



**Operator Manual cum
Parts Catalogue for
KMW MEGA T 15 Range
KMW MEGA T 12 Range**

MEGA T
Revolutionary Farm Machine

FOREWORD

KIRLOSKAR OIL ENGINES, LIMITED (KOEL) congratulates you for becoming a prestigious customer of KOEL by purchasing the MEGA T.

Read, Understand and follow all instructions on the machine and in the manual before attempting to operate.

The Operator Manual covers important usage instructions & guidelines on machine operating procedures, safety instructions, warranty policy, Dos and Don'ts, troubleshooting, periodic service maintenance schedule and Parts catalogue.

Register your product warranty by submitting duly filled warranty registration Card to KOEL dealer. We are providing three labours free Services, in first year of purchase, requested to utilize our services according to the service maintenance schedule mentioned in the operator manual.

This Manual Cover's all variants of Mega T Series of 15 & 12 HP Power Tiller's Produced by KMW. Please refer relevant details only applicable for your Machine.



Owners Manual

MEGA T
Revolutionary Farm Machine

Farm Mechanisation Business Unit

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1. MEGA T Warranty Period and Warranty Policy Guide Lines

1.1 Warranty Period

Sl. No.	Product	Warranty Coverage
1	Machine (Engine, Transmission)	12 months from Date of Sale to First Purchaser
2	Proprietary parts, Like: Fuel Injection Pump, Fuel Injector, Tyre, Battery, Alternator & Starter Motor etc.	Warranties for Proprietary parts are subject to respective manufactures as per their warranty policy and guidelines.
3	Accessories / Implements	Will not be covered

1.2 Warranty Policy Guide Lines

1. The warranty period shall start from the date of purchase of product and applicable to the first purchaser on receipt of the warranty Registration Card.
2. The warranty only covers the manufacturing defect or defective part within the specified warranty timeframe only.
3. The warranty will cease if Service maintenance is not carried out as per periodical maintenance schedule.
4. Warranty voids if KOEL genuine parts or approved blades are not used on machine during periodical maintenance.
5. The warranty will not cover for normal wear & tear of parts such as brake lining, clutch plate, drive belt, rubber parts, plastic parts, electrical parts.
6. Under warranty period, only repair or replacement of defective parts will be considered, replacement of the machine is not warranted.
7. Warranty is not transferable to the second and subsequent owners.
8. The warranty ceases if the machine is serviced or repaired by unauthorized persons or at any Local workshop.
9. The warranty will not cover for any accidental damage, fire, collision, improper usage, tampering, customer abuse and external modifications/fabrications done by the customer.

KOEL reserves the right to refuse warranty if the product was found not to be carried periodical maintenance & installed as per our installation instructions.

2. WARRANTY REGISTRATION CARD / Sales Intimation Card

Mega - T Details						
Model		Invoice No.		Invoice Date		
Engine No.						
Frame No. Battery make & No. Alternator make & No. Starter motor make & No.		Warranty Start Date		Warranty End Date		
Please mark <input checked="" type="checkbox"/> the machine is using for. List Of Accessories/ Attachments	Cage Wheel <input type="checkbox"/>	Power Plough <input type="checkbox"/>	Cultivator <input type="checkbox"/>			
	Disc Harrow <input type="checkbox"/>	Trailer/water tanker <input type="checkbox"/>	Rototiller <input type="checkbox"/>			
	M.B. Plough <input type="checkbox"/>	Sprayer (Gun Type), (Boom Type) <input type="checkbox"/> <input type="checkbox"/>	Stone Cutter <input type="checkbox"/>			
	Ridger <input type="checkbox"/>	Water Pump <input type="checkbox"/>	Reaper <input type="checkbox"/>			
	Potato Digger <input type="checkbox"/>	Potato Planter <input type="checkbox"/>	Mini Loader <input type="checkbox"/>			
	Sugar Cane Planter <input type="checkbox"/>	Seed Dryer <input type="checkbox"/>	Multicrop Thresher <input type="checkbox"/>			
	Hopper <input type="checkbox"/>	Generator <input type="checkbox"/>	Seed cum Fertiliser drill <input type="checkbox"/>			
The Mega - T and accessories have been handed over to the Customer in good condition after pre-delivery inspection, training and service.						
Use of Mega – T	Farm Use (Rotavation)			Other Use		
	Puddling <input type="checkbox"/>	Sowing <input type="checkbox"/>	Pumping Water <input type="checkbox"/>	Stone Cutting <input type="checkbox"/>		
	Inter culture <input type="checkbox"/>	Harvesting <input type="checkbox"/>	Spraying <input type="checkbox"/>	Haulage <input type="checkbox"/>		
Customer Details						
Name						
Village		PIN				
		District				
City						
State		Country				
Mobile / mail ID					Date of Birth	
Customer Signature (I acknowledge that I have read, understood and I accept the warranty policy and terms.)				Dealer's Seal & Signature		

