Brace	1	
2	532 977 373 035	Bracket, LH	1	
3	532 977 373 045	Bracket, RH	1	
4	532 985 460 535	Bumper	1	
6	311 346 300 000	Lockwasher 16 MM	18	
7		Bolt M14x60	4	
8	309 023 650 000	Bolt M16x210	4	
9	309 013 000 000	Bolt M16x60	6	
10	309 802 000 000	Bolt M16x50	8	
11	001 891 000 000	Bolt M20x75	2	
12	000 565 000 000	Nut M16	10	
13	311 230 000 000	Flat washer 14 MM	4	
14	311 233 000 000	Flat washer 16 MM	10	
15	311 338 000 000	Lockwasher 20 MM	2	
			1	
	900099	Frame assy. (includes all above parts)	1	

Parts Manual

LIFT CYLINDER



BUCKET CYLINDER



Parts Manual

**SECTION: LIFT CYLINDER FOR LOADER MODEL
C-SYSTEM 50**

DATE: 1/1/04 ASSEMBLY GROUP: 04

See page B-10 for model 50HL.

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
	532 982 923 565	Lift cylinder assy. (50 MM I.D.)	2	
		The following quantities are per cylinder:		
1	532 982 265 785	Housing	1	
2	532 982 160 905	Piston rod	1	
3	532 082 230 665	Piston	1	
4	532 082 213 415	Cover	1	
5	324 999 903 000	Bushing 25x20 MM	2	
6	532 082 430 105	Lock wire	3	
7	273 037 800 000	Packing T19 50x40 MM	1	
8	273 083 560 000	Sealing ring, rubber, 31.5X2.65 MM	1	
9	273 096 850 000	Guide ring 32x37x9.7 MM	2	
10	273 088 600 000	Sealing ring, rubber, 42.5X3.55 MM	1	
11	273 088 500 000	Sealing ring, rubber, 44.12X2.62 MM	1	
12	273 037 300 000	Packing T20 32X42 MM	1	
14	311 135 500 000	Snap ring 46 MM	1	
15	273 039 410 000	Wiper ring 32x38.8X5 MM	1	
20	532 982 923 565A	Seal kit for lift cylinder	1	

**SECTION: BUCKET CYLINDER FOR LOADER MODEL
C-SYSTEM 50**

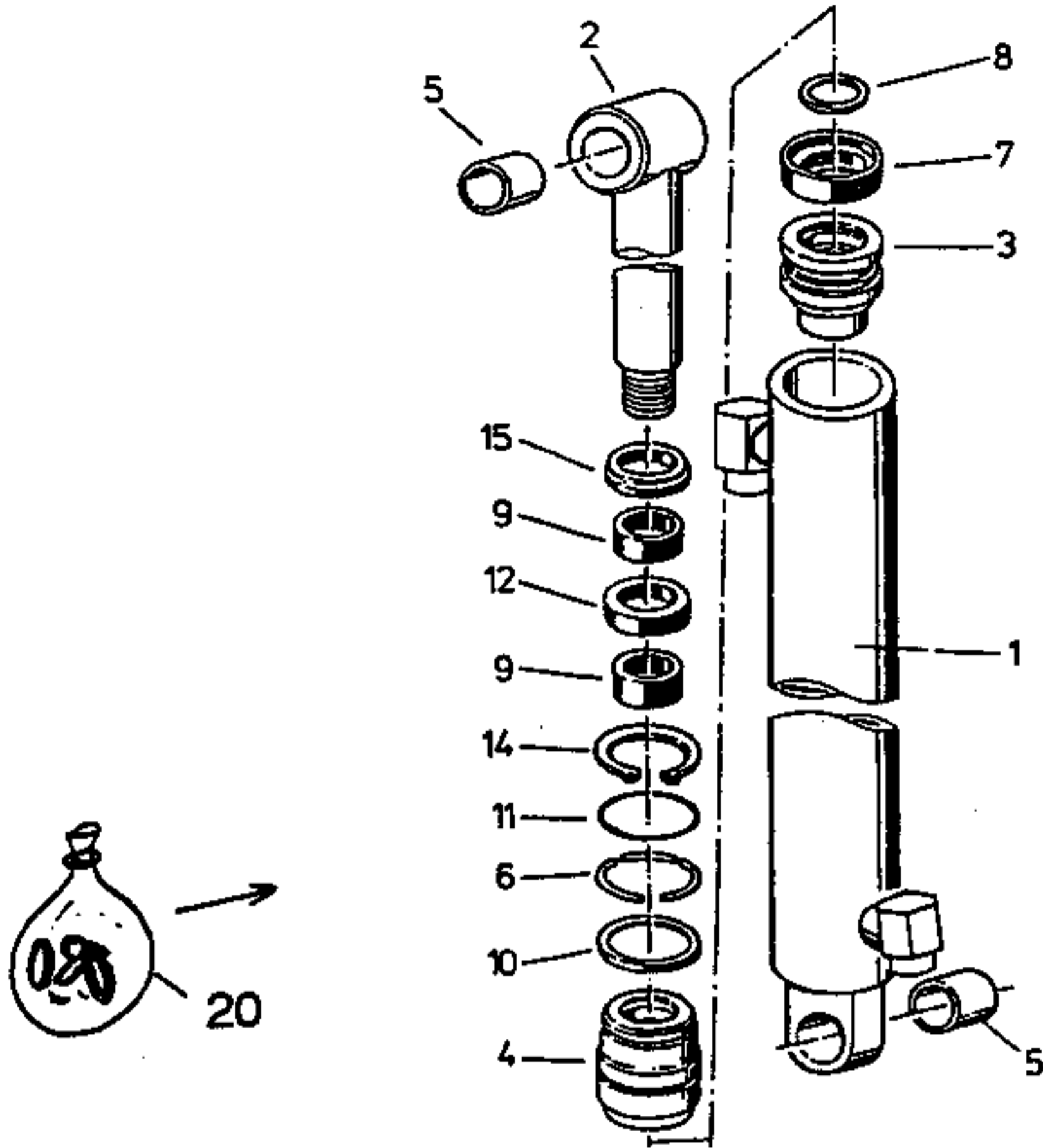
DATE: 1/1/04 ASSEMBLY GROUP: 04

See page B-10 for model 50HL.

