Tillage | Haulage | Landscaping | Seeding & Plantation

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Solutions...

18-11-2020

FIELDKING

Mini Round Baler

Beri Udyog Pvt. Ltd.

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➤ Operator Manual ➤Part Catalogue ➤Service Manual

CONGRATULATIONS!

You have invested in one of the best implements of its type in the market today.

The care you give your “FIELDKING” implement will greatly determine your satisfaction with its performance and its service life. A careful study of this manual will give you a thorough understanding of your new implement before operating.

If your manual is lost or destroyed, “FIELDKING” will be glad to provide you a new copy. Visit to nearest dealership & get a copy. Most of our manuals can also be downloaded from our website at www.fieldking.com.

As an authorized “FIELDKING” dealer, we stock genuine “FIELDKING” parts which are manufactured with the same precision and skill as our original equipment. Our trained service persons are well informed on methods required to service “FIELDKING” equipments and are ready to help you.

Should you require additional information or assistance, please contact us.

YOUR AUTHORIZED

FIELDKING DEALER

BECAUSE “FIELDKING” MAINTAINS AN ONGOING PROGRAMME OF PRODUCT IMPROVEMENT, WE RESERVE THE RIGHT TO MAKE IMPROVEMENTS IN DESIGN OR CHANGE IN SPECIFICATION WITHOUT INCURRING ANY OBLIGATION TO INSTALL THEM ON UNITS PREVIOUSLY SOLD. BECAUSE OF THE POSSIBILITY THAT SOME PHOTOGRAPHS IN THIS MANUAL WERE TAKEN OF PROTOTYPE MODELS, PRODUCTION MODELS MAY VARY IN SOME DETAIL. IN ADDITION, SOME PHOTOGRAPHS MAY SHOW SHIELDS REMOVED FOR THE PURPOSE OF CLARITY. NEVER OPERATE THIS IMPLEMENT WITHOUT ALL SHIELDS IN PLACE.

TO THE PURCHASER

This manual contains valuable information about your new “FIELDKING” Mini Round Baler. It has been carefully prepared to give you helpful suggestions for operating, adjusting, servicing and ordering spare parts.

Keep this manual in a convenient place for quick and easy reference. Study it carefully. You have purchased a dependable and sturdy Turbo Mini Round Baler but only by proper care and operation you can expect to receive the service and long life designed and built into it.

Sometime in the future your Turbo Mini Round Baler may need new parts to replace which are worn out or broken. If so, go to your dealer and provide him equipment’s detail like model and part number.

CUSTOMER INFORMATION

Name _____

Purchased From _____

Date of Purchase _____

Model No. _____

Serial No. _____

PURCHASER / OPERATOR’S RESPONSIBILITY

1. Read and understand the information contained in this manual.

2. Operate, lubricate, assemble and maintain the equipment in accordance with all instructions and safety procedures in this manual.

3. Inspect the equipment and replace or repair any parts that are damaged or worn out which under continued operation would cause damage, wear to other parts, or cause a safety hazard.

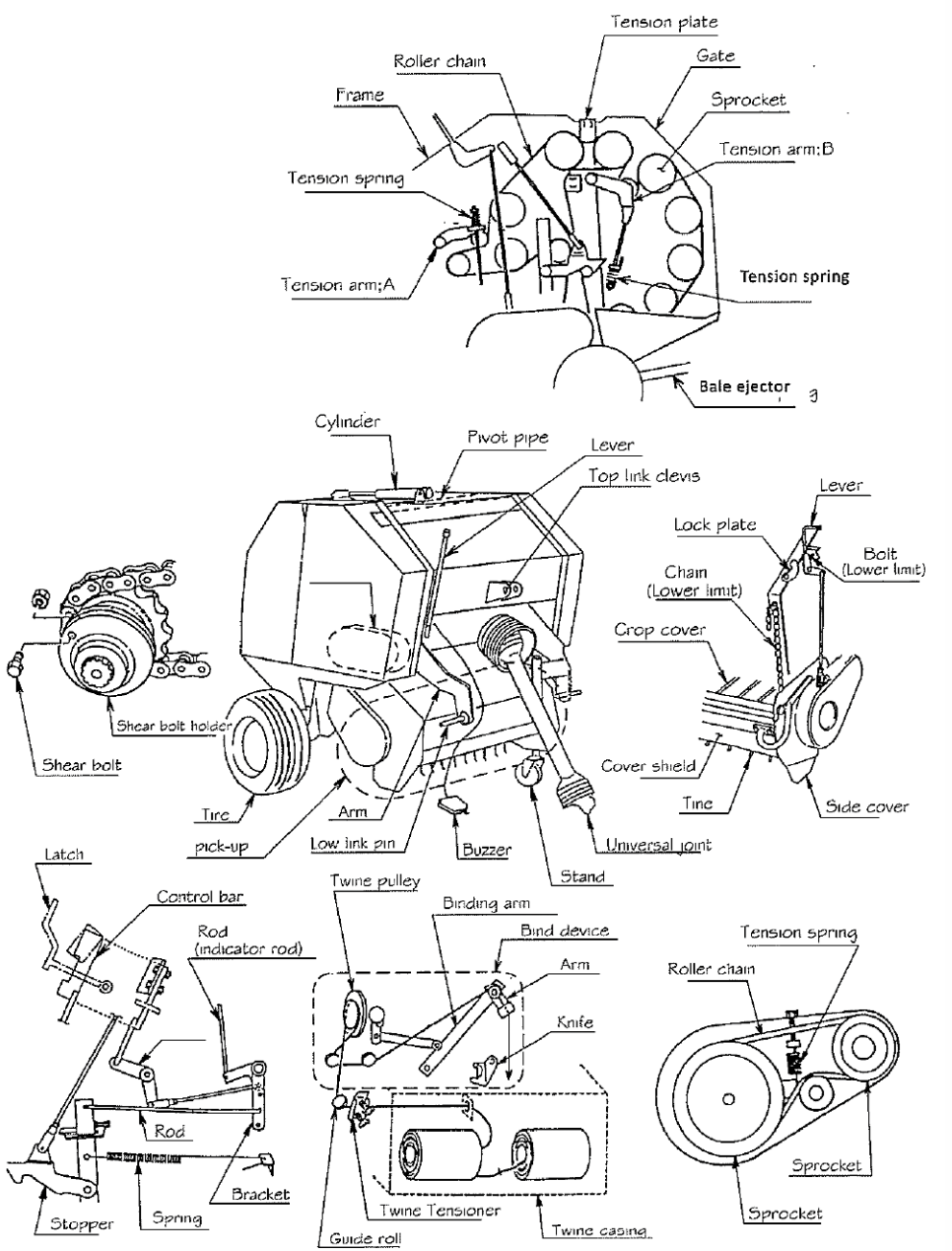
4. Return the equipment or parts to the authorized “FIELDKING” dealer, from where it was purchased, for service or replacement of defective parts that are covered by warranty. (The “FIELDKING” Factory may inspect equipment or parts before warranty claims are honored.)

5. All costs incurred by the dealer for traveling to or transporting the equipment for warranty inspection and claims will be borne by the customer.

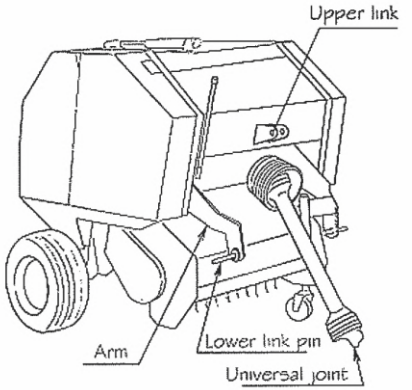
INDEX

1. ATTACHING TO A TRACTOR

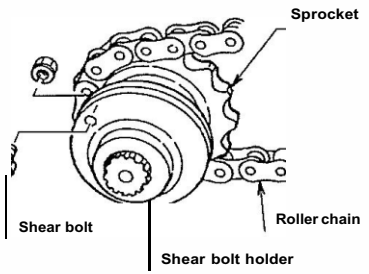
1). Name of parts and its function



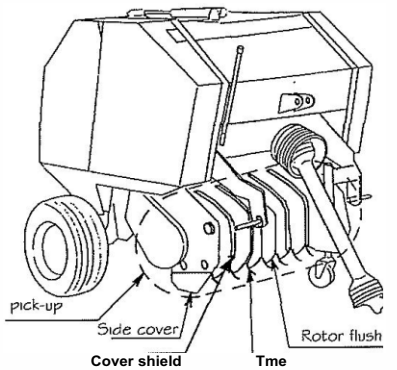
1. **Lower link pin and upper link**
   Lower link pin and upper link are connected with the tractor lower links and top link.



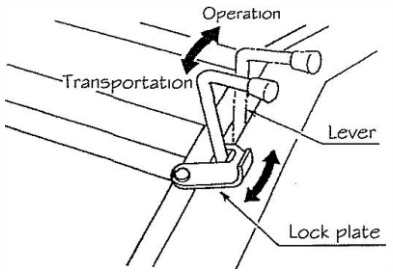
2. **Shear bolt**
   Shear bolt is sheared when overload affect to the machine for preventing from the damage of the machine.



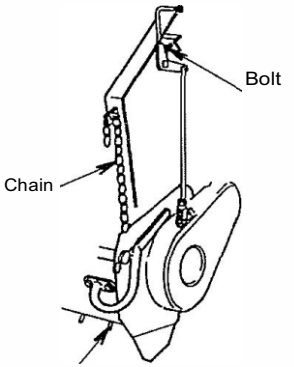
3. **Pick-up**
   Pick-up is operated to pick-up baling material from the ground.



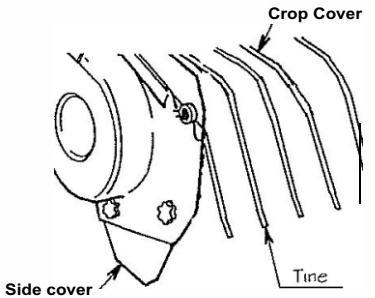
4. **Lever and lock plate**
   Pick-up is lifted and is hold by lock plate for transportation of the machine. Pick-up is lowered by releasing lock plate.



5. **Chain and bolt (Lower limit)**
   Chain and bolt limit the height of pick-up tines from the ground.



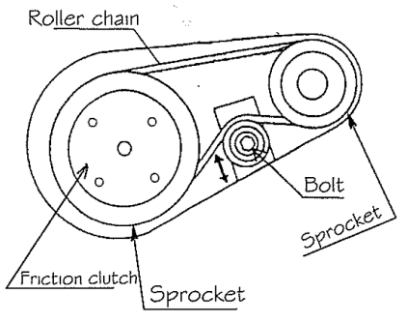
6. **Crop cover, Cover shield and cover**
   Crop cover helps to convey hey or straw smoothly to the chamber.



7. Roller chain and sprocket

Roller chain transfer the power to drive pick-up.

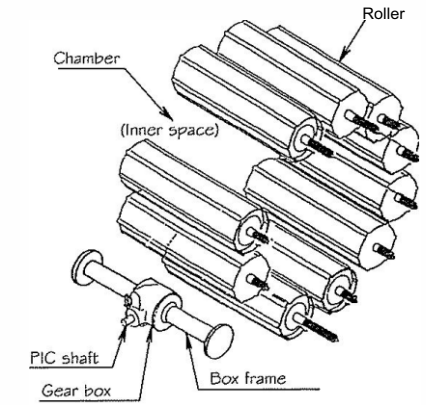
Friction clutch slips when over load affects to pick-up for preventing from damage of pick-up.



8. Chamber and roll

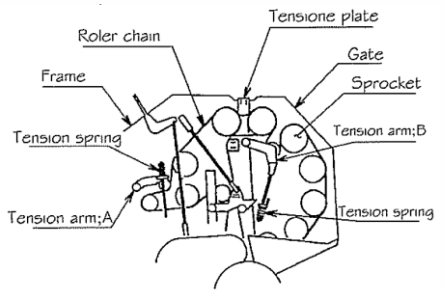
Chamber is formed by rolls.

Rolls rotate themselves and rotate baling material for making cylindrical material inside of chamber.



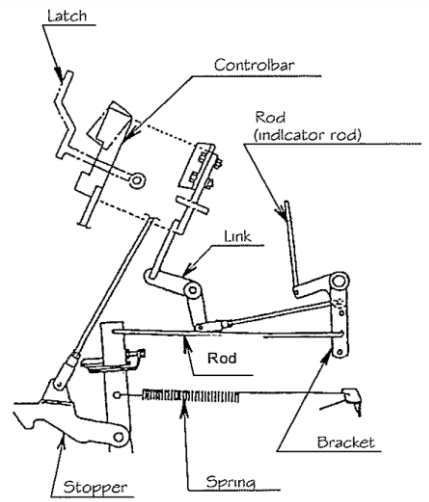
9. Spring (Tension spring)

Spring gives proper tension to roller chain.



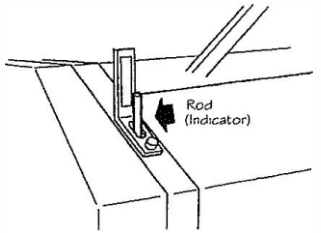
10.Rod and bracket

Bale density can be adjusted by changing the rod position into the hole.



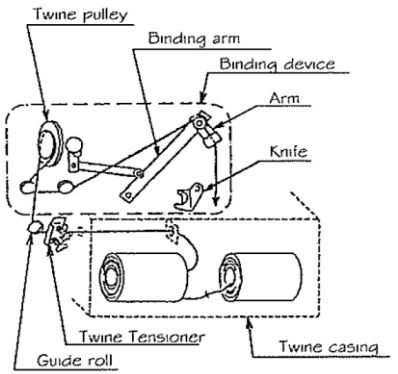
11. Rod (Indicator rod)

Rod shows to the operator the progress of making bale.



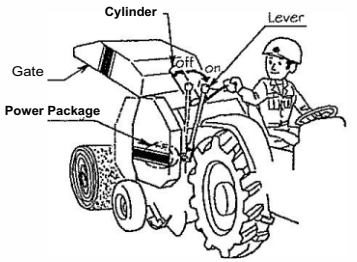
12.Binding device

Binding device winds twine on a finished bale.



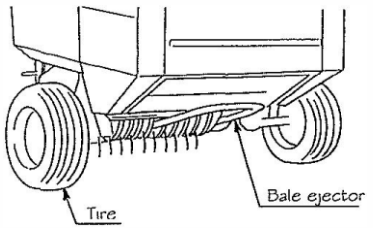
13.Hydraulic power package and lever

Hydraulic power package actuate hydraulic cylinder to open and to close gate for bale ejaculation.



14. Bale ejector

The bale ejector rolls the finished bale far enough from the machine to allow gate close.



2). Applicable tractor size

This machine is designed to perform by attaching to suitable size of the tractor.

If this machine is attached to unsuitable size of tractor, it will have a possibility of giving bad affection to durability or to operation.

Applicable tractor HP
MBR0850 From 25 HP to 50 HP MBR0870 From 30 HP to 50 HP

Never attach the machine smaller tractor than 25 HP(MBR0850)or 30HP(MBR0870).

It will be a cause of serious accident lack of weight balance.

If the machine is attached to bigger tractor than 50 HP, it will have a possibility to give damage to the machine.

3). Assembling

1. Package opening

Open the package and untie the parts from package wooden frame.

2. Details of attached parts

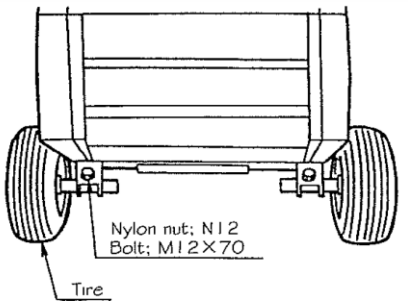
Make sure if all parts delivered in accordance with packing list.

3. Process of assembling

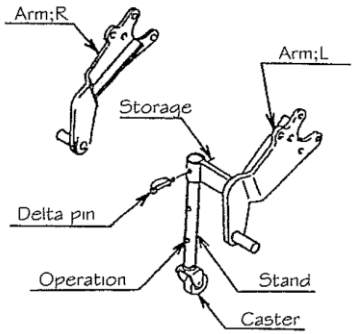
Refer to the mark numbers on nuts and bolts necessary for assembling in the packing list.