• Dealer has to maintain the photo copy of the WRC

(Company Copy)

KIRLOSKAR OIL ENGINES LIMITED

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3. Technical Specifications

Mega T Specifications	
Model Name- For Agri Use Only (Not for Road Use)	Mega T 15
Brand Name	KMW
Engine	
Model	P1000
Emission Compliance	TREM III Compliant
No. of Cylinder	One
Type	Single Cylinder Horizontal
	Water-cooled 4 cycle diesel engine
Rated Power Output Kw/(PS)	10.3 (14)
Production Tolerance	±5%
Rated RPM	2000
High Idle RPM	2200
Low Idle RPM	850 ±50
Bore x Stroke (mm)	105 x 115
Displacement (cc)	996
Compression Ratio	18:1
Specific Fuel Consumption (g/Kw-hr)	248
Max Torque (N-m)	60 ±5%
Max Torque RPM	1300 ±100
Type of Cooling	Water cooled
Engine Oil	SAE15W40 CF4
Engine Oil sump capacity (Ltrs)	3.2
Air Cleaner	Oil Bath Type
Fuel Tank Capacity (Ltrs)	14.4
Method Of Starting	Hand Start
Dry Weight (Kg)	138
Transmission	
Make	KOEL Make
No. of Gears	6 Forward + 2 Reverse
Speed Chart (Kmph)	
Low Range	
1 st	1.45
2 nd	2.59
3 rd	4.21
Rev	1.05
High Range	
1 st	5.45
2 nd	9.77
3 rd	15.88
Rev	3.97
Gearbox Oil	SAE80W90
Gearbox Oil Capacity (Ltrs)	7.5
Chain Casing Oil	SAE80W90
Chain Casing Oil Capacity (Ltrs)	0.8 - OFV / OFVW MODEL 0.5 - SCC / SLSC MODEL
Type of Grease	Servo Grease MP3
Tail wheel Hub	Grease Filled
Type of Grease	Servo Grease MP3

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Technical Specifications

Main Clutch	
Make	KOEL Make
Type	Multiple Clutch
Clutch Lining material	Cerametallic
Clutch Plate Dia (mm)	160
Method of operation	Hand operated lever
Brake	
Transmission Brake	Internal Expanding Shoe type
Actuation Method	Hydraulically actuated
	Hand operated on RH side
Parking Brake	Internal Expanding Ring Type
Actuation Method	Mechanical Link
	Actuated by clutch brake lever
Steering	
Method	Independent Dog Clutch for each wheel
Actuation	By lever provided on handle
Rotary Tiller	
No. of Blades	20
Type of Blades	Hatchet blade & Straight blade
Side Chain Drive	Side Chain Drive
Rotor Shaft	Removable
Bearing Sealing	Special Multi lip seal
Rotor Speeds:	
By range selection (Rotor low and rotor high)	183 RPM and 304 RPM
By sprocket interchanging (14T driving and 12T driven)	248 RPM and 414 RPM
Electricals	
Headlamp for OFV version	35W / 35W
For CMVR Version	Confirming to CMVR norms
Overall	
Dimensions (mm)	
Length (with seating attachment)	2950
Width	950
Height	1300 (with tail wheel fitted)
Tyres	
Drive Tyres	6.00-12 (6 ply)- Traction Type
Tail Wheel	4.00-8 (6 ply) Non Traction Type
Recommended Air Pressure	
For Field	1.6 Kgf/cm ²
For Road	2.0 Kgf/cm ²
Track Width	
Standard Supply Condition	840 mm
Track Width	Adjustable
Method of Track Adjustment	By wheel rim positions
	By axle hub adjustments
	With Extensions
Standard Accessories	
Farmer Kit**	As per requirement