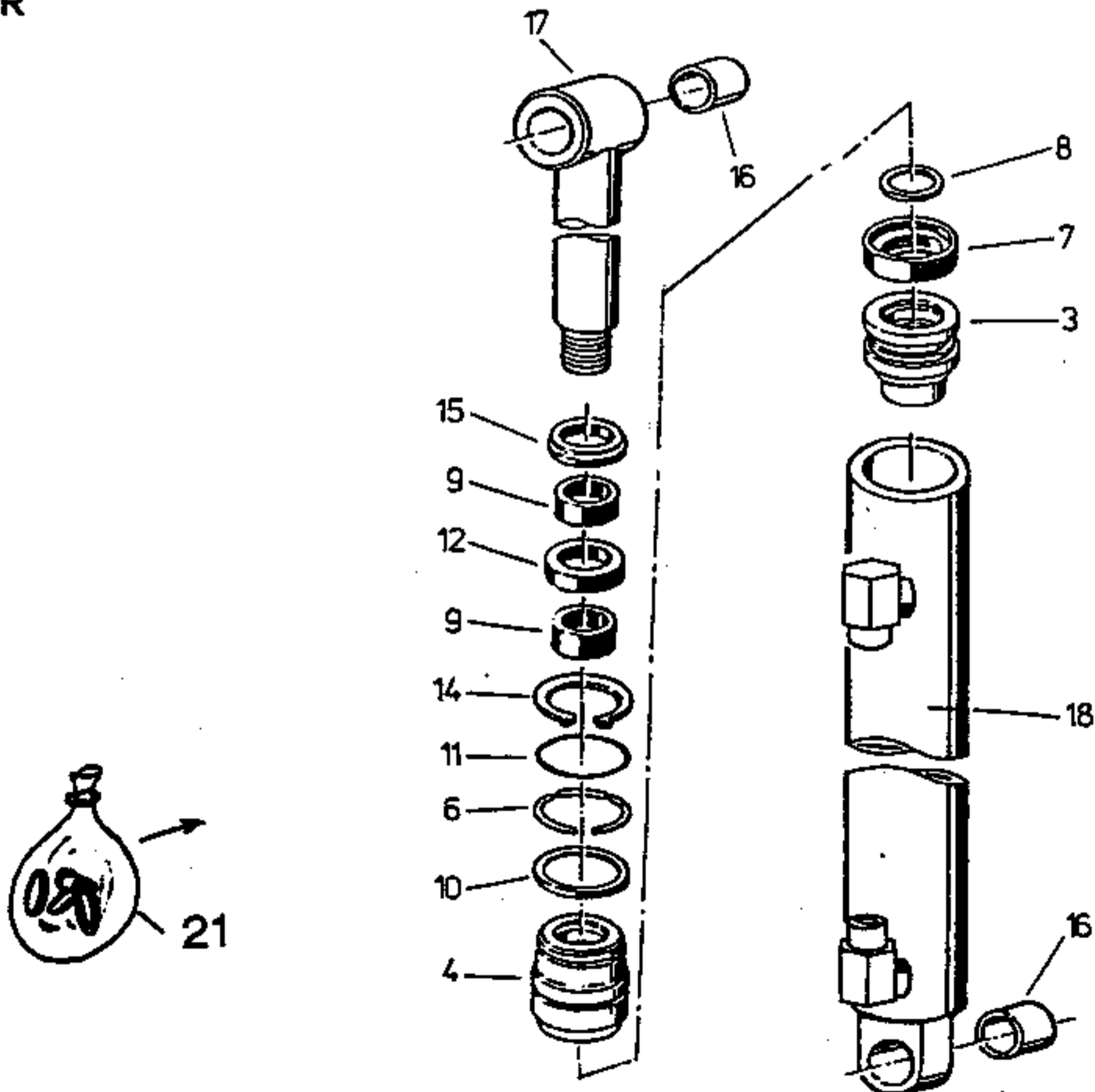
	532 982 923 555	Bucket cylinder assy. (50 MM I.D.)	2	
		The following quantities are per cylinder:		
3	532 082 230 665	Piston	1	
4	532 082 213 415	Cover	1	
6	532 082 430 105	Lock wire	3	
7	273 037 800 000	Packing T19 50x40 MM	1	
8	273 083 560 000	Sealing ring, rubber, 31.5X2.65 MM	1	
9	273 096 850 000	Guide ring 32x37x9.7 MM	2	
10	273 088 600 000	Sealing ring, rubber, 42.5X3.55 MM	1	
11	273 088 500 000	Sealing ring, rubber, 44.12X2.62 MM	1	
12	273 037 300 000	Packing T20 32X42 MM	1	
14	311 135 500 000	Snap ring 46 MM	1	
15	273 039 410 000	Wiper ring 32x38.8X5 MM	1	
16	324 999 904 000	Bushing 25x30 MM	2	
17	532 982 160 895	Piston rod	1	
18	532 982 265 755	Housing	1	
21	532 982 923 555A	Seal kit for bucket cylinder	1	

Parts Manual

LIFT CYLINDER



BUCKET CYLINDER



Parts Manual

SECTION: LIFT CYLINDER FOR LOADER MODEL

DATE: 1/1/04 ASSEMBLY GROUP: 04

C-SYSTEM 50HL

See page B-8 for model 50.

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
	532 982 923 675	Lift cylinder assy. (55 MM I.D.)	2	
		The following quantities are per cylinder:		
1		Housing	1	
2		Piston rod	1	
3	532 082 240 675	Piston	1	
4	532 082 213 975	Cover	1	
5	324 999 903 000	Bushing 25x20 MM	2	
6	532 082 430 175	Lock wire	3	
7	273 022 800 000	Packing 55x39x20.5 MM	1	
8	273 083 530 000	Sealing ring, rubber, 30x3 MM	1	
9	273 096 810 000	Guide ring 30x35x5.6 MM	2	
10	273 088 950 000	Sealing ring, rubber, 49x3 MM	2	
11	273 092 300 000	Plastic support ring	1	
12	273 011 000 000	Packing 30x38x9 MM	1	
14	311 136 000 000	Snap ring 50 MM	1	
15	273 010 500 000	Wiper ring 30x38x7 MM	1	
20	532 982 923 535A	Seal kit for lift cylinder	1	