(1)Attach the tires on the machine and fix them by nylon nuts and bolts.

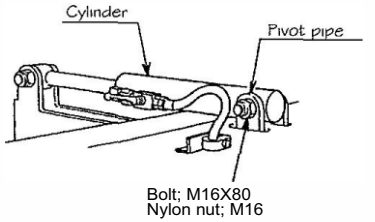
Adjust the tire tread not to trace to the tractor wheel tracks



(2) Attach stand to arm;L



(3)Extend the rod of hydraulic cylinder and align the hole of barrel and the hole of pivot pipe. Then apply bolt.



(4)Refer to parts list to apply other parts to the machine.

4. Attaching to a tractor

D Warning

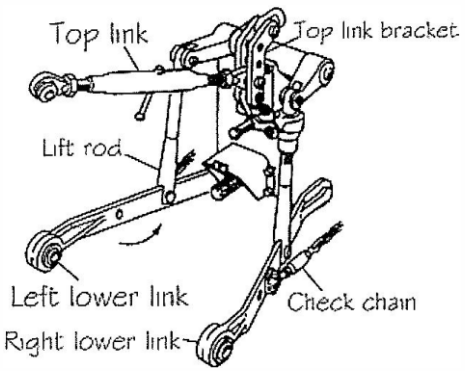
- Bystanders must keep safely distance when the machine is attached to the tractor or detached from the tractor.

D Caution

- Attach the machine to the tractor or detach the machine from the tractor on flat and solid ground.
- If the machine is attached to a light weight tractor, it has a possibility of getting unstable steering.
  Attach the front weight on the tractor in case like this.

1). Preparation for attachment

This machine should be attached to the standard 3P tractor.
If the machine can not be lifted up high enough, the pin of lift rod should be inserted into front side of hole of lower link.



2). Attaching to a standard 3P

In accordance with following procedure.

(1) Start engine of the tractor and drive a tractor to backward until tips of lower link will be aligned.
Stop engine and apply parking brake.

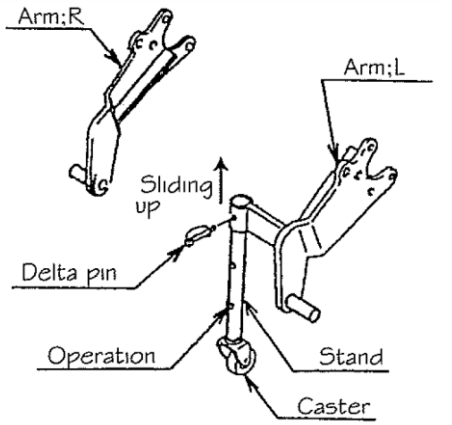
(2) Insert left side of lower link pin into the hole of right lower link pint.
Insert right side of lower link by same procedure above

(3)Turn adjusting screw to get the same height of left and right lower links from the ground.

(4)If the width of lower link is small, adjust the link of left side (look from backward) internal

(5)Lift the 3P machine by 3P connection to let the 3P frame upright rise choose the position of main link pin then connect and fix.

(6)Start engine of the tractor and operate the oil pressure handle to lift the machine then stop the engine.



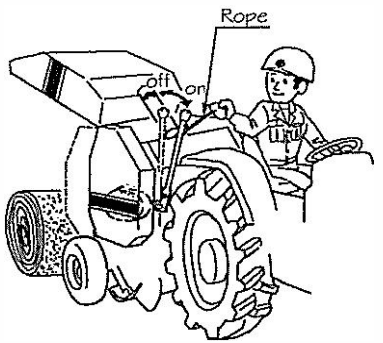
(7)Align center of PIC shaft and PTO shaft by check chains and then tighten check chains to protect the machine swing.

3). Attachment of power package operation rope

Caution in operation

* Connect operation rope to the tractor not to touch with universal joint and to have enough slackness not to stretch in turning.

The breaking end of rope is fixed inside of driver's cab (no effect to operation)



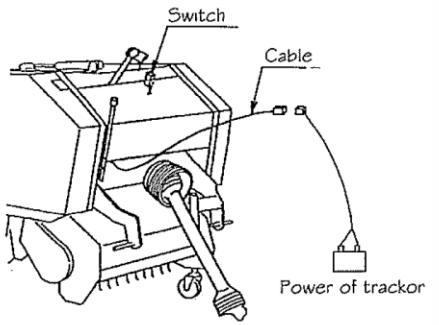
4). Attachment of buzzer

Caution in operation

- Adjust the length of electric cable to get enough slackness & not to stretch in turning.
  Tie the surplus of electric cable with a string to the tractor.
  Turn off the switch when the machine is not used.

(1)Attach the buzzer at suitable position for the operation.

(2)Connect with accessorial electric cable to power of tractor(12V).



5). Method of twine threading

D Warning

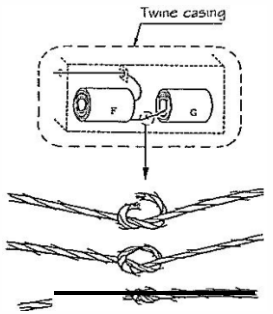
- Stop the tractor engine when twine is threaded.

Caution in operation

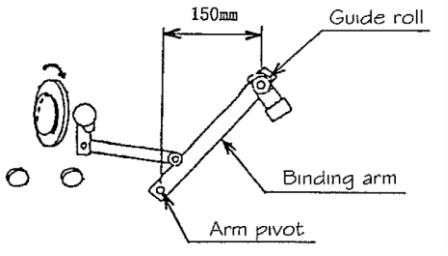
- Use only original twine. TGOBOO (Jute 8500 feet)
  TPOBOO (Polypropylene 1100 feet)

(1)Contain two twine spools in the twine casing.

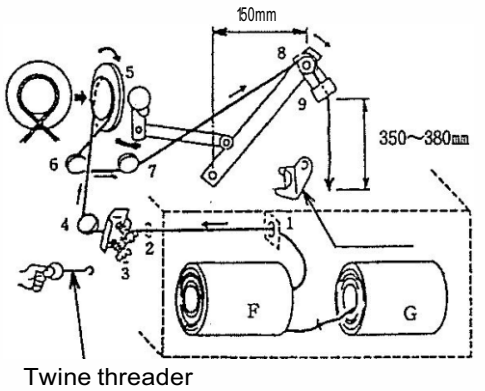
(2)Connect the end of rope F to the starting of rope G. Knot should be made as small as possible.



(3)Turn twine pulley to the direction of arrow until binding arm move from outside to inside and then stop turning at horizontal distance 150mm between tip of binding arm and pivot.



(4)Thread twine tip order from 1 to 9 .
Use attached twine threader places where it is difficult thread twine.
Cut the end of twine by the length from 350mm to 380mm and hang it from binding arm tip.



5 Attachment of Universal joint

DANGER

- Never use universal joint with damaged safety cover or without safety cover.
- Inspect damage on universal joint and replace it if damage is found out on universal joint.
- Stop the tractor engine and disengage PTO clutch when universal joint is attached.
- Fix chains of safety cover to the tractor and stationery part of the machine not to rotate safety cover.

Caution

- If overlap length between inner and outer tube of universal joint is less than 100mm in extended position, it will be a cause of universal joint breakage.

  If the space between inner and outer tube is less than 25mm in retracted position, it will be a cause of damage.

  By pushing to each other when the machine is lifted.

Caution in operation

- If universal joint makes noise when the machine is lifted up by 3P, limit the height of tractor 3P.

1). Universal joint length check

(1)Pull out other tube of universal joint from inner tube of universal joint.

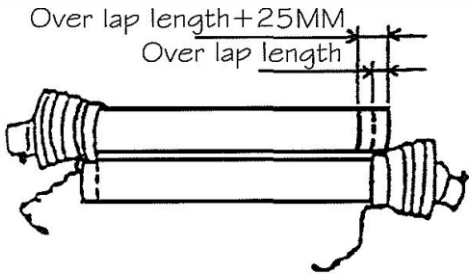
(2)Lift up the machine and stop the lifting at the closet distance PTO shaft and PIC shaft.

(3)Push cramp pin of yoke and insert the yoke into PTO shaft and push on until cramp pin comes out by spring force.

Insert the other yoke into PIC shaft same procedure as mentioned above.

(4)Put one universal joint on to one another universal joint.

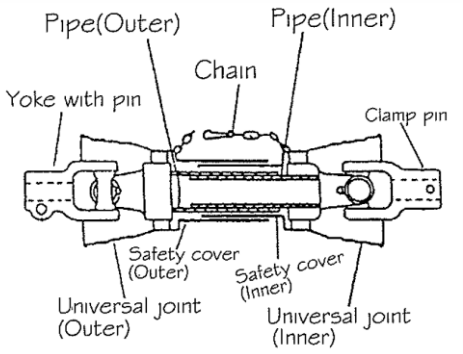
Mark lapping end position of outer safety cover and inner safety cover and mark at further 25mm inside from lapping position. Cut off safety cover at further 25mm position.



(5)Lift the machine and stop lifting at the most separated position between PTO shaft and PIC shaft.

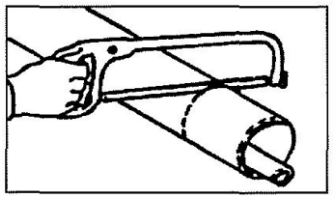
(6)Put one safety cover on to one another cover.

If lapping length is less than 100mm, replace it to longer universal joint.

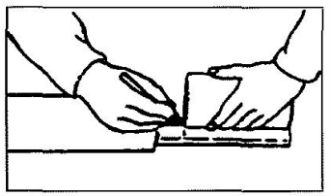


2). Method of cutting

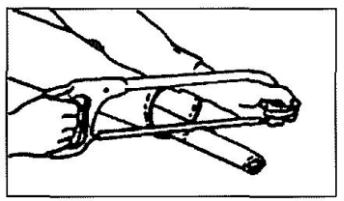
(1)Cut off excess length of inner and outer safety cover.



(2)Mark on inner and outer pipe the same length of cut off safety cover from the end of inner and outer tube.



(3)Before cutting off, put rag into between safety cover & pipe not to come into sawdust. Cut off excess length of tube by metal saw.

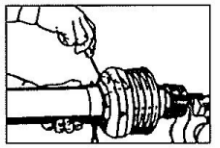


(4)File cut ends and clean the surface.
Apply grease on tube and insert inner tube into outer tube.

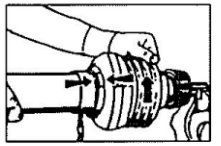
3. Method of outer safety cover removal

(1)Disassemble procedure of cover

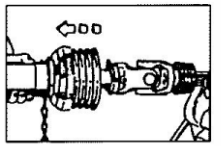
(j) Take out fix screw.



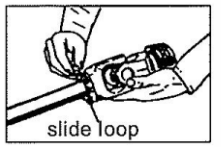
@ Rev olv e the cover to the position of release.



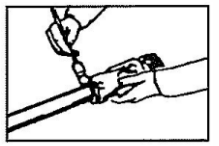
@ Pull out safety cover from tube.



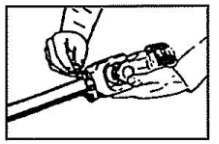
@ Take out the slide loop.



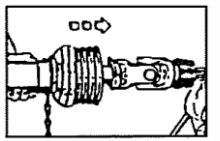
(2)Assemble procedure of cover CD Apply oil to slide loop channel and tube inside



@Open the cut mouth of slide loop and imbed it to the channel of tube.

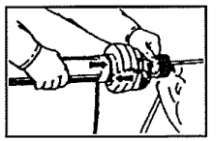


@Fit the safety cover .



@Screw tightly.

@Fix the position with fix screw.



4. Connection of universal joint

(1)Connection to the machine

Push cramp pin of yoke and insert yoke into PIC shaft and push on until cramp pin comes out by spring force.

(2)Connection to the tractor

Push cramp pin of yoke & insert the yoke into PTO shaft and push on until cramp pin comes out by spring force.

D Caution

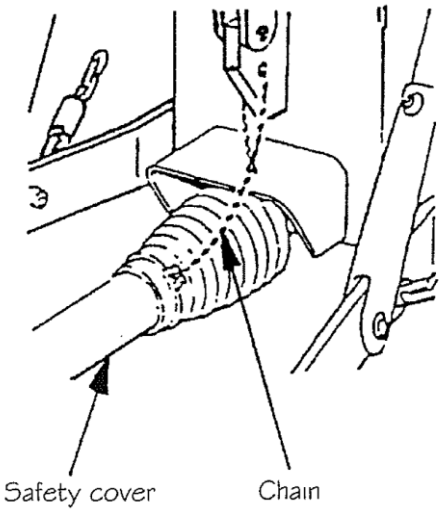
- After connection of universal joint, make sure that cramp pins of PTO side and PIC side stay firmly in grooves of PTO shaft and PIC shaft.

  If the pins do not stay in groove firmly, it will be a cause of serious accident.

(3) Fix of safety cover chain

Fix safety cover chain on stationary part of tractor to prevent from rotation of safety cover .

Slacken off chain not to stretch it in the up and down movement of tractor 3P.



2. INSPECTION BEFORE OPERATION

Following should be done before operation to stand long life the machine.

1). Inspection before operation.

(1). Inspection of the tractor parts

Inspect the tractor parts in accordance with operation manual of the tractor.

2). Inspection of connecting parts

(1)Inspection of 3P connecting parts

1) Make sure that locking pin is inserted into the hole of lower link pin.
2) Make sure that locking pin is inserted into a hole of top link pin.
3) Make sure that check chains of the tractor are stretched firmly.
4) If any problem is found in connection, remedy the problem according to the instruction "1-4 Attachment to tractor".

(2)Inspection of universal joint

1) Make sure that cramp pins stay in the groove of PTO shaft and PIC shaft.
2) Make sure that chain of safety cover has excess slackness.
3) Check the damage on safety cover of universal joint.
4) If any problem is found on universal joint, remedy the problem according to the instruction "1-5 Attachment of universal joint".

3. INSPECTION OF THE MACHINE

(1)Check looseness of nuts and bolts. Tighten loosen nuts and bolts firmly.

(2)Check if the shear bolt is sheared or not.

If it is sheared, replace to new one referring sufficient. To the parts list.

Beforehand, prepare for replacement shear bolts.

(3)Check if roller chain is properly stretched. Adjust it in accordance with the instruction "5-2-1 Adjustment of roller chain stretch".

Check the length of pick up tension if the length is improper, adjust the length in accordance with the instruction of "5-2-2 Pick-up V-belt tension adjustment".

(5)Check the length of twine tensioner.

If the length is improper, adjust it in accordance with the instruction "5-2-3 Adjustment of twine tensioner".

(6)Check the sharpness of binding knife to cut twine.

If it has a problem, solve the it in accordance with the instruction "5-2-5 Adjustment of binding knife".

(7)Check if twine is enough, twine is threaded properly and binding arm is in proper position.

If any problem is found, solve it in accordance with the instruction "1-4-4 Method of twine treading".

(8)Check damage of tine and rotor flush.

If it is damaged, replace it to new one by referring to parts list.

(9)Check stuck hey or straw in the machine. Remove stuck crop from the machine.

(10)Check application of oil and grease.

If it is not applied properly lubricate in accordance with the instruction "2-3 Lubrication spots table".

(11)Check if tier air pressure is sufficient. If it is insufficient, apply air until the pressure becomes 195kPa(2.0Kg/m 2).

2). Inspection in tractor engine running

1. Inspection of the tractor hydraulic

Lift up the machine by controlling lever of lift up and down for hydraulic control.

If the machine will not come down in lifting up position, hydraulic system has no trouble.

If hydraulic system has any trouble, contact with tractor dealer for solving problem.

2. Inspection of machine hydraulic system

(1) Inspection of hydraulic system for gate opening and closing.

D Waning

- Bystanders must be away from the machine when gate is opened.

D Warning

- Bystanders must be away from the machine when the gate is closed.

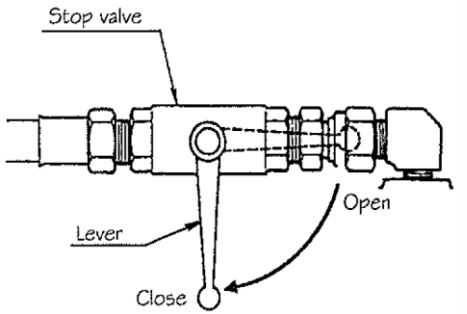
Lock gate by the stop valve when the machine is checked in the gate opening situation.