3a. Technical Specifications

Mega T Specifications	
Brand Name	"MEGA-T12"
Engine	
Make	KOEL (Kirloskar Oil Engines Ltd.)
Model	P1000 T1
Emission Compliance	TREM III Compliant
No. of Cylinder	One
Type	Single Cylinder, Horizontal, Water-cooled, 4 cycle diesel engine
Rated Power Output	8.83 KW (12 PS)
Production Tolerance	± 5%
Rated RPM	1800
High Idle RPM	2041
Low Idle RPM	850 ± 50
Bore x Stroke (mm)	105 mm x 115 mm
Displacement (cc)	996
Compression Ratio	18:01
Specific Fuel Consumption (g/Hp-hr)	265 gm/KwHr
Max Torque	62 ± 5% Nm
Max Torque RPM	1200 ± 200
Type of Cooling	Water cooled
Engine oil	SAE15W40 CF4
Engine oil sump capacity (L)	3.2 Lits
Air cleaner	Oil Bath Type
Fuel Tank Capacity (L)	14.4 Lits
Method of Starting	Hand start
Dry Weight	138 kg
Transmission	
Make	KOEL (Kirloskar Oil Engines Ltd.)
No. of Gears	6 Forward + 2 Reverse
Speed Chart (kmph)	
Low Range	
1st	1.51
2nd	2.70
3rd	4.39
Rev	1.1
High Range	
1st	5.68
2nd	10.18
3rd	16.54
Rev	4.13
Gear box oil	SAE80W90
Gear box oil capacity (L)	7.5 Liters
Chain Casing Oil	SAE80W90
Chain Casing oil capacity (L)	0.75 Liters
LH Support housing	Grease filled
Tail wheel Hub	NA
Type of Grease	General Purpose Grease

Technical Specifications

Main Clutch	
Type	Multiplate clutch
Clutch lining material	Organic
Clutch plate dia	160 mm
Method of operation	Hand operated lever
Brake	
Transmission Brake	NA
Actuation Method	NA
Parking Brake	Provided on transmission
Actuation Method	Lever combined with Clutch actuating lever (by pulling towards rearmost position on the quadrant)
Steering	
Method	Independent jaw clutch for each wheel
Actuation	By levers provided on the handle.
Rotary Tiller	
No. of blades	22
Type of blades	Hatchet Blade & Straight blade
Side chain drive	Chain drive
Rotor Shaft	Removable
Bearing Sealing	Special Multi lip seal
Rotor speeds :	
By Range Selection (Rotor Low & Rotor High)	190 RPM & 316 RPM
By Sprocket interchanging (14 T Driving & 12 T Driven)	259 RPM & 431 RPM
Electricals	
Head Lamp	35 W /35 W
Overall	
Dimensions	
Length (without seating attachment)	2600 mm
Width	950 mm
Height	1300 mm (with tail wheel Fitted)
Weight	
Without rotary tiller	430 Kg
With rotary tiller	550 Kg
With rotary tiller & seating attachment	NA
Tyres	
Drive Tyres	6.00 -12 (4 ply)- Traction Type
Tail Wheel	soild wheel Non traction type
Recommended air pressure	
For Field	1.4 kgf/cm ²
For Road	2.0 kgf/cm ²
Track Width	
Standard supply condition	840 mm
Track width	Adjustable
Standard Accessories	
Farmer Kit**	As per requirement