SECTION: BUCKET CYLINDER FOR LOADER MODEL

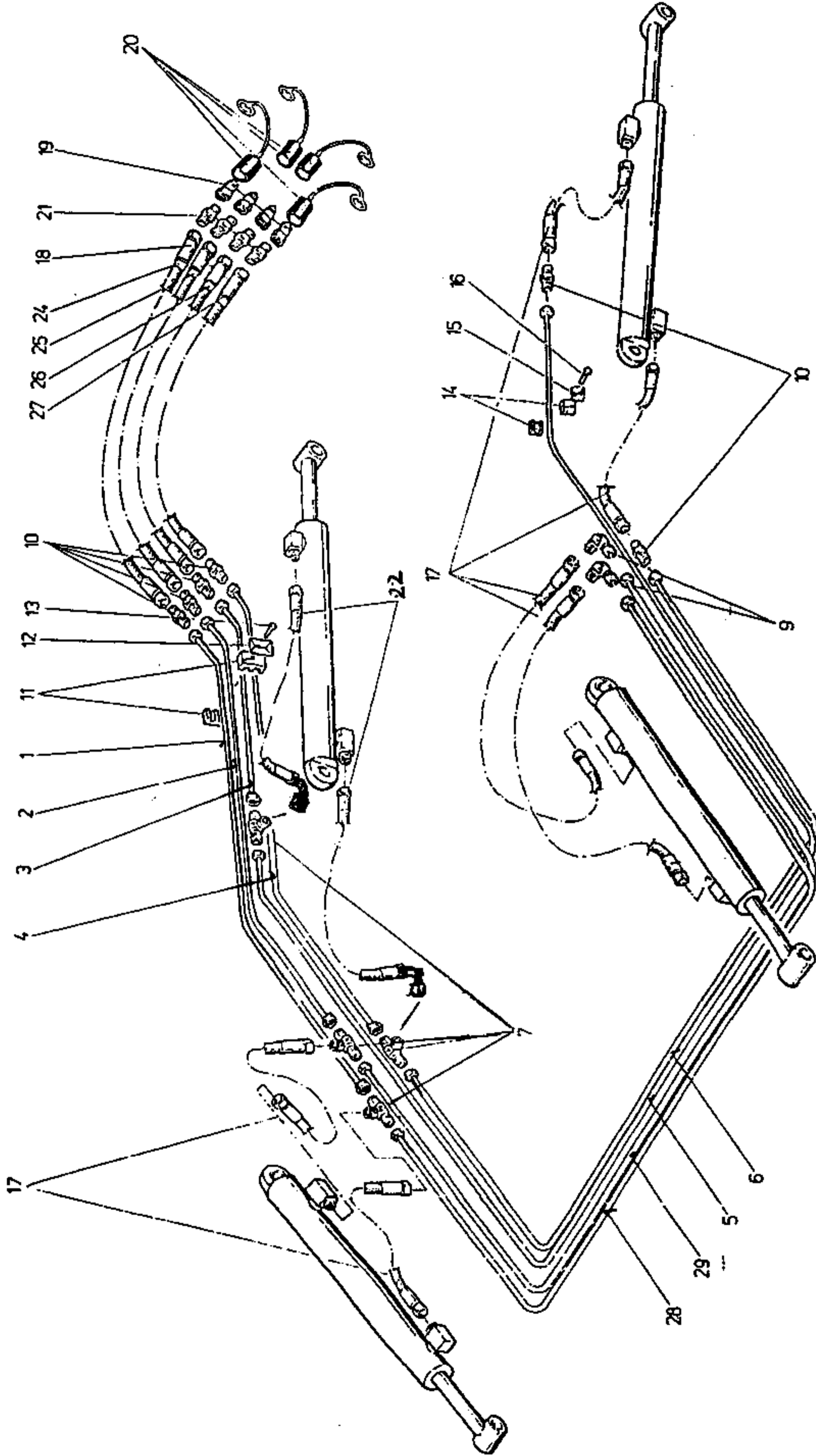
DATE: 1/1/04 ASSEMBLY GROUP: 04

C-SYSTEM 50HL

See page B-8 for model 50.

	532 982 923 555	Bucket cylinder assy. (50 MM I.D.)	2	
		The following quantities are per cylinder:		
3	532 082 230 665	Piston	1	
4	532 082 213 415	Cover	1	
6	532 082 430 105	Lock wire	3	
7	273 037 800 000	Packing T19 50x40 MM	1	
8	273 083 560 000	Sealing ring, rubber, 31.5X2.65 MM	1	
9	273 096 850 000	Guide ring 32x37x9.7 MM	2	
10	273 088 600 000	Sealing ring, rubber, 42.5X3.55 MM	1	
11	273 088 500 000	Sealing ring, rubber, 44.12X2.62 MM	1	
12	273 037 300 000	Packing T20 32X42 MM	1	
14	311 135 500 000	Snap ring 46 MM	1	
15	273 039 410 000	Wiper ring 32x38.8X5 MM	1	
16	324 999 904 000	Bushing 25x30 MM	2	
17	532 982 160 895	Piston rod	1	
18	532 982 265 755	Housing	1	
21	532 982 923 555A	Seal kit for bucket cylinder	1	