D Caution

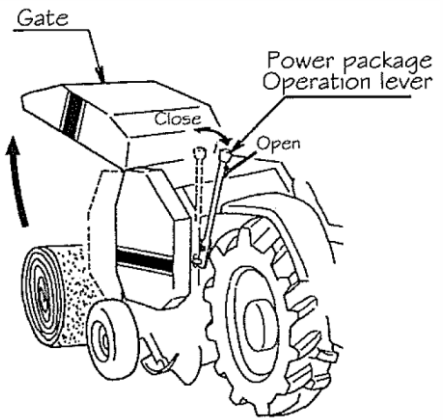
If the hydraulic hose is damaged or hydraulic fitting is loosen, it will be cause of injuring by leaking high pressured hydraulic oil or suddenly dropping of the machine.

Replace damaged hydraulic hose or fittings and tighten loosen fittings.

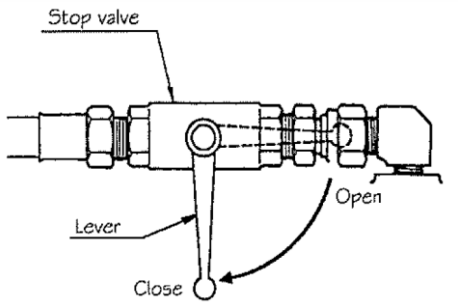
Turn lever of stop valve for gate opening and closing to "Opening" position.



2) Start the tractor engine and engage PTO to rotate PTO shaft and then open gate Stop valve Male swivel adaptor /Open by operating lever of power package.



3) Turn lever of stop valve to "close" while pulling the lever of the power package at full opened gate position.

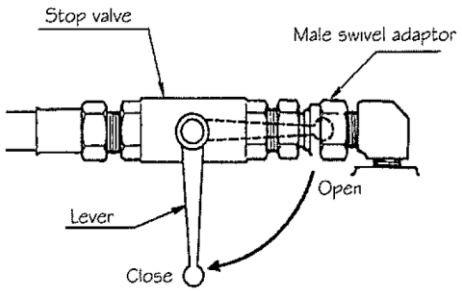


4) If the gate does not come down, it has no trouble.

If gate comes down, check oil leakage and repair or replace damaged part.

5) Close the gate by turning slowly lever of the stop valve to "Open" direction.

If the air remains in the hose or cylinder, loosen male adapter and let the air out it. Tighten swivel adapter after releasing air.

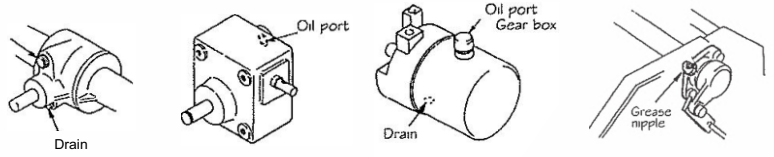


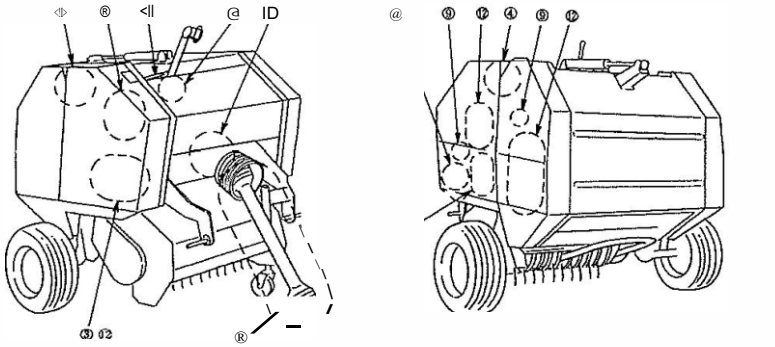
3.Lubrication spots table

•Apply fresh and clean oil and grease the machine.

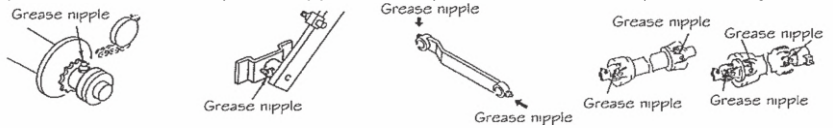
•Apply grease to a grease nipple until old grease come out.

1) Gear box 2) Worm gearbox 3) Power package 4) Housing





5) Sprocket 6) Arm support 7) Crankbar 8) Universal joint



9) Tension arm pivot 10) Link pivot 11) gate pivot 12)Roller chain

No.	Lubrication points	Point	Kind of lubrication	Changing time	Qty	Remarks
1	Gearbox	1	Gear oil ; SAE 90 AP! GL-5	After 100 hr or one season	500g	**Discharge gearbox,clean in a before oilina**
2	Worm gearbox		Gear oil ; SAE 90 AP! GL-5;			
3	Power package	1	Gear oil ; ISO VG46	Every 100 hr	1.7L	Gearbox tank
4	Housing	2	Grease ; Number3	After operation	Proper Qty	Grease nipple
5	Sprocket	1	Grease ; Number3	After operation	Proper Qty	Grease nipple
6	Arm support	1	Grease ; Number3	After operation	Proper Qty	Grease nipple
7	Crank bar	2	Grease ; Number3	After operation	Proper Qty	Grease nipple
8	Universal joint	-	Grease ; Number3	After operation	Proper Qty	Grease nipple
9	Tension arm pivot	2	Oiling	After operation	Proper Qty	Grease nipple
10	Link pivot	4	Oiling	After operation	Proper Qty	
11	Gate oivot	2	Oiling	After operation	Proper Qty	
12	Roller chain	4	Grease application	After operation	Proper Qty	

3 Operation method

1. Purpose of this machine

1.This machine is produced for baling grass, rice straw and straw.

Never use except this purpose.

(1)Bale for the hay which is less than 20% of moisture content.

(2)Bale the grass for making wrapping silage which is between 50% and 60% of moisture content.

2. Do not operate the machine after stopping rain of in muddy field.

Operate the machine in well dried field.

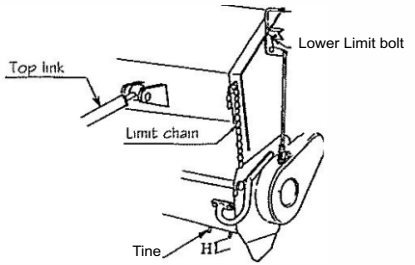
2. Adjustment for operation

1. Adjustment of pick-up tine height from ground

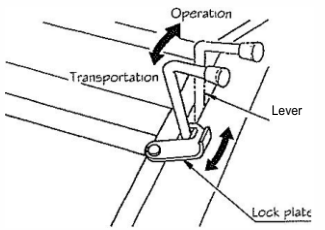
(1)Adjust pick-up tine height from the ground by limit chain and lower bolt.

Fine adjustment is done by top link pin of a tractor.

Baling material	H
Cut straw	Omm
Long straw or hay	20mm

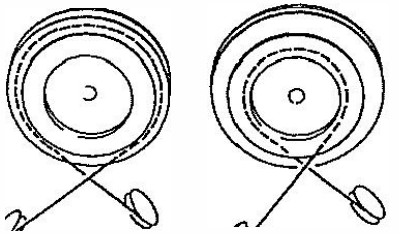


(2) Select operation position and transport position by moving the lever and lock plate.



2.Adjustment of twine winding number Adjust the twine winding number according to baling condition and handling condition of bale.

Winding number	Crop	Handling	Twine pulley
10	Cut straw Dried straw	Many	Big dia. pulley
8	Hay Long straw	Few	Small dia. pulley



10 wnding (Cut straw) Many handling

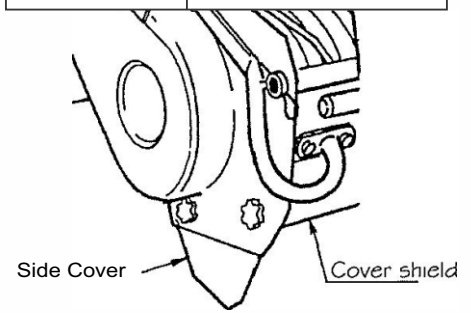
8 wnding (Long straw or hay) Few handling

The winding number should be changed according to thickness of twine.

If the twine is thicker, the winding number must be more. Above table is the standard.

3.Adjustment of Cover shield and Side cover

Crop	Cover shield/ side cover
Cut straw	Attachment
Hay, Long straw	Removal



4. Adjustment of bale density Caution

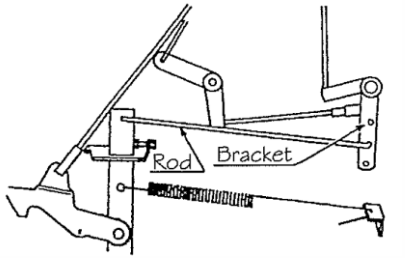
- High density of bale requires high tractor PTO horse power.

  Adjust bale density according to the tractor size, the field condition & the baling material.

(1)Adjustment of the rod

When the rod is inserted into higher position of bracket hole, lower density of bales are made.

When the rod is inserted into lower position of bracket hole, higher density of bales are made.



(2)Adjustment by travelling speed lower travelling speed make higher density of bale.

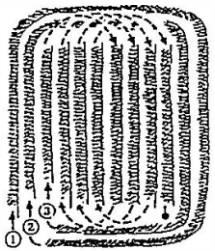
Adjustment the travelling speed according to condition of the operation.

3 Operation method in field

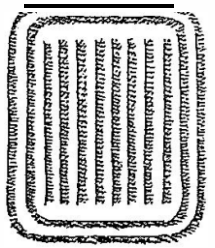
1.Method of windrow making

Make windrows of the width from 70cm to 80cm and the height from 30cm to 40cm as uniformly as possible.

The windrows which are made for efficiency and smooth operation are ecommended.



Order of making windrows



Finishing

Hay	Long rice straw (straw)		Cut straw
Make windrows as Below	Straw chop off operation By 3/4 rows rice combine harvester	Operation by dropper of 2 rows rice combine harvester	Direct straw pick up is Possible
		2 rows direct drop / Operation by dropper	
70~80cm 30 / 40cm		70~80cm 30 / 40cm	Operation after making is better than above. 70~80cm 30 / 40cm

2. Field operation

D Warning

- Bystanders must be away from the machine when pick-up is running.

  Stop the tractor engine when taking away Stuck baling material from the pick-up.
- Never touch rotating rollers.

Stop the engine of the tractor when taking away stuck grass between rollers.

(1)Put on the switch of the buzzer and rotate PTO and then travel the machine by striding over a windrow.

Adjust PTO speed depending on baling material condition & the moisture content of it.

Baling material condition. Moisture content	PTO speed
Standard	540rpm
Dried short	350-450rpm
Moist • Stuck pick-up	540-600rpm

Normal operation speed 1s 3-5km/hr.

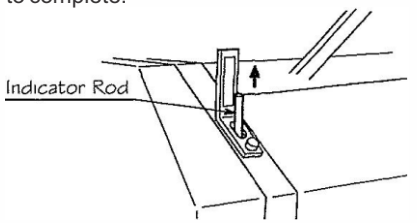
Adjust the operation speed depending round on the field condition.

Caution in operation

- Do not stop PTO while twine is binding round on a bale

(2)Quantity of the baling material inside of the chamber can know from the indicator.

The indicator rod rise up when a bale coming to complete.



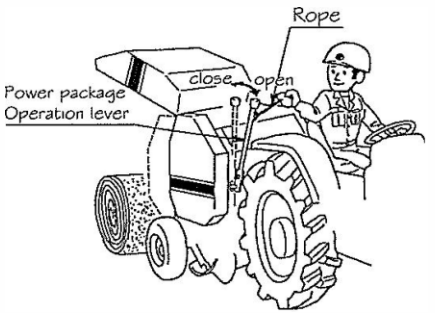
(3)When a bale reaches to complete, buzzer sounds and twine binds on a bale automatically.

Caution in operation

- If the twine binding will not start, forward about 1m.

(4)When twine binding is finished, twine is cut and binding stops.

Pull the rope of power package while PTO is running and open the gate and then eject a bale.



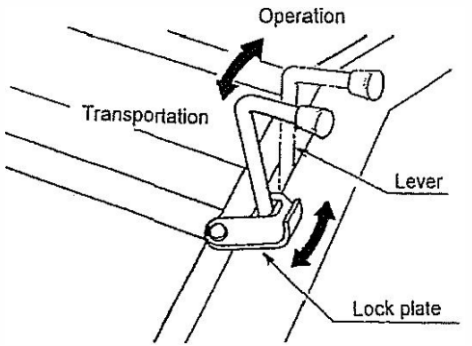
Warning f

- Bystanders must be away from the machine when the gate is opened.
- Do not eject a bale at inclined field. Eject a bale always level field.

(5)Return lever of power package after bale ejection to close gate and then start the operation.

4 Transportation

1. Stop PTO of the tractor.
2. Pull down the lever and lock it by lock plate



3. Switch off the buzzer.
4. Lift up the machine by operating 3P lifting lever.
5. Lock 3P of the tractor not to come down the machine in the transportation.

4. OUT OF SEASON FOR STORAGE

Maintain the machine for keeping long life.

D Caution

- Never try to remove blocked material when the machine is running.
  Disengage clutch of PTO drive, stop tractor engine and make sure all movable parts stop.

1. Maintenance after operation

1. Remove baling material form pick-up in the field.
2. Remove piled dust from the binding unit.
3. Remove baling material stuck material on the rolls.
4. Remove dust from driving device in the side of the machine.
5. Replace damaged or worm parts to new ones.
6. Inspect driving and connection parts in accordance with inspection spots table.
7. Lubricate in accordance with lubrication spots table.
8. Apply grease on PTO shaft, PIG shaft, power joint and other parts which are not painted to prevent from the rust.
9. When machine and tractor separate.column should be set down.

1a. After machine and tractor separate,universal joint should be detached.

2 Detaching from a tractor

1. Slid down stand and insert pin into the highest position of a hole.
2. Lower hydraulic control lever of a tractor until tires of the machine contact with the ground.
3. Stop the tractor engine and apply parking brake.
4. Detach power joint from the tractor PTO shaft.
5. Detach right side of lower link, left side of lower link and top link.

3. Storage in out of season

1. Clean every parts of the machine.
2. Inspect moving parts and connecting parts in accordance with Inspection and maintenance points table.
   If any damaged or worn parts are found, they must be replaced with new ones.
3. Apply grease or oil in accordance with lubrication points table.
   Apply oil to rotating, pivoting parts and sliding parts such as clump pin of power joint.
   Apply grease on PTO shaft, PIG shaft and spine holes of power joint yoke.
4. Paint or apply oil on damaged surface of parts to prevent from the rust.
5. Store the machine in well ventilating indoor.
6. If there is no choice but to keep the machine in out door, cove the machine with a plastic sheet.

5. INSPECTION AND MAINTENANCE

Inspection and maintenance should be done regularly to obtain good condition.

Inspect and maintain each parts in accordance with inspection and maintenance table to prevent from accident by poor maintenance.

Since tines, shear bolts, knives and twine are consuming parts, replace worn parts with new ones or replenish with new ones.

D Warning

- Stop the tractor engine and disengage PTO when adjustment of twine binding device is done.
- Lock stop valve for fixing gate when inspection or adjustment is done at opening gate.

D Caution

- Lock the hydraulic circuit of tractor when the machine is lifted up for maintenance or for inspection prevent from machine's falling down.
- Inspection or maintenance should be done on solid ground or concrete.
  Never inspect or maintain on slant, uneven, or soft ground.
- Stop the tractor engine and make sure all machine parts stop when inspection or adjustment is done.

1 Inspection and maintenance table

Hours	Items for checking	Remedy
After initial 1 hour operation	Looseness of all nuts and bolts Slackness of roller chains	Tightening Adjustment in accordance with "5-2-1 Tension adjustment of roller chain”
Before operation After operation (or before operation)	Cleaning up Wear of pick up tines Wear of binding knife Shear of shear bolt Twine consumption Running out of battery cell for buzzer Tires air pressure Looseness and loss of nuts, bolts and pins Abnormal noise or vibration in driving device Breakage of power safety cover of roller chain cover Lubrication to rotating and moving parts Adjustment of each parts	Replacement Replacement Replacement I Replenishment Replenishment Replacement (Layer-built cell battery 9V;6F22) 195kPa (2.0kg/cm2) Tightening and replenishment Remedy in accordance with trouble shooting table 6-1 Replacement Lubrication in accordance 2-3 Lubrication points table Adjustment in accordance 5-2 adjustment of each parts
Out of season	Broken parts Worn parts Cleaning up each parts Damage of painting Worn pivoting parts or pins	Repair Replacement with new one Painting or applying oil Replacement to new ones

2. Adjustment for each parts

1. Roller chain tension adjustment

Roller chain is elongated by usage little by little. Adjust tension of roller chain for transmitting the power smoothly.

Since the roller chain is especially elongated by initial usage, adjust tension after initial usage.

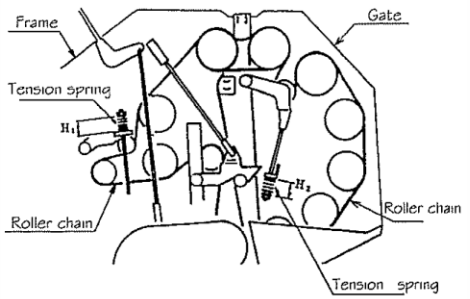
(1)Adjustment of tension spring

Adjust tension of roller chain on frame on the frame and on gate by adjusting the length of the tension springs.

The length of spring is mentioned below. The length of the spring is printed in the which is stuck on the machine.

H_1 = 36mm

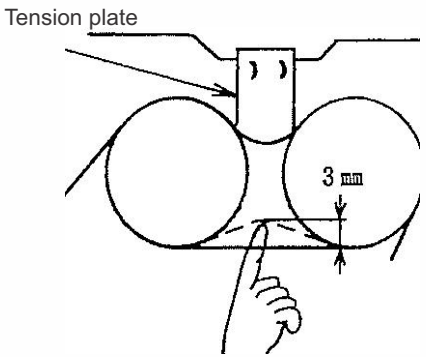
H_2 = 38mm



(2)Adjustment of tension plate

Adjust tension of roller chain between frame and gate by tension plate.

Proper roller chain tension gives 3mm deflection when roller chain is pushed by a finger.

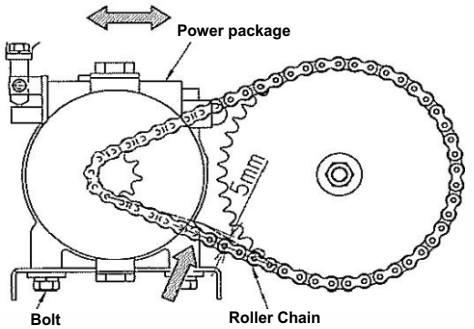


(3)Adjustment of power package

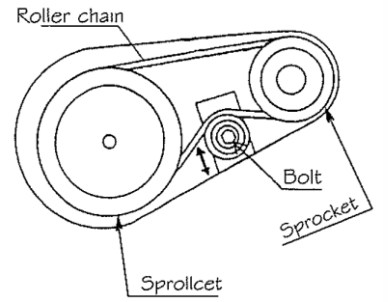
Tension for roller chain to drive the power package is adjusted by moving position of the power package.

Push middle part of chain between both sprockets by finger.

Correct tension is approx. 5mm of deflection when the chain is pushed.

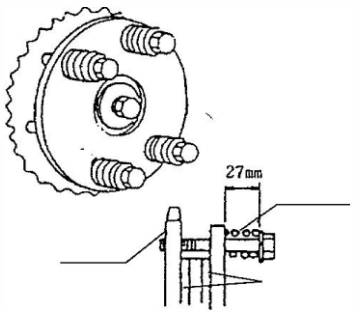


2. Adjustment of drive part for pick-up (1)Loose bolt.revolve tension roll to adjust chain,after adjustment. fasten the bolt. The most suitable tension is 3mm pressed down at the center of the chain.



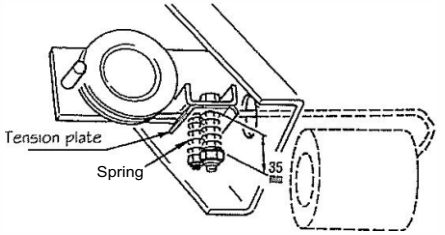
(2)Adjustment of sliding clutch Springs

(4) are adjusted to 27mm



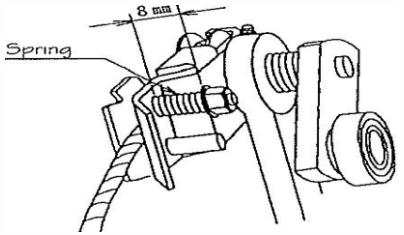
3.Adjustment of twine tension

Adjust spring length to 35mm.



4.Adjustment of arm tension spring

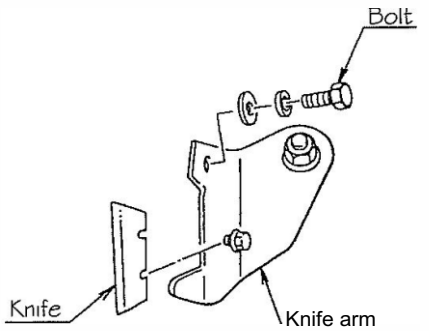
Adjust length of the spring at 8mm.



5. Adjustment of binding knife

Remove the knife and attach it after reversing if the knife is dull.

Replace the knife to new one if reversed knife is dull.



D Caution

- Apply original replacement knife of the machine.

6. Adjustment of bale density detection link

(1)Adjust the clearance between stopper and collar on gate by bolt.

L1 = 1-2mm is proper.

(2)Remove the from fork end on from lower end of release rod and then pull the release rod to lower.

Adjust the dimension between lower side of fork end slot and the hole of stopper as mentioned bellow in above situation.

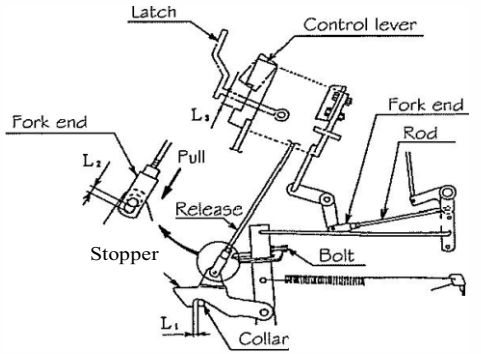
L2 = 2mm is proper.

(3)Adjust the dimension between latch and cutout of control bar as below.

L3 = 8mm is proper.

Adjust this dimension to L3 = 6mm.

If bale weight is too heavy (More the 25kg) because of too much moisture content.

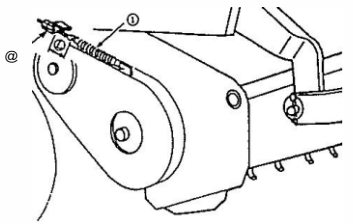


7. Adjustment of pick-up suspension

Proper suspension springs length on both sides of pick-up is L = 48mm.

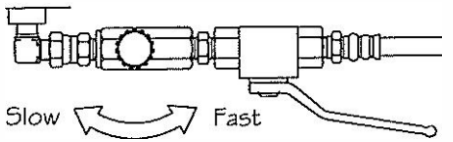
Adjust spring length according to field condition if the pick-up does not follow well the field unevenness.

Both springs length should be the same after the adjustment.



8. Adjustment for closing speed of gate Closing speed can be adjusted by turning of knob on the slow return valve.

Speed is decreased by turning it to right or is increased by turning it to left.



6.Trouble shooting

Adjust the machine in accordance with trouble shooting table if it does not work well.

Warning

- Stop the tractor engine and disengage PTO when adjustment is done.
- Lock gate by closing stop valve not to fall down when inspection or adjustment is done.

Caution

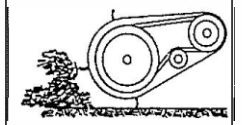
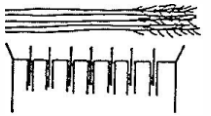
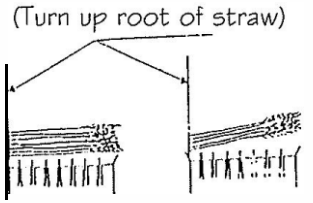
- Lock the hydraulic circuit of tractor when the machine is lifted up for maintenance or inspection to prevent from machine's falling down.
- Inspection or maintenance should be done on solid ground or concrete.
  Never inspect or maintain on slant, uneven, or soft ground.
- Stop the tractor engine, disengage PTO and make sure all moving parts stop when inspection or adjustment is done. Ask to the dealer by informing followings if the cause of trouble and trouble shooting is not clear

1 Trouble shooting table

* Pick-up

Fault	Possible cause	Remedy
*Abnormal noise is made	*Breakage of tine *Breakage of rotor flush *Winding of hay or twine *Breakage of cam roller bearing *Insufficient V belt tension	*Tine replacement *Rotor flush replacement *Remove of winding material *Replacement of cam roller bearing *Adjustment in accordance with "5-2-2 Adjustment of pick-up V belt tension"
*Material is not picked up cleanly	*Wrong pick-up setting *Too fast traveling speed *Breakage of tine	*Adjustment in accordance with "3-2-1 adjustment pick-up height from ground" *Reduction of traveling speed *Replacement tine with new one
*Baling material is clogged between pick-up and chamber.	*Too fast PTO rotation *Obstruction by side cover and cover shield *Too fast traveling speed *Too wide and too high windrow *Too much declined pick-up	*Adjustment PTO rotation in accordance with "3-3-2 Field operation" *Taking out side cover and cover shield *Reduction of traveling speed *Making windrows in accordance with "3-3-2 Method of windrow making" *Shortening top link for obtaining forward declined machine position
*Pick-up does not rotate	*Wrong V belt tension adjustment *Breakage of V belt *Too much clearance between pick-up tines and ground *Too wide and too high Windrow *Too mach mowing height from ground *Obstruction by side cover and shield cover	*Adjustment in accordance with "5-2-2 Adjustment of tension for pick-up" *Replacement of broken V belt with new one. *Adjustment in accordance with "3-2-1 Adjustment of pick-up height from ground" *Making windrow in accordance with "3-3-2 Method of windrow making" *Adjustment of cutting height for a mower *Taking out side cover and shield cover

*Pick-up

Fault	Possible cause	Remed
*Pick-up pushes long stem rice straw to forward 	*Matching of pick-up center and rice straw center in the pick-up operation 	*picking up by right side or pick-up 

*Roller

Fault	Possible cause	Remedy
*Roller makes abnormal noise	*Wrapping material or mud on roller or clogging material *Insufficient lubrication *Insufficient roller chain tension *Dent in roller	*Remove of wrapping material, mud or clogged material *Application of oil to roller chain *Adjustment in accordance with"5-2-1 Roller chain tension adjustment" *Replacement dent roller with new one
*Material is winding on roller	*Too fast PTO rotation *Material clogging in pick-up *Dent in roller	*Adjustment of PTO rotation in accordance with "3-3-2 Adjustment for operation" *Remedy in accordance with "pick-up" trouble shooting *Reolacement dent roller with new one
*Heat generate in roller chain	*Too high bale density *Insufficient lubrication to roller chain *Insufficient roller chain tension	*Adjustment in accordance with "3-2-4 Adjustment of bale density" and "5-2-6 Adjustment of bale density detection link" *Application grease to roller chain *"5-2-1 Roller chain tension adjustment"

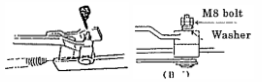
*Bale density detection link

Fault	Possible cause	Remedy
*Gate opens because of stopper's coming off from gate	*Stretching of power package operation rope	*Adjustment in accordance with "1-4-3 Attachment of power package operation **rope"**
*Bale density is loose	*Exceeding bale density operation because of not sounding buzzer *Wrong dimension adjustment of bale density detection link	*Remedy in accordance with "Buzzer " in trouble shooing *Adjustment in accordance with "5-2-6 Adjustment of bale density detection link"

*Buzzer

Fault	Possible cause	Remedy
*Buzzer does not sound	*Switch off *Running out of battery cell *Wrong cable connection *Cable breakage *Too much distance between switch lever and binding arm	*Switch on *Replacement of battery cell (Layer-built cell battery 9V ; 6F22) *Correction of cable connection *Replacement broken cable with new one *Adjustment of switch location

*Binding

Fault	Possible cause	Remedy
*Binding does not work when bale is finished	*Binding is not set in correct initial position	*Adjustment in accordance with "1-4-5 Method of twine treading"
	*Insufficient lubrication	*Lubrication
	*Wrong adjustment of tensioner spring	*Adjustment in accordance with "5-2-3 Adjustment of twine tension"
	***Twine** is coming off from twine pulley	*Adjustment in accordance with "1-4-4 Method of twine threading"
		*Remove tangle and catch of twine
	*Twine is tangled or caught	*Supply of lager quantity of material to left side of the machine
	*Lower density in bale left side	*Lubrication and adjustment of falling speed by double nuts
	*Binding arm does not rise up after coming off latch	 *Adjust falling down speed of twine arm not to be ahead of twine falling
	*Twine tip does not come in chamber	*Remove obstruction and let twine tip into chamber. Wipe off part of machine.
*Binding device work before reaching to setting density	*Binding is not set in correct initial position	*Adjustment in accordance with "1-4-4 Method of twine threading"
	*Longer leading twine length because of dull knife	*Replacement of knife and adjustment of leading twine length in accordance with "1-4-4 Method of twine threading"
*Twine comes off from bale	*Fewer twine binding number	*Adjustment in accordance with "3-2-2 Adjustment of twine binding number"
*Twine is not cut smoothly	*Too loose twine tension	*Tighten nylon nuts of twine tension plate one or two turns.

*Gate

Fault	Possible cause	Remedy
*Bale does not come out	*Density too high density	*Adjustment in accordance with "3-2-4 Adjustment of bale density"
	*Too wide windrow	*Making windrows in accordance with "3-3-1 Method of windrow making"
	*Declined field	*Ejection of a bale in flat olace
*Gate does open	*Closing of stop valve	*Opening of stop valve
	*Leakage or breakage of hydraulic circuit	*Remedy in accordance with "2-2-2-1 Inspection of hydraulic system gate opening and closing
	*Wrong adjustment of locking hook	*Adjustment in accordance with "5-2-6 Adjustment of bale density detection link
	*Disengagement of PTO	*Engage PTO and eject bale while PTO is running
	*Insufficient of power package oil	*Application of oil in accordance with "2-3 Lubrication spots table"

*Shear bolt

Fault	Possible cause	Remedy
*Shear bolt is cut	*Too high PTO speed	*Operation in normal PTO speed
	*Clogging material in pick-up	*Remedy in accordance with "Pick-up" clause of trouble shooting
	*Winding material on pick-up	*Remedy in accordance with clause "3-3-1 Method of windrow making"
	*Looseness of shear bolt	*Tighten shear bolt

uniuniversal-joint

Fault	Possible cause	Remedy
*Abnormal noise is made	*Insufficient lubrication	*Application grease to sliding pipes, spiders and mounting part of safety cover
	*Too much sharp angle of universal joint	*Adjustment of tractor top link length, lower link stabilizer and lower link upper limit

If you do not see the cause of a trouble or how to repair it, notify the following items to the supplier of the machine.

1.The name of machine
2.Model
3.Serial number
4.Details of trouble (Explain fully)

7 Parts list

How to order parts

1.When ordering a part, specify the following items.

* Machine name
* Model name
* Part name (See parts list.)
* Part No. (See parts list.)
* Quantity (See parts list.)