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Parts Manual

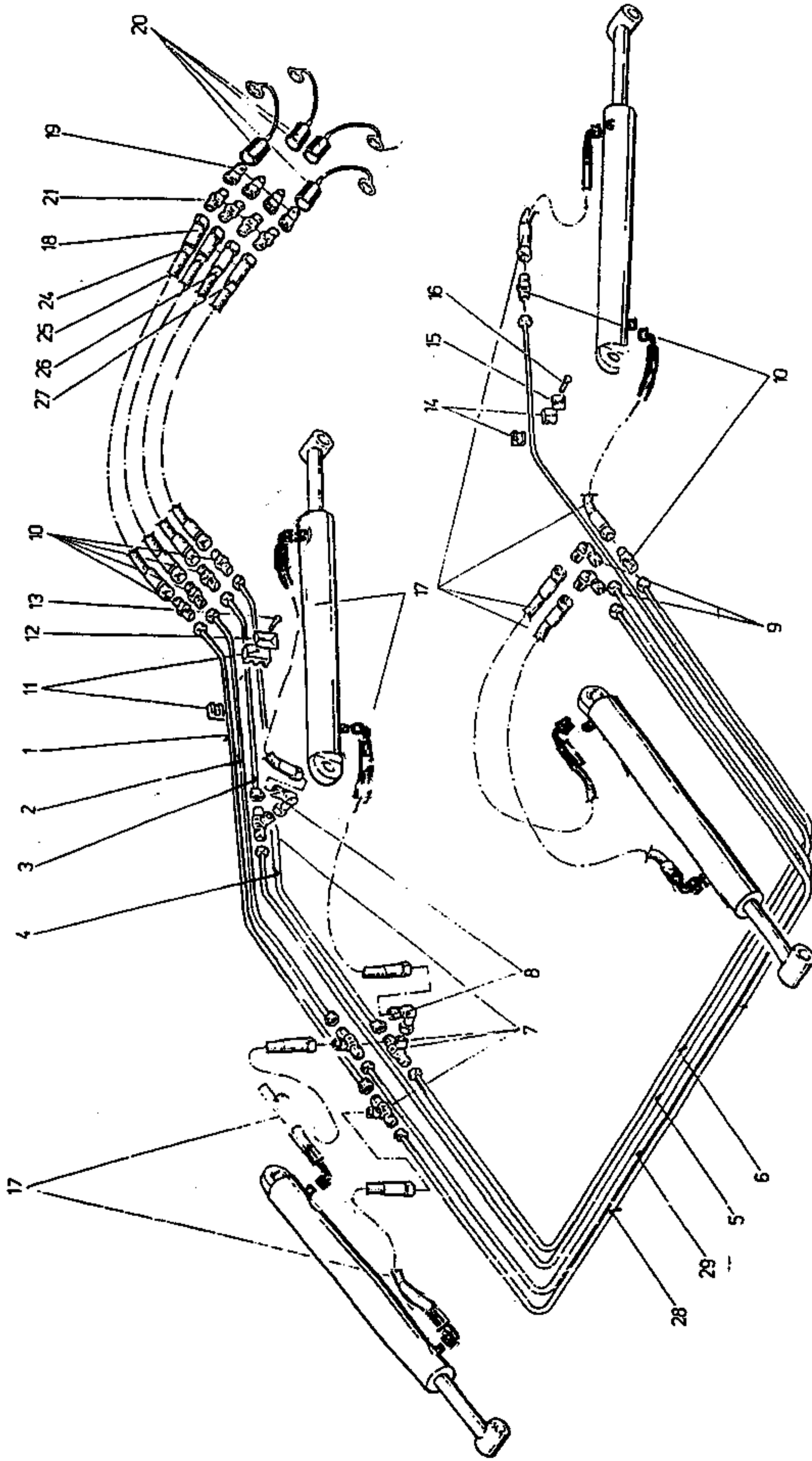
SECTION: HYDRAULIC LINES

DATE: 7/1/04 ASSEMBLY GROUP: 05

USED ON: SYSTEM 50 WITH SERIAL NUMBER UP TO 2100

SYSTEM 50HL WITH C50 BUCKET MOUNT - ALL S/N

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	532 919 431 655	Line	1	
2	532 919 431 665	Line	1	
3	532 919 200 015	Line	1	
4	532 919 431 675	Line	1	
5	532 919 454 515	Line	1	
6	532 919 454 485	Line	1	
7	319 121 100 000	T-connector	4	
8	319 135 100 000	Elbow	2	
9	319 134 910 000	Elbow	2	
10	319 122 100 000	Connector	6	
11	319 123 000 000	Clamp, for two lines (pair of plastic pieces)	10	
12	319 127 000 000	Washer	10	
13	309 033 600 000	Bolt M6x35	10	
14	319 124 000 000	Clamp, for one line (pair of plastic pieces)	1	
15	319 125 000 000	Washer	1	
16	309 033 400 000	Bolt M6x30	1	
17	336 800 010 000	Hose, 3/8", 16 in. long, both ends straight	6	
18	336 800 080 000	Hose, 3/8", 25 in. long	4	
19	336 003 130 000	Quick coupler, male	4	
20	336 006 703 000	Cap	4	
21	319 120 120 000	Connector	4	
22	336 800 010 000A	Hose, 3/8", 16 in. long, one end straight, one end elbow	2	
24	336 006 710 000	Color sleeve, red	1	
25	336 006 730 000	Color sleeve, yellow	1	
26	336 006 740 000	Color sleeve, green	1	
27	336 006 720 000	Color sleeve, blue	1	
28	532 919 454 495	Line	1	
29	532 919 454 505	Line	1	



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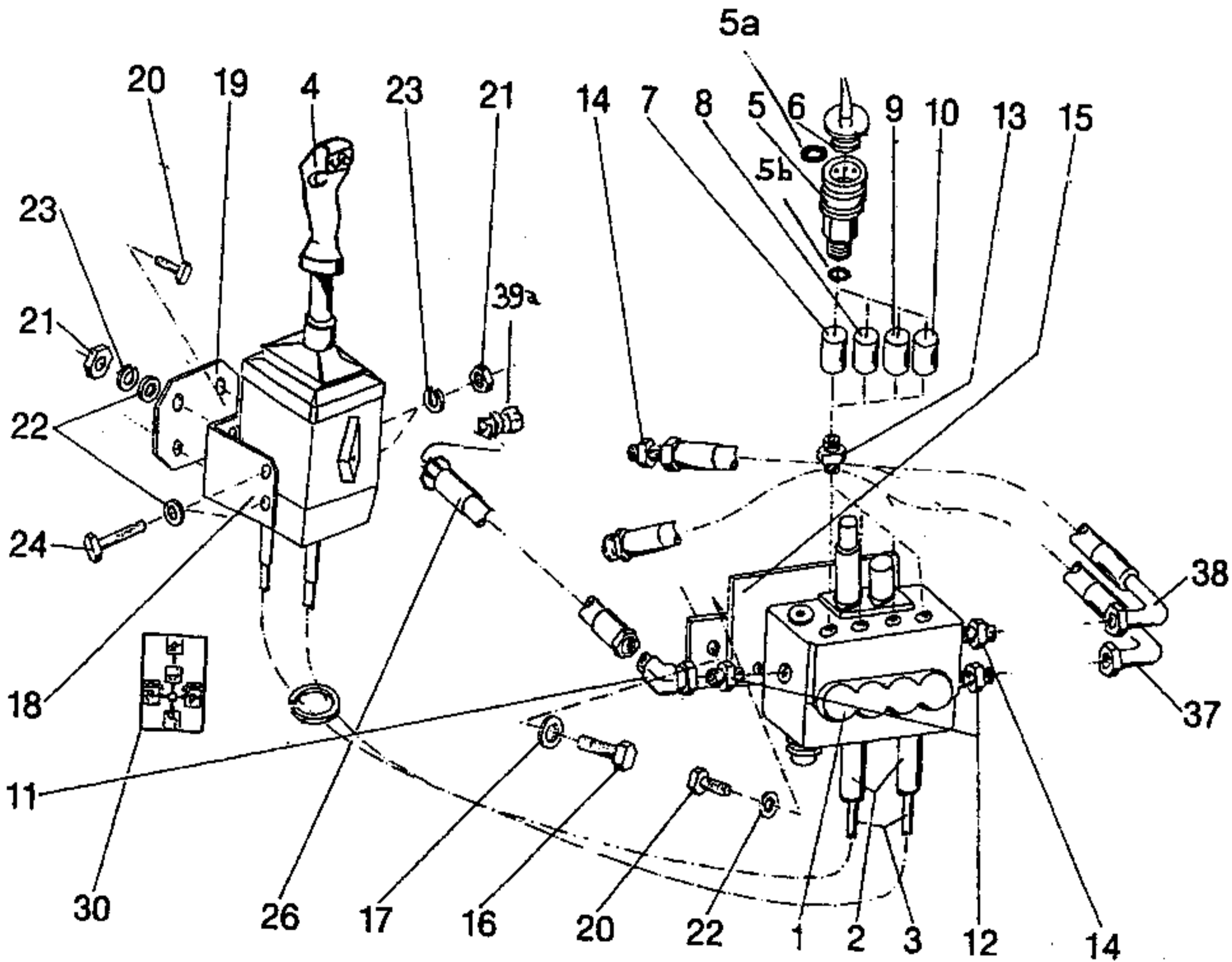
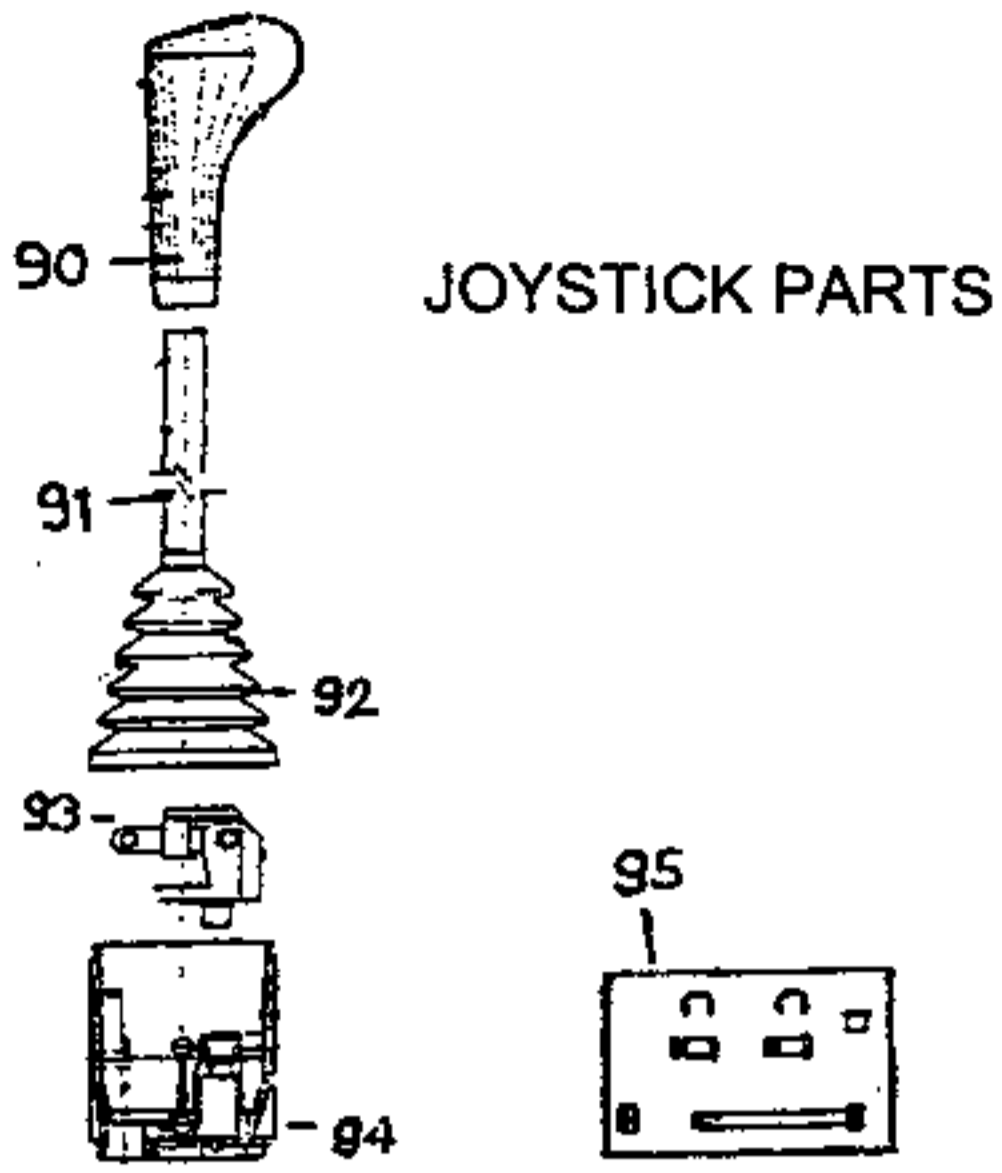
SECTION: HYDRAULIC LINES