2. The marks of [-] and [/] in the quantity column denote the following.

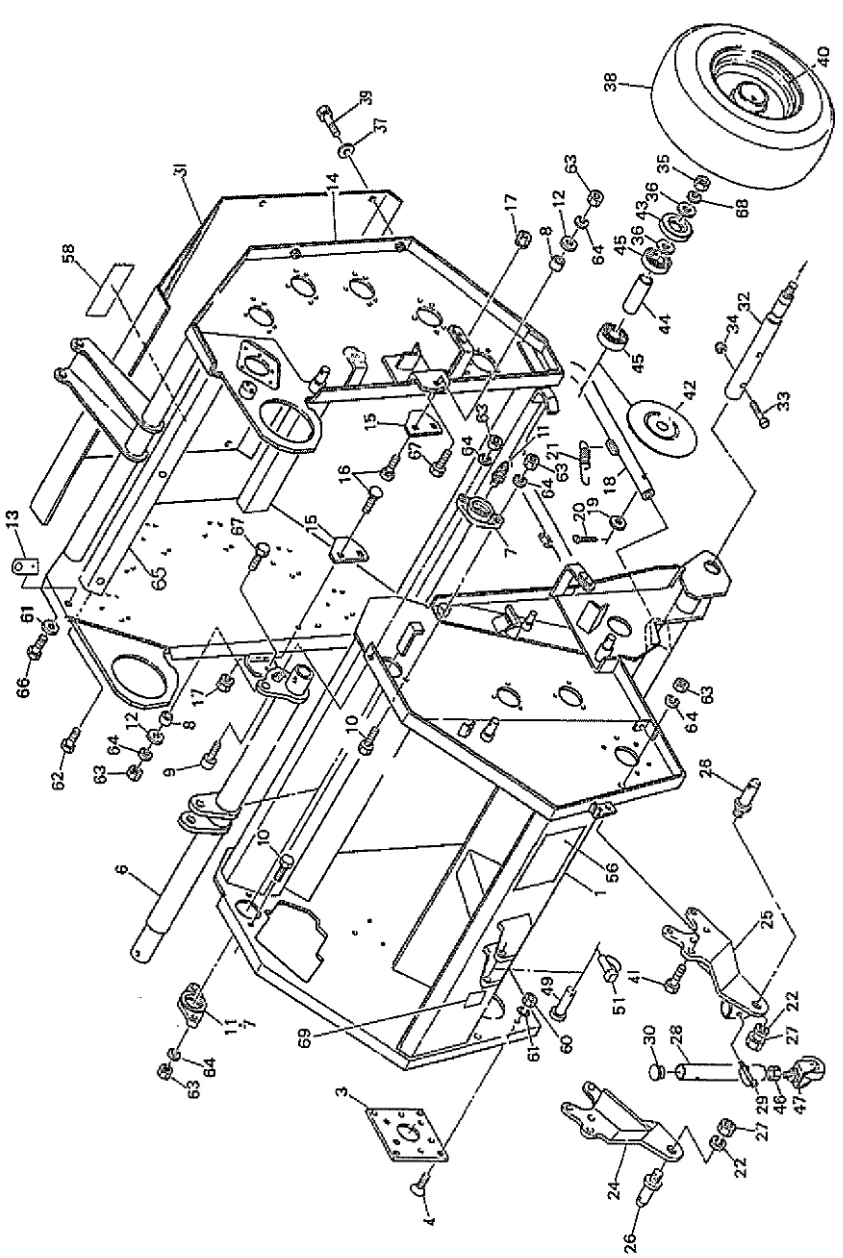
[-] --- Shims, etc., the quantity of which depends on each machine.
[/] --- Parts which are included in assemblies and are not supplied singly.

Supply time (period) of spare parts

The spare parts for this machine will be supplied for nine years after manufacture of this machine is stopped. It may take some time to deliver a special part, however, even in this period.

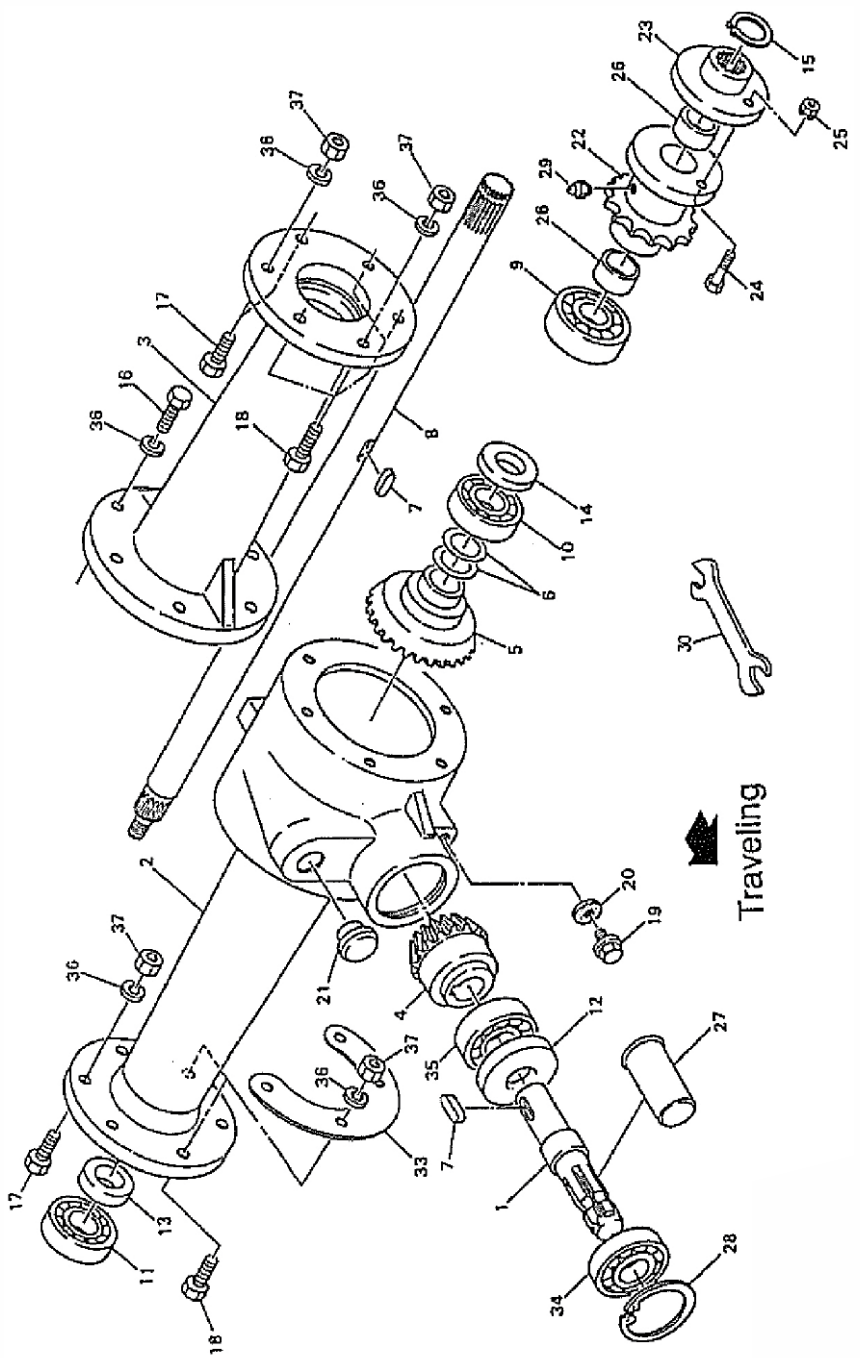
The spare parts will not be supplied after the above period as a rule. If you make a request for supply of a spare part after the above period, however, we can show you the delivery time and cost of that time.

Mini Round Baler Frame Assembly



Mini Round Baler Frame Assembly				
Sr No.	Discription	Part code	Qty	Remarks
1	Frame	10630868	1	
3	Plate	10630869	1	M10 X 25 (10.9)
4	Flat head bolt	10630870	4	
6	Pivot pipe	10630871	1	
7	Housing	10630872	2	
8	Collar	10630873	2	
9	Cap	10630874	1	M12 X 30 (10.9)
10	Bolt	10630875	3	M12 X 30 (8.8)
11	Grease nipple	10630876	2	B-M6
12	Washer	10630877	2	12.5 X 3.2
13	Bracket	10630878	1	
14	Gate	10630879	1	
15	Plate	10630880	2	
16	Square neck bolt	10630881	4	M8 X 15
17	Nut M8	10630882	4	M8
	Spring washer	10630883	4	8
18	Ejector	10630884	1	10
19	Washer	10630885	1	
20	Split pin	10630886	1	3.2 X 16
21	Spring (A)	10630887	2	
22	Spring washer	10630888	2	22
24	Arm (right)	10630889	1	
25	Arm (left)	10630890	1	
26	Lower link pin	10630891	2	0.1 with ref.No.22,27
27	Nut	10630892	2	M22 x 1.50 (8)
28	Stand	10630893	1	450A
29	Delta pin	10630894	1	9
30	Cap	10630895	1	28.6
31	Rear cover	10630896	1	
32	Shaft	10630897	2	
33	Bolt	10630898	2	M12 X 70 (8.8)
34	Flange nylon nut	10630899	2	M12
35	Nut	10630900	2	M14 (8)
36	Washer	10630901	4	M14
37	Washer	10630902	8	MB
38	Tire	10630903	2	16 x 6.50-8-4PR
39	Bolt	10630904	8	M8 X 16 (8.8)
	Spring washer	10630883	8	8
40	Wheel	10630905	2	5.3751-8
41	Bolt	10630906	2	M12 X 55 (8.8)
42	Cap	10630907	2	
43	Cap	10630908	2	
44	Collar	10630909	2	
45	Bearing	10630910	4	6205LLU
46	Nut	10630911	1	M20 (4)
47	Caster wheel	10630912	1	100
49	Up link pin	10630913	1	
51	Linch pin	10630914	1	9
56	Label 5	10630915	1	Warning 65
58	Label 6	10630916	1	Warning 75
60	Nut	10630917	4	M10 (8)
61	Spring washer	10630918	5	10
62	Bolt	10630919	2	M8 X 25 (8.8)
	Spring washer	10630920	2	8
63	Nut	10630921	8	M12 (8)
64	Spring washer	10630922	8	12
65	Bracket	10630923	1	
66	Bolt	10630924	1	M10 X 20 (8.8)
67	Bolt	10630925	2	M12 X 50 (8.8)
68	Spring washer	10630926	2	14
69	Label 12	10630927	1	Rotary speed

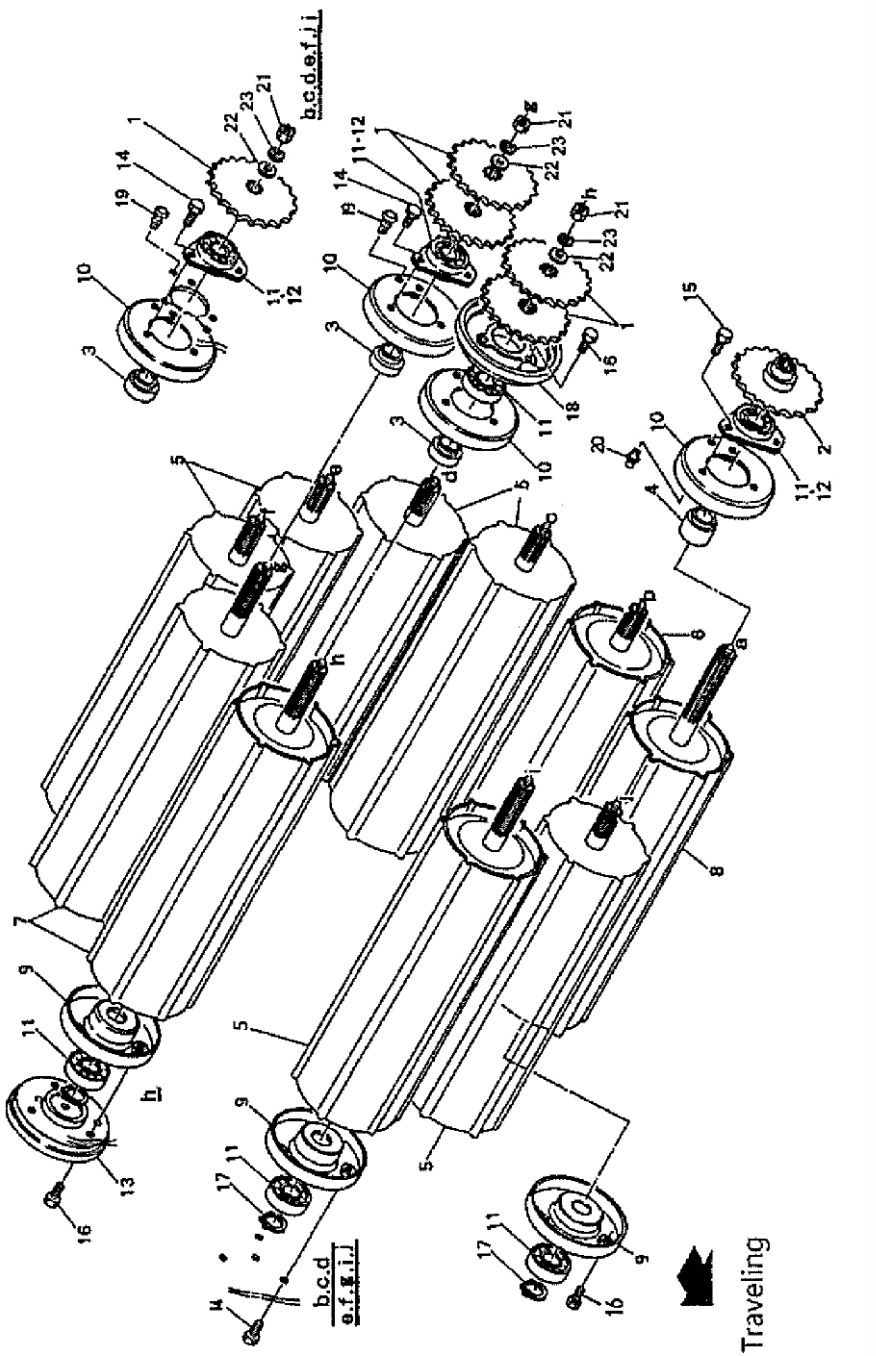
Gear Box Assembly



Gear Box Assembly

Sr No.	Discription	Part code	Qty	Remarks
1	Shaft (PIC)	10630928	1	
2	Gear box	10630929	1	
3	Box frame	10630930	1	
4	Bevel gear	10630931	1	12T
5	Bevel gear	10630932	1	22T
6	Shim	10630933	2	
7	Key	10630934	2	7 X 7 X 25
8	Shaft	10630935	1	
9	Bearing	10630936	1	6305-2RS
10	Bearing	10630937	1	6305
11	Bearing	10630938	1	6304-2RS
12	Oil seal	10630939	1	D40 X 62 X 10
13	Oil seal	10630940	1	D25 X 45 X 7
14	Oil seal	10630941	1	D25 X 52 X 8
15	Snap ring	10630942	1	25
16	Bolt	10630943	6	M10 X 25 (8.8)
17	Bolt	10630944	4	M10 X 30 (8.8)
18	Bolt	10630945	8	M10 X 50 (8.8)
19	Plug	10630946	1	M10
20	Packing	10630947	1	10
21	Oiling cap	10630948	1	
22	Sprocket	10630949	1	16T
23	Holder, shear bolt	10630950	1	
24	Shear bolt	10630951	11	M6 X 30including 10 pieces
25	Nut	10630952	11	M6including 10 pieces
	Spring washer	10630953	11	6including 10 pieces
26	Nylon bush	10630954	2	
27	PIC cap	10630955	1	35
28	Snap ring	10630956	1	62
29	Grease nipple	10630957	1	A-M6
33	Plate	10630958	1	4.5
34	Bearing	10630959	1	6007LLU
35	Bearing	10630960	1	6206
36	Spring washer	10630961	18	10
37	Nut	10630917	12	M10 (8)