DATE: 7/1/04 ASSEMBLY GROUP: 05

USED ON: SYSTEM 50 FROM SERIAL NUMBER 2100

SYSTEM 50HL WITH SKID-STEER TYPE BUCKET MOUNT - ALL S/N

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	532 919 431 655	Line	1	
2	532 919 431 665	Line	1	
3	532 919 200 015	Line	1	
4	532 919 431 675	Line	1	
5	532 919 454 515	Line	1	
6	532 919 454 595	Line	1	
7	319 121 100 000	T-connector	4	
8	319 135 100 000	Elbow	2	
9	319 134 910 000	Elbow	2	
10	319 122 100 000	Connector	6	
11	319 123 000 000	Clamp, for two lines (pair of plastic pieces)	10	
12	319 127 000 000	Washer	10	
13	309 033 600 000	Bolt M6x35	10	
14	319 124 000 000	Clamp, for one line (pair of plastic pieces)	1	
15	319 125 000 000	Washer	1	
16	309 033 400 000	Bolt M6x30	1	
17	336 800 010 000A	Hose, 3/8", 16 in. long, one end straight, one elbow	8	
18	336 800 080 000	Hose, 3/8", 25 in. long	4	
19	336 003 130 000	Quick coupler, male	4	
20	336 006 703 000	Cap	4	
21	319 120 120 000	Connector	4	
24	336 006 710 000	Color sleeve, red	1	
25	336 006 730 000	Color sleeve, yellow	1	
26	336 006 740 000	Color sleeve, green	1	
27	336 006 720 000	Color sleeve, blue	1	
28	532 919 454 495	Line	1	
29	532 919 454 505	Line	1	