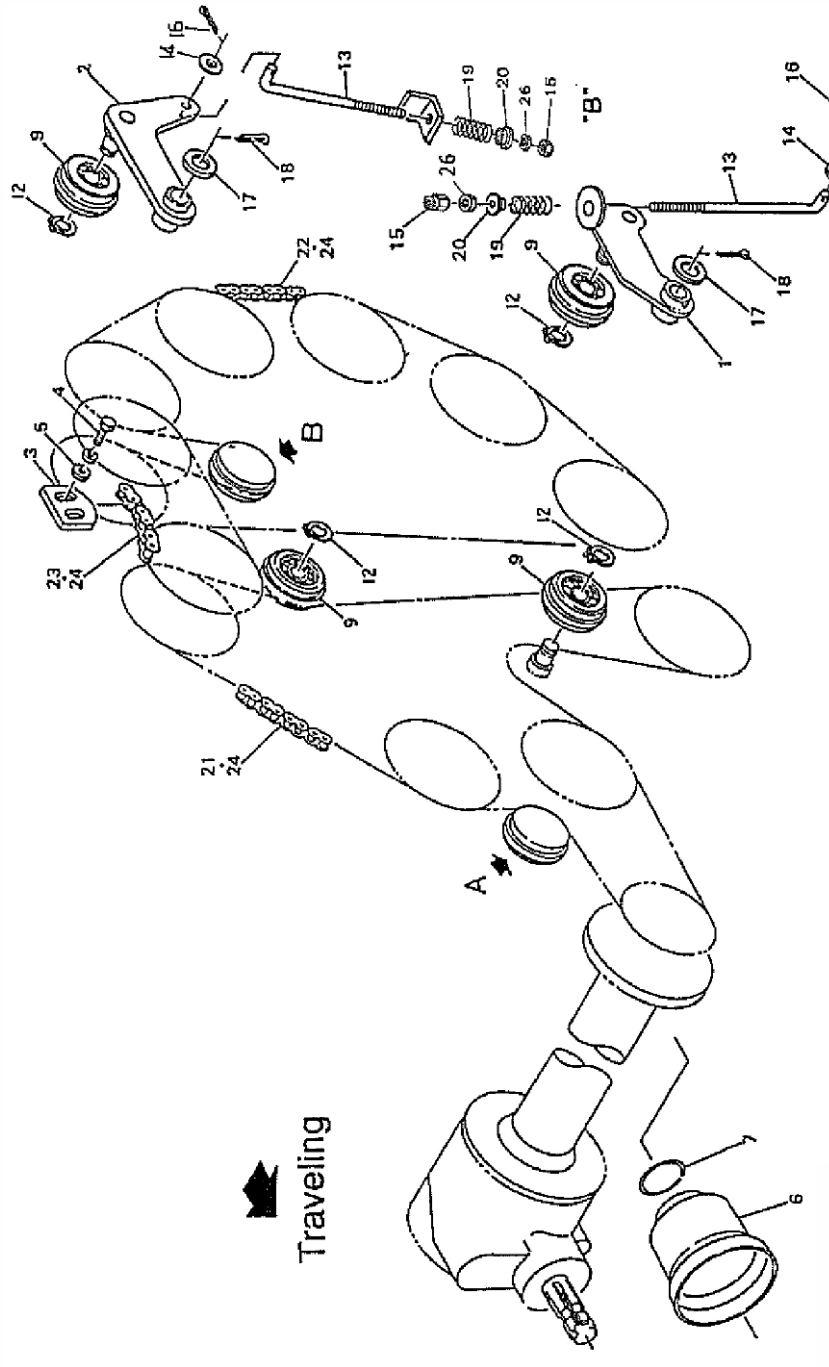
Roller Assy.



Roller Assy.

Sr No.	Discription	Part code	Qty	Remarks
1	Sprocket	10630962	11	22T
	Washer	10630963	-	25.5X0.6
2	Sprocket	10630964	1	22T
3	Collar (A)	10630965	9	
4	Collar (B)	10630966	1	
5	Roll (1)	10630967	6	
6	Roll (2)	10630968	1	
7	Roll (3)	10630969	2	
8	Roll (4)	10630970	1	With ref. No 4
9	Flange	10630971	10	
10	Flange	10630972	10	
11	Bearing	10050286	20	CS205LLU
12	Bi-flange	10630973	18	
13	Housing	10630974	1	
14	Bolt with spring washer	10630975	48	M8 X 20 (8.8)
15	Bolt with spring washer	10630976	3	M8 X 25 (8.8)
16	Bolt with spring washer	10630977	9	M8 X 30 (8.8)
	Spring washer	10630920	60	8
17	Snap ring	10630942	10	25
18	Housing	10630978	1	
19	Push rivet	10630979	18	6 X 6
20	Push rivet	10630980	2	6 X 10
21	Nut	10630921	9	M12 (8)
22	Washer	10630981	9	13 X 4.5
23	Spring washer	10630922	9	12

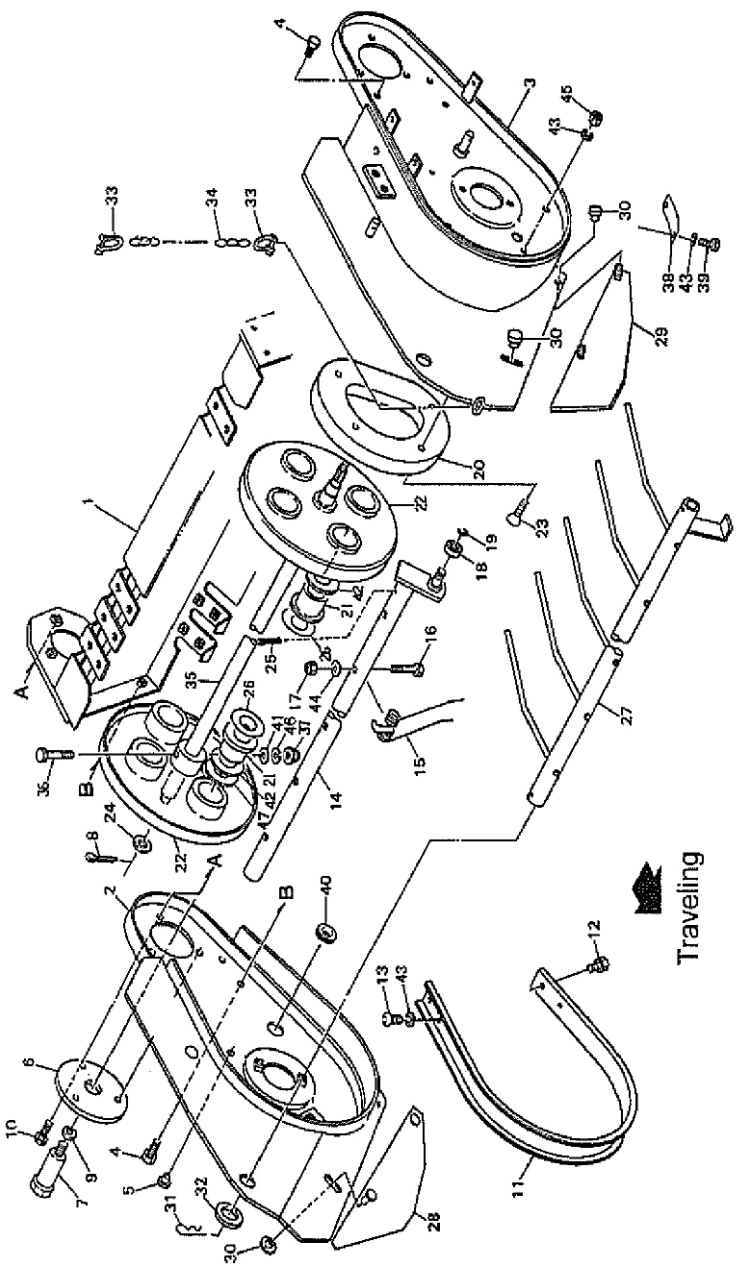
Chain Transmission Assy.



Chain Transmission Assy.

Sr. No.	Discription	Part code	Qty	Remarks
1	Tension arm (A)	10630982	1	
2	Tension arm (B)	10630983	1	With ref. No.14,16
3	Tension plate	10630984	1	
4	Bolt	10630919	2	M8 X 25 (8.8)
	Spring washer	10630883	2	8
5	Washer	10630902	2	8
6	PIC cover (1)	10630985	1	
7	Ring (S)	10630986	1	
9	Tension roller	10630987	2	
12	Snap ring	10630988	2	17
13	Rod	10630989	2	
14	Washer	10630885	2	M10
15	Flange nylon nut	10630990	2	10
16	Split pin	10630991	2	3.2 X 16
17	Washer	10630992	2	21 x 1.S
18	Split pin	10630993	2	3.2 X 32
19	Spring	10630994	2	
20	Collar	10630995	2	
21	Roller chain	10630996	1	5O X 144L
22	Roller chain	10630997	1	5O X 126L
23	Roller chain	10630998	1	5O X 42
24	Connecting link	10630999	1	50
26	Nut	10631000	2	10

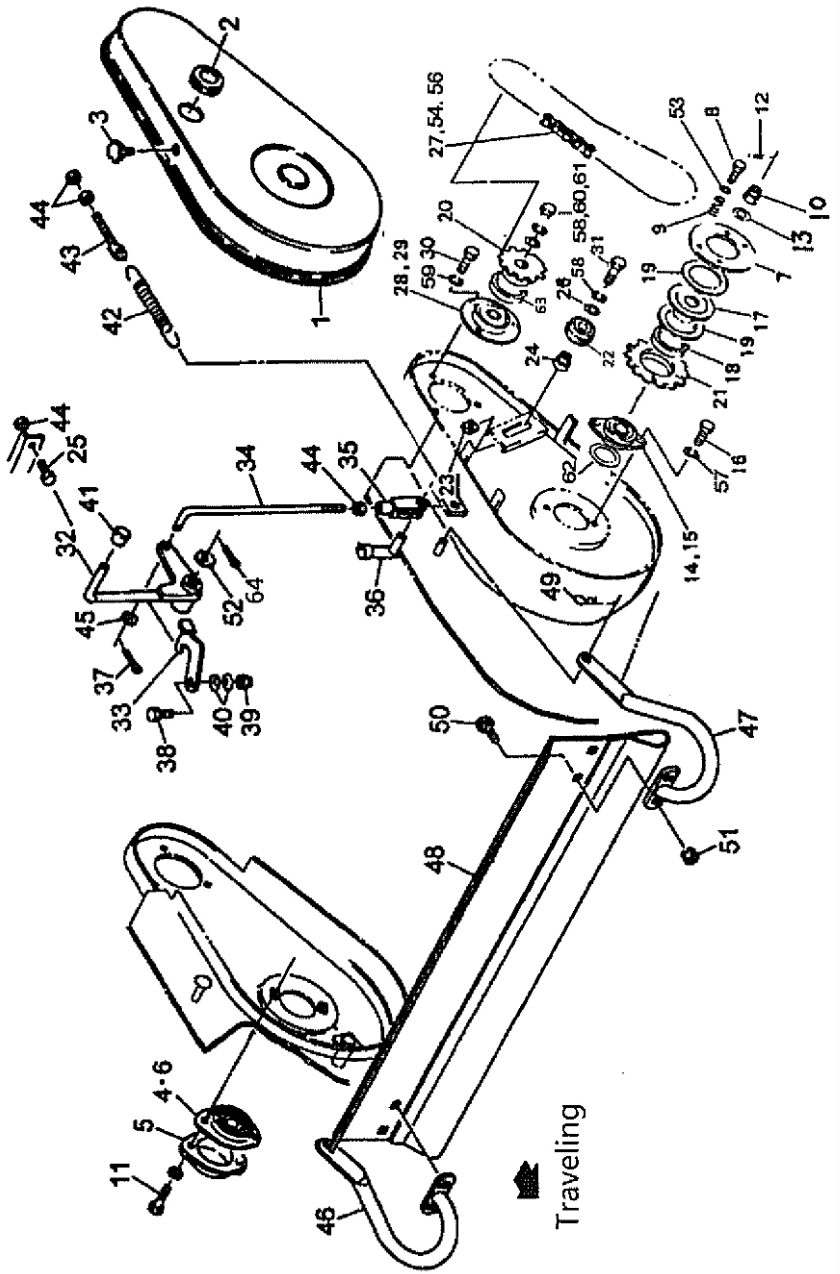
Picking - up - Assembly



Picking - up - Assembly

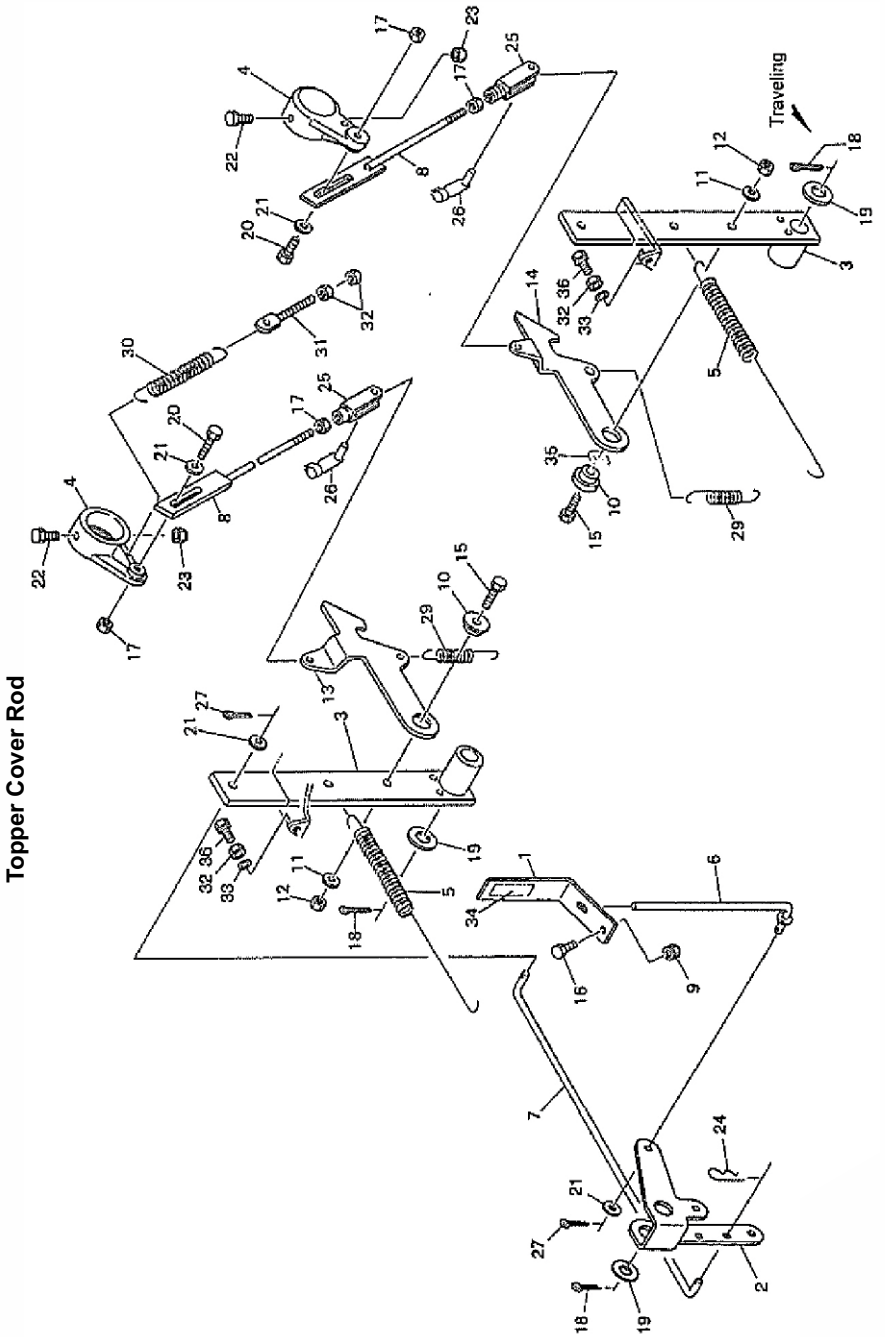
Sr No.	Discription	Part code	Qty	Remarks
1	Pick- up frame	10631001	1	
2	Side plate (right)	10631002	1	
3	Side plate (left)	10631003	1	
4	Bolt	10631004	5	M8 X 20 (8.8)
	Spring washer	10630920	5	8
5	Cap	10631005	5	9
6	Plate	10631006	1	
7	Shaft	10631007	1	
8	Split pin	10631008	1	5 X 36
9	Spring washer	10630926	1	M14
10	Bolt	10630919	3	M8 X 25 (8.8)
	Spring washer	10630920	3	8
11	Rotor flush	10631009	11	
12	Bolt	10631004	22	M8 X 20 (8.8)
	Spring washer	10630920	22	8
13	Bolt	10631010	22	M8 X 20 (10.9)
14	Tine bar	10631011	4	
15	Tine	10630606	24	
16	Bolt	10631012	24	M8 X 55 (8.8)
17	Flange nylon nut	10631013	24	MS
18	Unit bearing	10631014	4	S8X0126LLU
19	Snap ring	10631015	4	12
20	Cam	10631016	1	
21	Nylon bush	10631017	8	
22	Tine plate	10631018	2	
23	Flat head bolt	10631019	4	M8 X 20 (10.9)Hexagon socket
24	Washer	10631020	2	
25	Split pin	10631021	8	5 X 56
26	Washer	10631022	12	35 X 1.2
27	Crop cover	10631023	1	
28	Side cover (right)	10631024	1	
29	Side cover (left)	10631025	1	
30	Grip	10631026	4	M8
31	Snap pin	10631027	2	19X 3
32	Washer	10631028	2	
33	Shackle	10631029	2	01/06/2004
34	Link chain	10631030	1	4 X 23P X 32
35	Shaft	10631031	1	
36	Bolt	10631032	2	M10 X 70 (10.9)
37	Flange nylon nut	10631033	2	M10
38	Plate	10631034	1	
39	Bolt	10631035	2	M8 X 12 (8.8)
40	Grommet	10631036	1	
41	Washer	10631037	2	10
42	Washer	10631038	8	43 X 3.5
43	Spring washer	10630920	28	8
44	Washer	10630902	24	8
45	Nut	10631039	4	M8 (8)
46	Spring washer	10630961	2	10
47	Washer	10631040	4	43 X 2.0

Picking - up sprocket Assy.



Picking - up sprocket Assy.

Sr No.	Discription	Part code	Qty	Remarks
1	Pick- up cover	10631041	1	
2	Grommet	10631036	1	
3	Grip	10631042	3	M8 X 14
4	Unit bearing	10631043	1	CS204LLU
5	Flange	10631044	1	
6	Bi- flange	10631045	1	PFL204
7	Lock plate	10631046	1	
8	Bolt	10631047	4	M10 X 65 (8.8)
9	Spring	10631048	4	8
10	Notch nut	10631049	1	M20 X 1.5 GB9457
11	Bolt with spring washer	10630976	2	M8 X 25 (8.8)
	Spring washer	10630920	2	8
12	Split pin	10631050	1	4 X 25
13	Washer	10631051	1	20
14	Bi- flange	10631052	2	PFL205
15	Bearing	10050286	1	CS205- LLU
16	Bolt	10631053	2	M10 X 20 (8.8)
17	Boss	10631054	1	
18	Bush	10631055	1	
19	Facing plate	10631056	2	
20	Sprocket	10631057	1	RS50 X 18T
21	Sprocket	10631058	1	RS50 X 32T
22	Tension roller	10631059	1	
23	Nut	10631060	1	
24	Collar	10631061	1	
25	Bolt	10631062	1	M10 X 40 (8.8)
26	Washer	10631063	1	12
27	Chain	10631064	2	10A-59X1
28	Bi- flange	10631065	1	PF206
29	Bearing	10050288	3	CS206 LLU
30	Bolt	10630924	1	M10X20(8.8)
31	Bolt	10631066	1	M12X45 (8.8)
32	Lever	10631067	1	
33	Lock plate	10631068	1	
34	Rod	10631069	1	
35	Fork end	10631070	1	10X40
36	Pin	10631071	1	10X40
37	Split pin	10630991	1	3.2X16
38	Bolt	10630944	1	M10X30(8.8)
39	Flange nylon nut	10630990	1	M10
40	Conical Spring washer	10631072	2	10
41	Grip	10631073	1	12
42	Spring:H	10631074	2	
43	Adjust bolt	10631075	2	M(10)
44	Nut	10630917	6	M10(8)
45	Washer10	10631076	1	10
46	Stay (Right)	10631077	1	(Selective)
47	Stay (Right)	10631078	1	(Selective)
48	Cover Shield	10631079	1	(Selective)
49	Snap Pin	10631080	2	M8X1.6 (Selective)
50	Suqare Nut bolt	10631081	4	M8X15 (Selective)
51	Nut	10631039	4	M8 (Selective)
	Spring washer	10630883	4	8
52	Washer	10630992	1	21X1.5
53	Washer	10631037	4	10
54	connecting link	10631082	1	10A
56	connecting link	10631083	1	10A
57	Spring washer	10630918	2	10
58	Spring washer	10631084	2	12
59	Spring washer	10630918	3	10
60	Nut	10630921	1	M12
61	Washer	10630981	1	13X4.5
62	Washer	10631085	1	25X35X1.2
63	Washer	10631028	1	40X25.5X3.5
64	Split pin	10630993	1	3.2X32

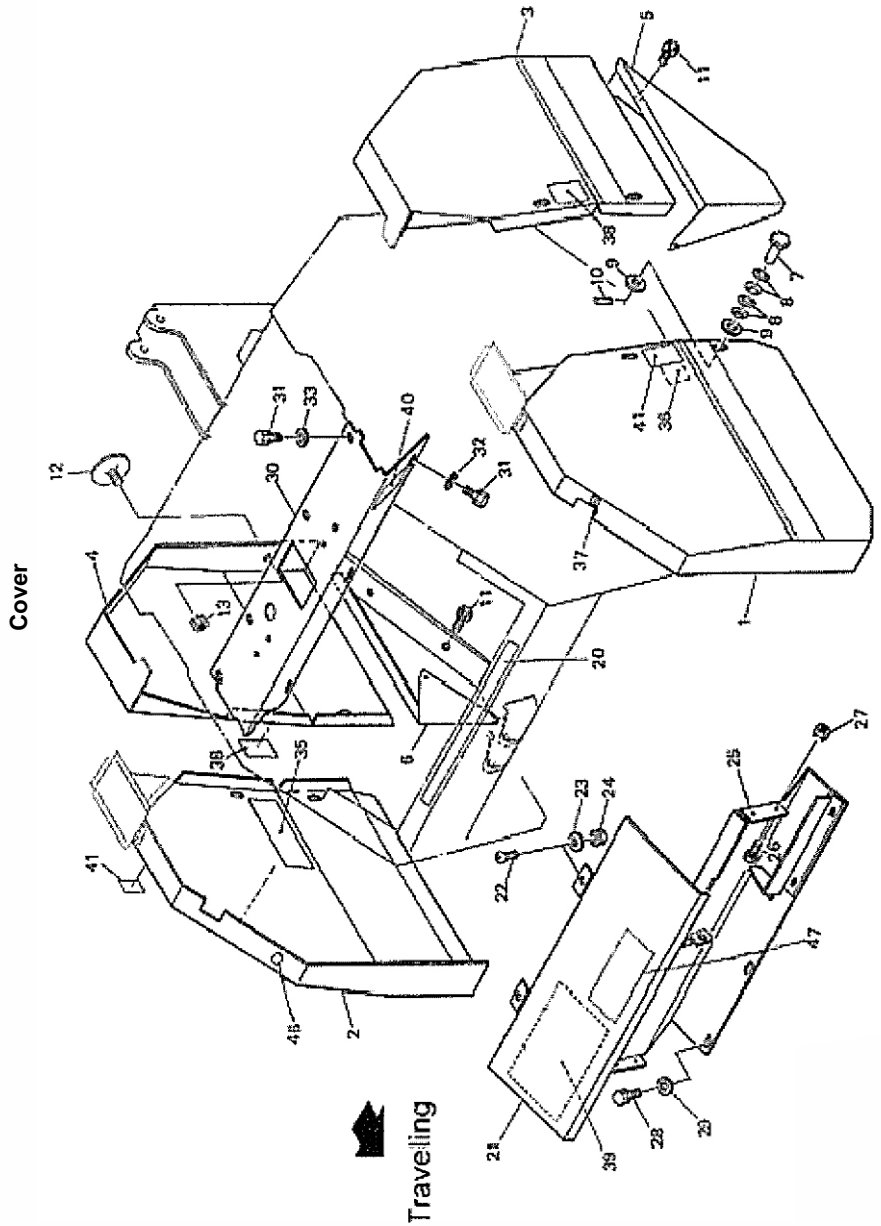


Topper Cover Rod

Topper Cover Rod

Sr No.	Discription	Part code	Qty	Remarks
1	Plate	10631086	1	
2	Bracket	10631087	1	
3	Lever	10631088	2	
4	Bracket	10631089	2	
5	Spring	10631090	2	
6	Rod	10631091	1	With ref. No.21,27
7	Rod	10631092	1	
8	Release Rod	10631093	2	With ref. No.17
9	Nut	10631039	1	M8(4)
	Spring washer	10630883	1	8
10	Coller	10631094	2	
11	Spring washer	10630918	2	10
12	Nut	1063917	2	M10 (8)
13	Stopper (Right)	10631095	1	
14	Stopper (Left)	10631096	1	
15	Bolt	10631097	2	M10X35 (8.8)
16	Bolt	10631004	1	M8X20 (8.8)
17	Nut	10631039	4	M8 (8.8)
18	Split pin	10630993	3	3.2X32
19	Washer	10630992	3	21X1.5
20	Bolt	10630919	2	M8 X 25 (8.8)
21	Washer	10631098	4	M8
22	Bolt	10631099	2	M8 X 75 (8.8)
23	Nylon nut	10631100	2	M8
24	Snap Pin	10631080	1	8X1.6
25	Fork end	10631101	2	8X32
26	Pin	10631102	2	8X32
27	Split pin	10630991	2	3.2 X 16
29	Spring	10631103	2	2.3X18X18
30	Spring (H)	10631104	1	
31	Bolt	10631105	1	M10
32	Nut	10630917	4	M10 (8)
33	Spring washer	10630918	2	M10
34	Mark	10631106	1	
35	Shim	10631107	-	Ø10.5X0.27
36	Bolt	10631097	2	M10X35(8.8)

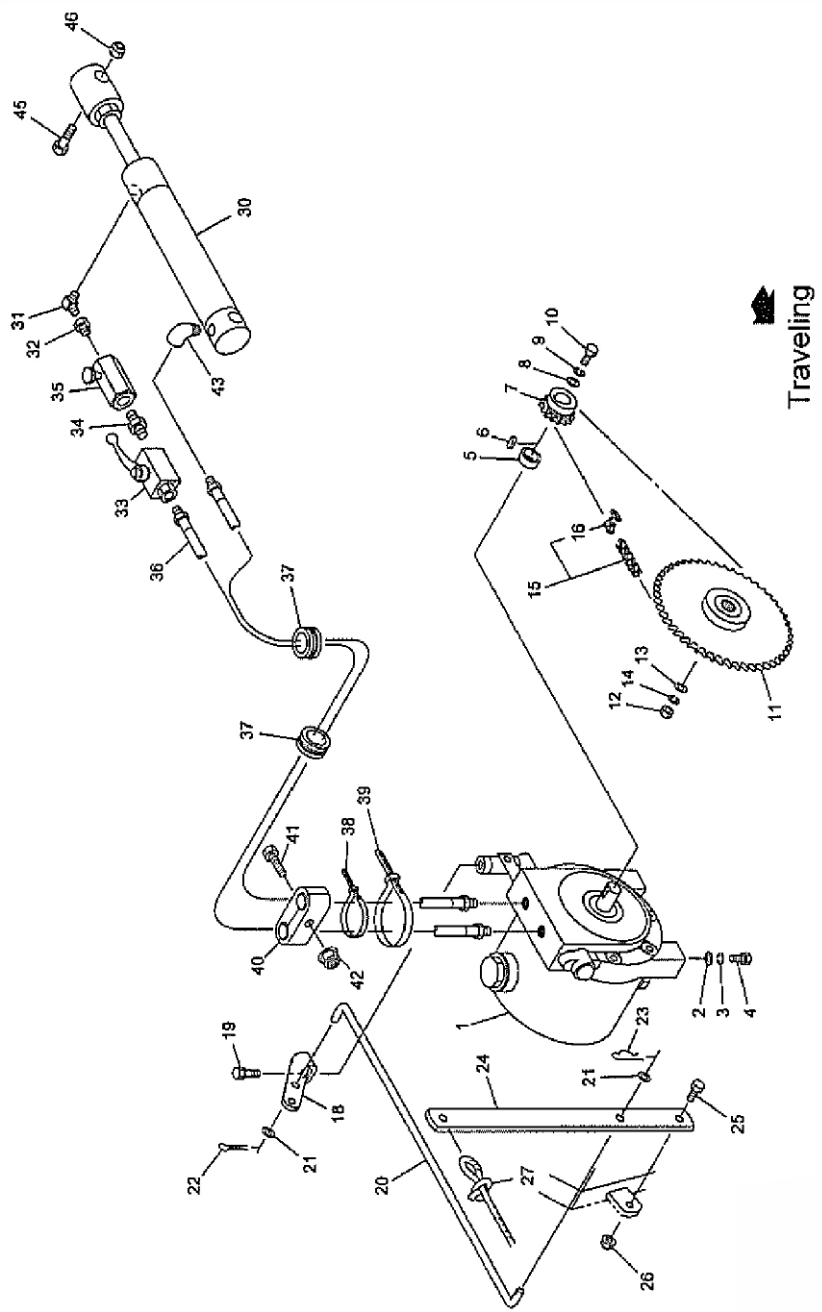
Cover



Cover

Sr No.	Discription	Part code	Qty	Remarks
1	Cover (left)	10631108	1	
2	Cover (right)	10631109	1	
3	Gate cover (left)	10631110	1	
4	Gate cover (right)	10631111	1	
5	Gate cover (left)	10631112	1	
6	Gate cover (right)	10631113	1	
7	Grip	10631114	8	50
8	Coned disc spring	10631115	32	
9	Washer	10631098	16	8
10	Spring pin	10631116	8	4X16
11	Bolt	10630904	4	M8 X 16 (8.8)
	Spring washer	10630883	4	8
12	Reflector	10631117	2	R-80CI with ref. No.13
13	Nut	10631118	2	M5
	Spring washer	10631119	2	5
20	Rubber Magnet	10631120	1	
21	Twin cover	10631121	1	
22	Cross- Recessed Screw	10631122	2	M6x12
23	Washer	10631123	2	6
24	Nut	10630952	2	M6
	Spring washer	10631124	2	6
25	Twin cover (rear)	10631125	1	
26	Bolt	10631004	4	M8X20 (8.8)
27	Nut	10631039	4	M8
28	Bolt	10631004	4	M8X20 (8.8)
	Spring washer	10630883	8	8
29	Washer	10631098	4	8
30	Top cover	10631126	1	
31	Bolt	10631004	8	M8X20 (8.8)
	Spring washer	10630883	8	8
32	Washer	10631127	4	8
33	Washer	10630902	4	8
35	Label :11	10631128	1	
36	Label :10	10631129	1	
37	Label :8	10631130	1	
38	Label :3	10631131	2	Warning71
39	Mark	10631132	1	Handling
40	Label :2	10631133	1	Warning82
41	Label :1	10631134	2	Warning84
46	Mark	10631135	1	
47	Label :4	10631136	1	