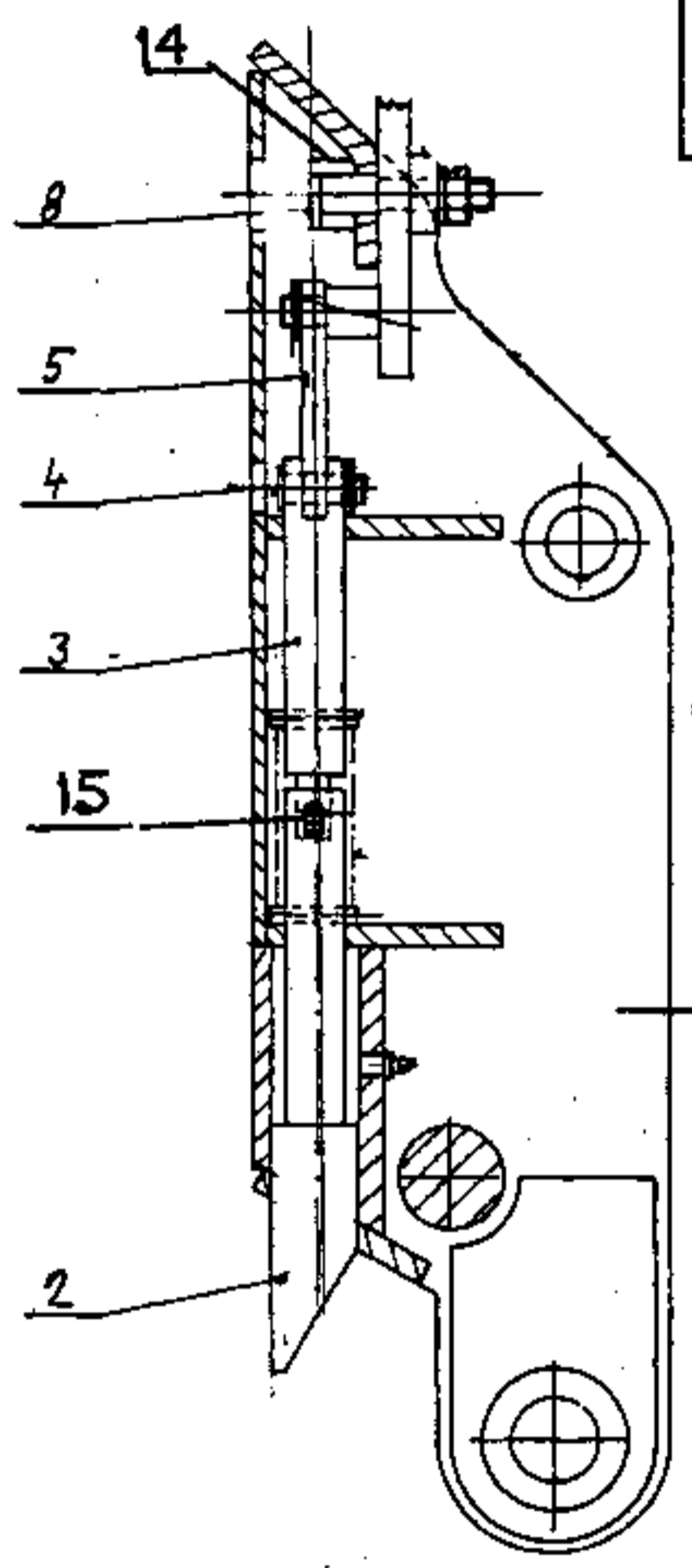
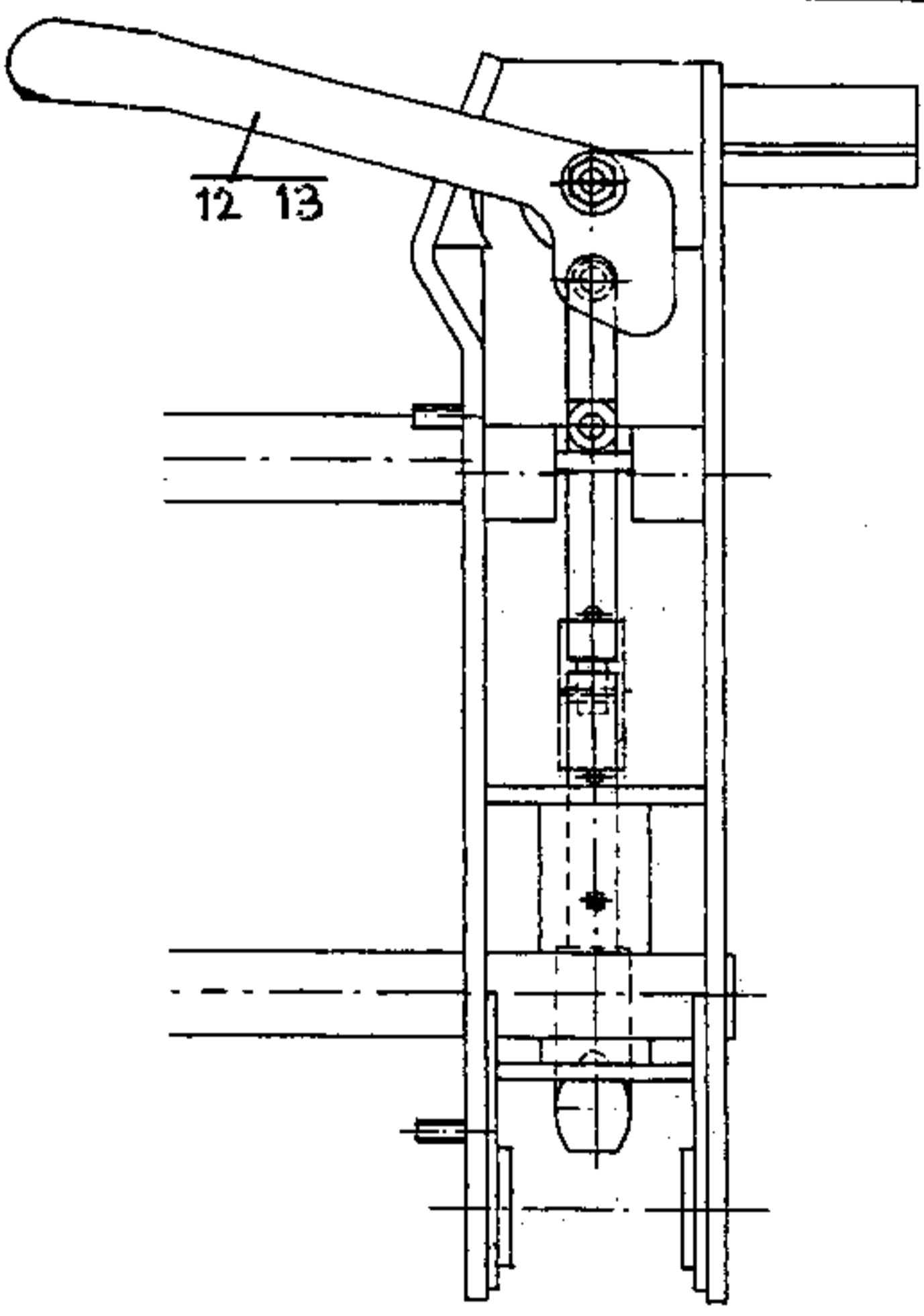
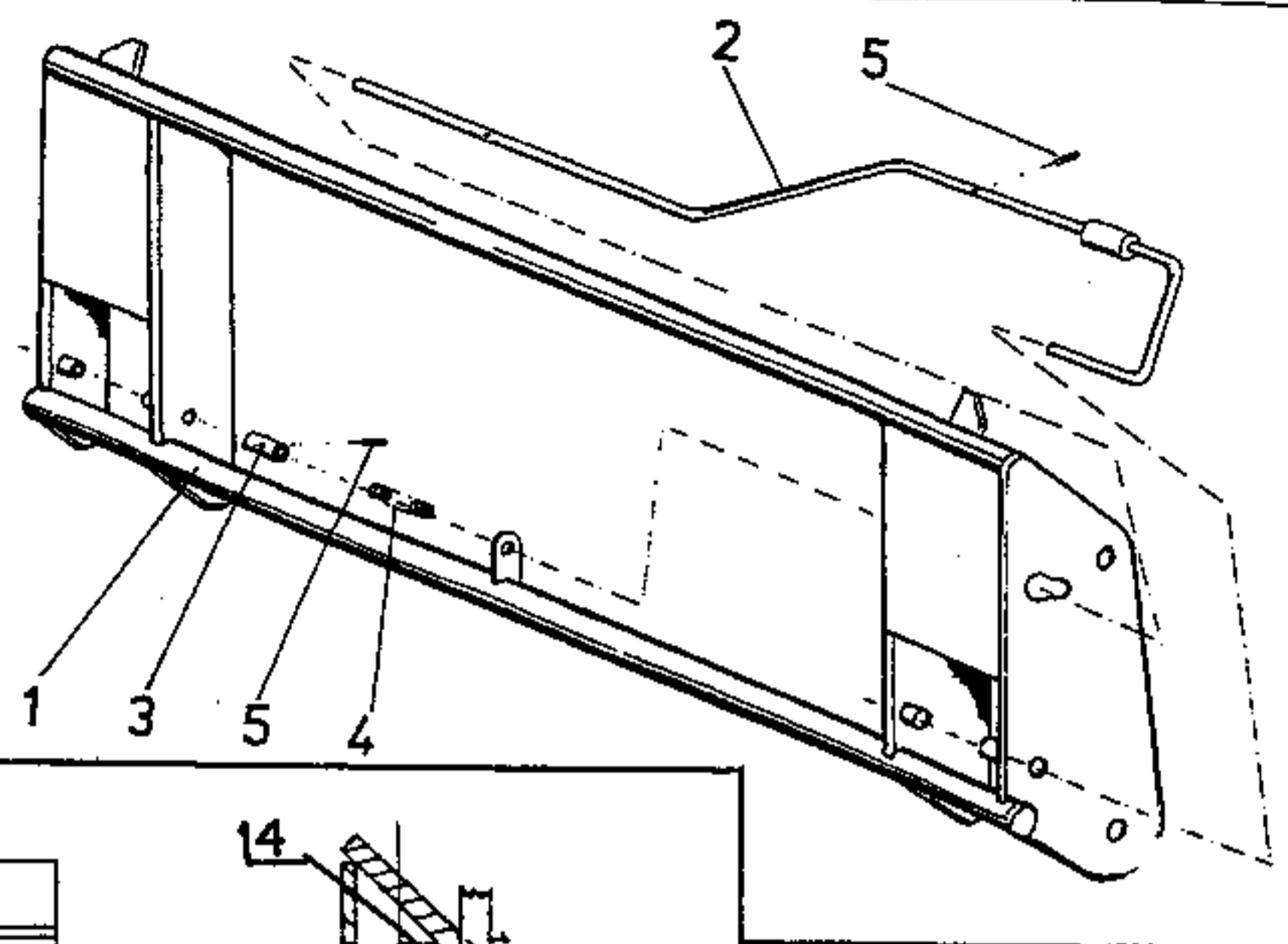
Parts Manual

SECTION: HYDRAULIC KIT
DATE: 1/1/04
ASSEMBLY GROUP: 06

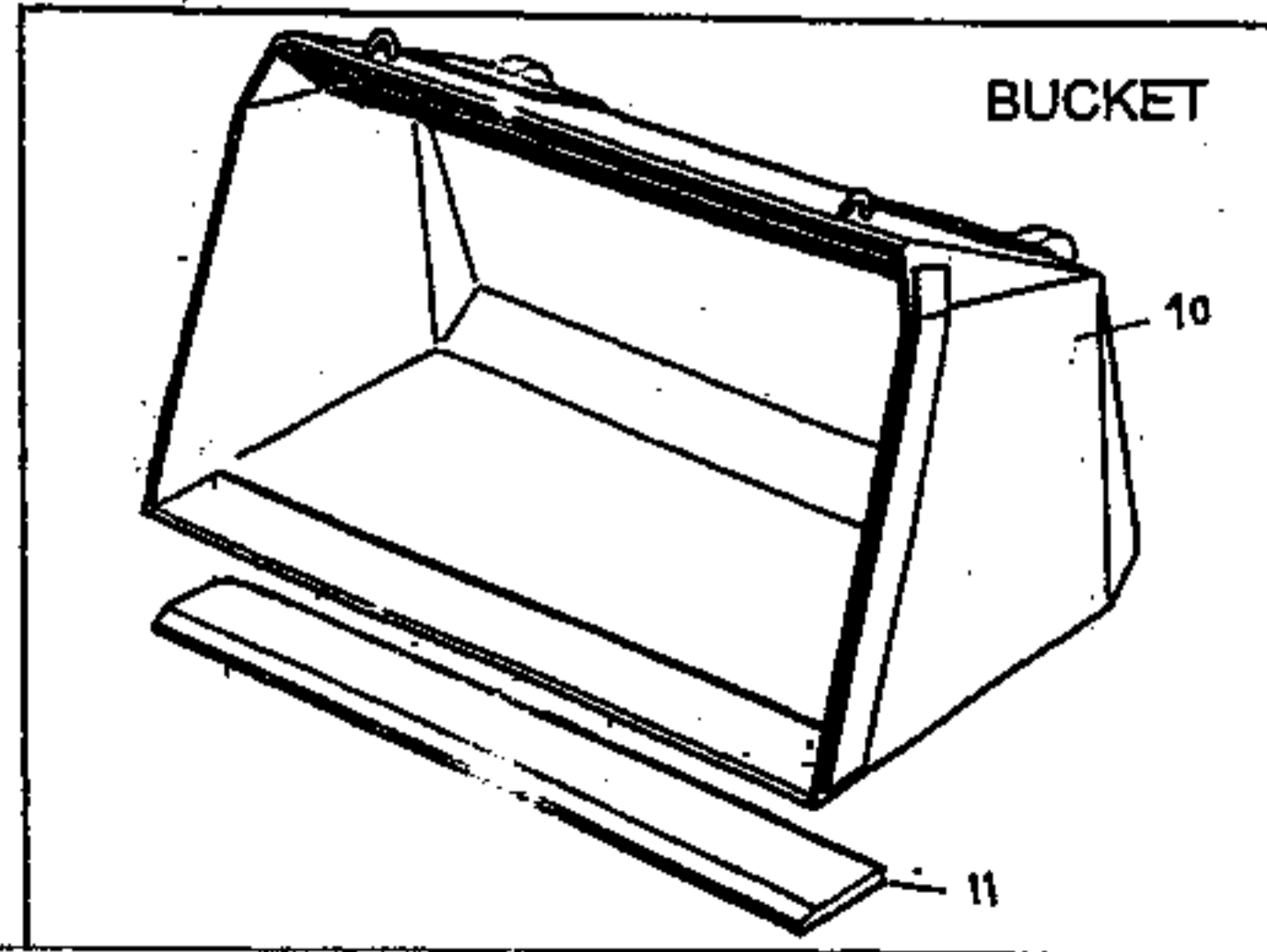
ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	336 013 850 000	Valve	1	
1a	336 013 850 000A	Valve seal kit	1	
2	336 018 620 000	Connector	2	
3	336 019 076 000	Cable	2	
4	336 019 009 400	Joystick	1	
		<i>Note: Replacement joystick may have different handle from the original, but it is interchangeable.</i>		
5	336 003 120 000	Quick coupler, female	4	
5a	97 4251	Sealing ring, rubber, for quick coupler	4	
5b	319 133	Sealing ring, plastic, 16x19 MM	4	
6	336 006 702 000	Dust cap	4	
7	336 006 710 000	Color sleeve, red	1	
8	336 006 730 000	Color sleeve, yellow	1	
9	336 006 740 000	Color sleeve, green	1	
10	336 006 720 000	Color sleeve, blue	1	
		<i>Note: All hoses to quick couplers are the same, only color marking differs.</i>		
11	319 135 100 000	Elbow	1	
12	319 120 101 000	Connector	2	
13	319 120 541 500	Connector	4	
14	319 120 120 000	Connector	2	
16	532 985 300 265A	Valve bracket	1	
16	309 046 000 000	Bolt M12x25	2	
17	311 230 000 000	Washer 13 MM	2	
18	532 085 410 785	Joystick bracket	1	
19	532 085 302 075	Back plate	1	
20	309 387 000 000	Bolt M8x20	5	
21	311 073 010 000	Nut M8	4	
22	311 229 000 000	Flat washer 8 mm	7	
23	311 089 500 000	Lock washer 8 MM	4	
24	309 010 800 000	Bolt M8x90	2	
26	336 800 600 000	Hose, to inlet port, 55" long	1	
30	532 087 303 275	Operating symbol	1	
37	336 800 550 000	Hose, 57" long, to power-beyond port	1	
38	336 613 335 000	Hose, 81" long, to outlet port	1	
39a	944795	Adapter (BSP/JIC), to connect pressure hose to pressure line from pump	1	
40	319 135 000 000	Elbow	1	
90	IC-3096	Handle	1	
		<i>Note: Replacement handle may be different from the original, but it is interchangeable.</i>		
91	IC-3065	Stick	1	
92	IC-3062	Dust boot	1	
93	IK-631040	Mechanism	1	
94	IC-3057/B	Base (aluminum)	1	
95	IK-631023	Set of connecting pins	1	