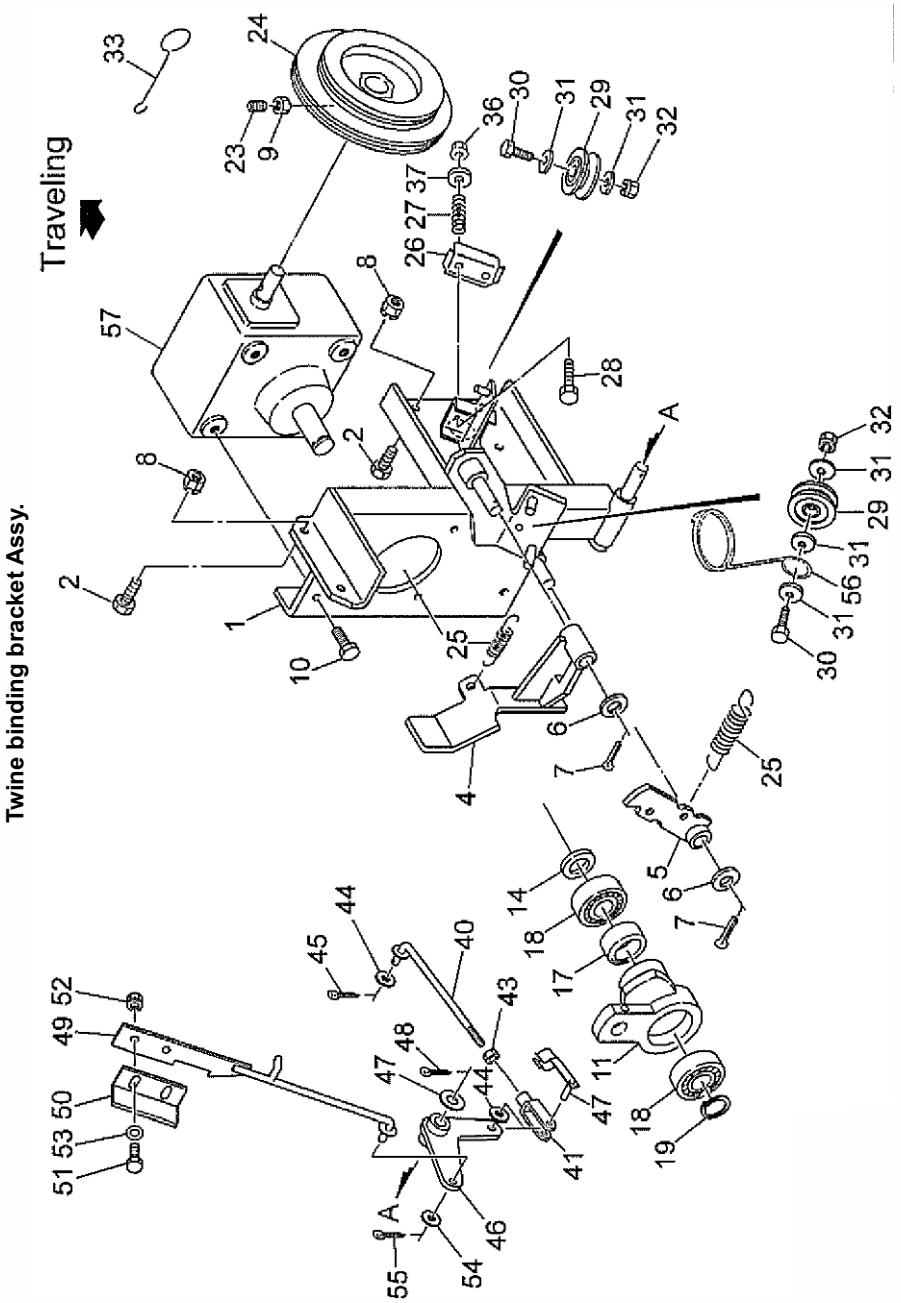
Hydraulic pumps assy.



Hydraulic pumps assy.

Sr No.	Discription	Part code	Qty	Remarks
1	Power package	10631137	1	95R
2	Washer	10631138	2	10
3	Spring washer	10630918	2	M10
4	Bolt	10630943	2	M10X25(8.8)
5	Collar	10631139	1	14x6
6	Key	10631140	1	5 x 5 x 20
7	Sprocket	10631141	1	40 X 9T
8	Washer	10631142	1	6
9	Spring washer	10631124	1	6
10	Bolt	10631143	1	M6 x 16 (8.8)
11	Sprocket	10631144	1	40x43T
12	Nut	10630921	1	M12(8)
13	Washer	10630981	1	13 x 4.5
14	Spring washer	10631084	1	M12
15	Roller chain	10631145	1	40x56L
16	Connecting link	10631146	1	40
18	Lever	10631147	1	
19	Bolt	10630904	1	M8 X 16 (8.8)
	Spring washer	10630883	1	8
20	Rod	10631148	1	
21	Washer	10631127	2	8
22	Split pin	10630991	1	3.2 X 16
23	Snap Pin	10631080	1	8X1.6
24	Lever	10631149	1	
25	Bolt	10630919	1	M8 x 25
26	Flange nylon nut	10631013	1	M8
27	Rope	10631150	1	
0	Cylinder	10631151	1	CSH35 X 210 X 375
31	Hose elbow	10631152	1	G1/4 X R1/4
32	Hose swibel-male	10631153	1	G1/4 X R1/4
33	Stop valve	10631154	1	(1/4)
34	Nipple	10631155	1	PT 1/4
35	Valve	10631156	1	(1/4)
36	Oil pressure hose	10631157	2	1/4 X 1000 S1-S902
37	Groomet	10631158	2	Ø35
38	Band	10631159	3	2.5 X 100
39	Band	10631160	2	4.8 x 251
43	Hose swibel-male	10631153	4	G1/4 X R1/4
44	Elbow	10631161	2	G1/4
45	Bolt	10631162	2	M16 x 80(4.6)
46	Nylon nut	10631163	2	M6

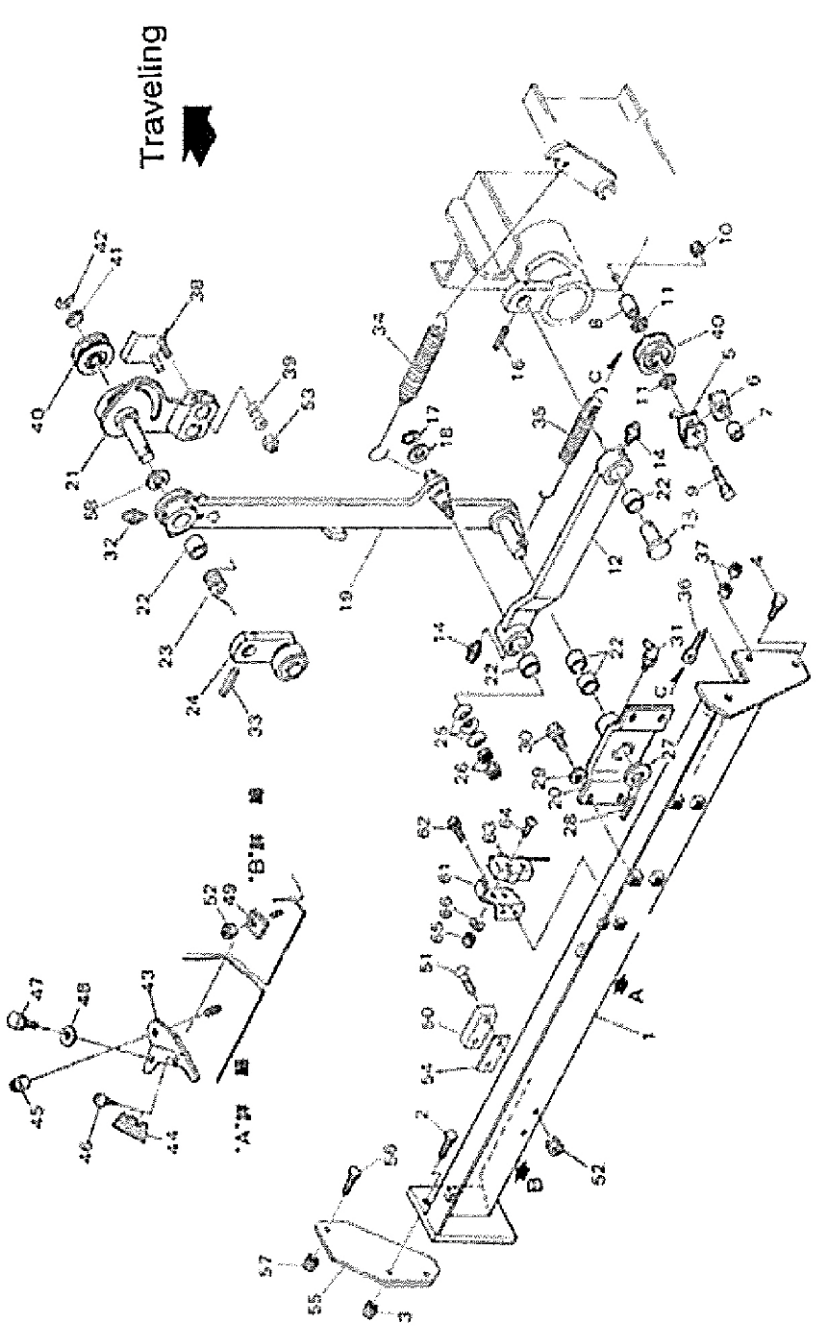
Twine binding bracket Assy.



Twine binding bracket Assy.

Sr No.	Discription	Part code	Qty	Remarks
1	Binding binding (1)	10631164	1	
2	Bolt	10631004	5	M8 x 20(8.8)
4	Latch	10631165	1	
5	Clutch bar	10631166	1	
6	Washer	10631167	2	12
7	Split pin	10630991	2	3.2x16
8	Nut	10631039	5	M8
	Spring washer	10630883	5	8
9	Nut	10631039	1	M8 (8)
10	Bolt	10631004	4	M8 x 20(8.8)
	Spring washer	10630883	4	8
11	Arm	10631168	1	
14	Coller	10631169	1	
17	One-way clutch	10631170	1	HF2520
18	Bearing	10631171	2	6005LLU
19	Snap ring	10630942	1	25
23	Set screw	10631172	1	M8 x 20(10.9)
24	Twine Pulley	10631173	1	
25	Spring (H)	10631174	2	
26	Tension plate	10631175	1	
27	Spring	10631176	2	
28	Bolt	10631177	2	M6x50(8.8)
29	Guide Roll	10631178	2	
30	Bolt	10631179	2	M8x30(8.8)
31	Washer	10631127	5	8
32	Nut	10631039	2	
	Spring washer	10630883	2	M6
33	Twine threader	10631180	1	
36	Nylon nut	10631181	2	8X32
40	Rod	10631182	1	8X32
41	Fork end	10631101	1	M8(8)
42	Pin	10631102	1	8
43	Nut	10631039	1	3.2x16
44	Washer	10631127	2	
45	Split pin	10630991	1	M12
46	Link0	10631188	1	3.2x16
47	Washer	10631167	1	
48	Split pin	10630991	1	
49	Control bar	10631183	1	
50	Angle	10631184	1	
51	Bolt	10631185	2	M6x20 (8.8)
52	Nut	10630952	2	M6
	Spring washer	10631124	2	6
53	washer	10631123	2	6
54	washer	10631098	1	8
55	Split pin	10630991	1	3.2x16
56	Twine Guide	10631186	1	
57	Worm Box AS	10631187	1	

Twine binding support Assy.



Sr No.	Discription	Part code	Qty	Remarks
1	Binding binding (2)	10631189	1	
2	Bolt	10631004	2	M8 x 20(8.8)
3	Nut	10631039	2	M8
4	Bolt	10631004	2	M8 x 20(8.8)
	Spring washer	10630883	4	8
5	Cushion base	10631190	1	
6	Cushion rubber	10631191	1	
7	Coller	10631192	1	
8	Coller	10631193	1	
9	Bolt	10631194	1	M8 x 80 (8.8)
10	Nut	10631039	1	M8
	Spring washer	10630883	1	8
11	washer	10631127	2	8
12	Crank bar	10631195	1	
13	Pin	10631196	1	
14	Grease Nipple	10631197	2	A-M6
16	Spring pin	10631198	1	6 x 36
17	Snap ring	10631199	1	15
18	Washer	10631200	1	17 X 1.5
19	Arm (1)	10631201	1	
20	Arm support	10631202	1	
21	Arm (2)	10631203	1	
22	Bush	10631204	5	
23	Spring	10631205	1	
24	Arm (3)	10631206	1	
25	Coned disc spring	10631115	3	
26	Nut	10631039	2	M8 (8)
27	Washer	10631200	1	17 X 1.5
28	Spring pin	10631207	1	5 x 32
29	Washer	10630902	4	8
30	Bolt	10631004	4	M8 x 20(8.8)
	Spring washer	10630883	4	8
31	Grease nipple	10631208	1	B-M6
32	Grease nipple	10631209	1	A-M6
33	Spring pin	10631198	1	6 x 36
34	Spring (H)	10631210	1	
35	Spring (H)	10631211	1	
36	Bolt	10631212	1	M8
37	Nut	10631039	2	M8 (8)
38	Tension plate	10631213	1	
39	Spring (A)	10631214	1	
40	Guide Roll	10631178	2	
41	Washer	10631098	1	8
42	Snap ring	10631215	1	5
43	Knife plate	10631216	1	
44	Knife	10630608	1	
45	Flange nylon nut	10631217	1	M8
46	Tapping screw	10631218	1	A 3 X 6
47	Bolt	10631004	1	M8 x 20(8.8)
	Spring washer	10630883	1	8
48	Washer	10631098	1	8
49	Cushion rubber	10631219	1	
50	Resin plate	10631220	1	
51	Cross socket flat head bolt	10631221	2	M8 x 35(10.9)
52	Flange nylon nut	10631217	3	M8
53	Flange nylon nut	10631222	1	M6
54	Shim	10631223	1	
55	Spacer	10631224	1	
56	Bolt	10630904	1	M8 X 16 (8.8)
57	Nut	10631039	1	M8(8)
	Spring washer	10630883	1	8
58	Washer	10631225	1	16
61	Angle	10631226	1	
62	Bolt	10631004	2	M8 x 20(8.8)
	Spring washer	10630883	2	8
63	Switch	10631227	1	
64	Cross- Recessed Screw	10631228	2	M4 x 30
65	Nut	10631229	2	M4
	Spring washer	10631230	2	4
66	Washer	10631231	2	M4

DELIVERY CHECKLIST

Dealer Pre-Delivery (Please Tick)

1. Dealer Pre-Delivery Checklist

1. The customer or person responsible has been given the operator's manual.
2. The customer undertakes to read the complete operator's manual and understands all aspects of the manual before operation of the machine.
3. All safety, operational and maintenance information have been explained and demonstrated.
4. All greasing and oil points, stickers, guarding and ID plate have been identified and physically pointed out.
5. The customer agrees that it is his responsibility to read and carry out the safety, maintenance and operation as per this operator's manual.

Please Complete all Dealer information Below

Dealer Information

Dealer's Name.....

Address.....

.....

State..... Postcode.....

Phone..... Fax.....

Email.....

Service Person.....

I confirm that the pre-delivery service was performed on this machine.

Signature.....

Date.....

Comments.....

.....

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Customer Delivery (Please Tick)

2. Customer Delivery Checklist

1. The customer or person responsible has been given the operator's manual.
2. The customer undertakes to read the complete operator's manual and understands all aspects of the manual before operation of the machine.
3. All safety, operational and maintenance information have been explained and demonstrated.
4. All greasing and oil points, stickers, guarding and ID plate have been identified and physically pointed out.
5. The customer agrees that it is his responsibility to read and carry out the safety, maintenance and operation as per this operator's manual.

Please Complete all Customer Information Below

Customer Information

Customer's Name.....

Address.....

.....

State..... Postcode.....

Phone..... Fax.....

Email.....

Delivery Person.....

I confirm that all of the delivery checks were explained and performed.

Signature.....

Delivery Date.....

Comments.....

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FIELDKING

WARRANTY CARD

Customer Copy

CUSTOMER NAME Mr./ Mrs	:	
ADDRESS	:	
MOBILE NO.	:	
Email	:	
NAME OF IMPLEMENT	:	
MODEL NO.	:	
YEAR OF Mfg.	:	
SERIAL NO.	:	
REGISTRATION NO.	:	
DATE OF PURCHASING	:	
NAME OF DEALER	:	

Customer`s Signature

Dealer`s Signature

Beri Udyog Pvt. Ltd.

Corporate Office : Plot No. 235-236 & 238-240, Sec-3, HSIIDC,
Karnal- 132001 (Haryana), India +91-184-2221571/ 72/ 73 +91-92540-16570
marketing@fieldking.com, exports@fieldking.com, www.fieldking.com

FIELDKING

WARRANTY CARD

Company Copy

CUSTOMER NAME Mr./ Mrs	:	
ADDRESS	:	
MOBILE NO.	:	
Email	:	
NAME OF IMPLEMENT	:	
MODEL NO.	:	
YEAR OF Mfg.	:	
SERIAL NO.	:	
REGISTRATION NO.	:	
DATE OF PURCHASING	:	
NAME OF DEALER	:	

Customer`s Signature

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WARRANTY CARD

Dealer Copy

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MOBILE NO.	:	
Email	:	
NAME OF IMPLEMENT	:	
MODEL NO.	:	
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