Parts Manual

TOOL CARRIER C-SYSTEM 50 TYPE



TOOL CARRIER:
SKID-STEER TYPE



BUCKET

Parts Manual

SECTION: TOOL CARRIER (ZETOR SYSTEM 50 TYPE)

DATE: 1/31/05

ASSEMBLY GROUP: 03

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	532 974 371 835	Frame	1	
2	532 974 361 705	Bar	1	
3	532 074 202 715	Spacer	1	
4	532 097 460 525	Spring	1	
5	532 074 100 715	Roll pin 6x40	2	

SECTION: TOOL CARRIER (SKID-STEER TYPE)

DATE: 1/1/04

ASSEMBLY GROUP: 03

2	532 074 100 762	Pin	2	
3	532 074 100 772	Pin	2	
4	532 093 111 262	Pin	2	
5	532 074 322 862	Tie rod	2	
8	532 093 111 272	Pin	2	
12	97440039	Lever, LH	1	
13	97440040	Lever, RH	1	
14	09746053	Spring	2	
15	09746045	Spring	2	
16	97437228	Weldment	1	

SECTION: BUCKET

DATE: 1/1/04

ASSEMBLY GROUP: 03

10	532 974 920 735	Bucket, 72", for Zetor 50 tool carrier	1	
10	532 974 921 010	Bucket, 72", for skid-steer tool carrier	1	
10	532 974 920 755	Bucket, 67", for Zetor 50 tool carrier	1	
10	532 974 921 005	Bucket, 67", for skid-steer tool carrier	1	
11	532 074 307 075	Cutting edge, weld-on, for 67" bucket	1	
11	532 074 306 935	Cutting edge, weld-on, for 72" bucket	1	

Parts Manual

SECTION: TOOL CARRIER (C-SYSTEM 50 TYPE)

DATE: 1/1/04

ASSEMBLY GROUP: 03

ITEM	PART NUMBER	DESCRIPTION	QUANTITY	NOTES
1	532 974 371 835	Frame	1	
2	532 974 361 705	Bar	1	
3	532 074 202 715	Spacer	1	
4	532 097 460 525	Spring	1	
5	532 074 100 715	Roll pin 6x40	2	

SECTION: TOOL CARRIER (SKID-STEER TYPE)

DATE: 1/1/04

ASSEMBLY GROUP: 03

2	532 074 100 762	Pin	2	
3	532 074 100 772	Pin	2	
4	532 093 111 262	Pin	2	
5	532 074 322 862	Tie rod	2	
8	532 093 111 272	Pin	2	

SECTION: BUCKET

DATE: 1/1/04

ASSEMBLY GROUP: 03

10	532 974 920 735	Bucket, 72", for C-system 50 tool carrier	1	
10	532 974 921 010	Bucket, 72", for skid-steer tool carrier	1	
10	532 974 920 755	Bucket, 67", for C-system 50 tool carrier	1	
10	532 974 921 005	Bucket, 67", for skid-steer tool carrier	1	
11	532 074 307 075	Cutting edge, weld-on, for 67" bucket	1	
11	532 074 306 935	Cutting edge, weld-on, for 72" bucket	1	

INDEX BY PART NUMBER & PAGE

USE THIS INDEX TO FIND THE PAGE NUMBER ON WHICH THE PARTICULAR PART IS SHOWN.

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001 891 000 000	B-4	11	311 230 000 000	B-14	17	532 074 100 715	B-16	5
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273 010 500 000	B-10	15	311 230 000 000	B-4	13	532 074 100 772	B-16	3
273 011 000 000	B-10	12	311 230 000 000	B-6	13	532 074 202 715	B-16	3
273 022 800 000	B-10	7	311 233 000 000	B-4	14	532 074 306 935	B-16	11
273 037 300 000	B-10	12	311 233 000 000	B-6	14	532 074 307 075	B-16	11
273 037 300 000	B-8	12	311 338 000 000	B-4	15	532 074 322 325	B-2	33
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273 037 800 000	B-10	7	311 342 500 000	B-2	38	532 077 307 055	B-2	15
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273 088 500 000	B-8	11	319 123 000 000	B-12	11	532 082 430 105	B-8	6
273 088 500 000	B-8	11	319 124 000 000	B-12	14	532 082 430 175	B-10	6
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273 088 600 000	B-8	10	319 127 000 000	B-12	12	532 085 410 785	B-14	18
273 088 600 000	B-8	10	319 133	B-14	5b	532 087 303 275	B-14	30
273 088 950 000	B-10	10	319 134 910 000	B-12	9	532 093 102 455	B-2	17
273 092 300 000	B-10	11	319 135 000 000	B-14	40	532 093 102 615	B-4	1
273 096 810 000	B-10	9	319 135 100 000	B-12	8	532 093 102 615	B-6	1
273 096 850 000	B-10	9	319 135 100 000	B-14	11	532 093 111 262	B-16	4
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309 046 000 000	B-14	16	336 006 720 000	B-14	10	532 974 361 705	B-16	2
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311 099 800 000	B-2	19	336 613 335 000	B-14	38	532 974 920 755	B-16	10
311 135 500 000	B-10	14	336 800 010 000	B-12	17	532 974 921 005	B-16	10
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