3b. Technical Specifications

Mega T Specifications	
Model Name- For Agri Use Only (Not for Road Use)	Mega T 15 DLX
Brand Name	KMW
Engine	
Model	P1000
Emission Compliance	TREM III Compliant
No. of Cylinder	One
Type	Single Cylinder Horizontal
	Water-cooled 4 cycle diesel engine
Rated Power Output Kw/(PS)	10.3 (14)
Production Tolerance	±5%
Rated RPM	2000
High Idle RPM	2200
Low Idle RPM	850 ±50
Bore x Stroke (mm)	105 x 115
Displacement (cc)	996
Compression Ratio	18:1
Specific Fuel Consumption (g/Kw-hr)	248
Max Torque (N-m)	60 ±5%
Max Torque RPM	1300 ±100
Type of Cooling	Water cooled
Engine Oil	SAE15W40 CF4
Engine Oil sump capacity (Ltrs)	3.2
Air Cleaner	Oil Bath Type
Fuel Tank Capacity (Ltrs)	11
Method Of Starting	Electric Start / Hand Start
Dry Weight (Kg)	138
Transmission	
Make	KOEL Make
No. of Gears	6 Forward + 2 Reverse
Speed Chart (Kmph)	
Low Range	
1 st	1.45
2 nd	2.59
3 rd	4.21
Rev	1.05
High Range	
1 st	5.45
2 nd	9.77
3 rd	15.88
Rev	3.97
Gearbox Oil	SAE80W90
Gearbox Oil Capacity (Ltrs)	7.5
Chain Casing Oil	SAE80W90
Chain Casing Oil Capacity (Ltrs)	0.50
Type of Grease	Servo Grease MP3
Tail wheel Hub	Grease Filled

KIRLOSKAR OIL ENGINES LIMITED

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Technical Specifications

Main Clutch	
Make	KOEL Make
Type	Multiple Clutch
Clutch Lining material	Cerametallic
Clutch Plate Dia (mm)	160
Method of operation	Hand Operated Lever
Brake	
Transmission Brake	Internal Expanding Shoe type
Actuation Method	Hydraulically actuated
	Hand operated on RH side
Parking Brake	Internal Expanding Ring Type
Actuation Method	Mechanical Link
	Actuated by clutch brake lever
Steering	
Method	Independent Dog Clutch for each wheel
Actuation	By lever provided on handle
Rotary Tiller	
No. of Blades	22
Type of blades	Hatchet blade & Straight blade
Side Chain Drive	Side Chain Drive
Rotor Shaft	Removable
Bearing Sealing	Special Multi lip seal
Rotor Speeds:	
By range selection (Rotor low and rotor high)	183 RPM and 304 RPM
By sprocket interchanging (14T driving and 12T driven)	248 RPM and 414 RPM
Electricals	
System voltage, (V)	12V
Terminal earthed	Negative
Headlamp	12V, 35W / 35W
Battery	
Type	65D26L
- Number(s)	One
Capacity and rating	12V, 60Ah at 20 hrs discharge rate
Starter Motor	
Starter type	RF78 M45
Rating & power	12V, 2.5KW (Solenoid engaged)
Alternator	
Type	12V, Inbuilt regulator
Capacity and rating	12 Volt, 35 Amp
Hour meter	
Operating Voltage	4 - 36 VAC
Indicates operating time in hours based on (Radiator Fan Assembly)Magneto electrical signal	Indicates operating time in hours based on (Radiator Fan Assembly) Magneto electrical signal
Battery Charging Indicator lamp	12V, 2.0 Watt
Starter Relay	12V 70 Amp

Technical Specifications

Overall	
Dimensions (mm)	
Length (with seating attachment)	2950
Width	950
Height	1300 (with tail wheel fitted)
Tyres	
Drive Tyres	6.00-12 (6 ply) Traction Type
Tail Wheel	4.00-8 (6 ply) Non Traction Type
Recommended Air Pressure	
For Field	1.6 Kg/cm ²
For Road	2.0 Kg/cm ²
Track Width	
Standard Supply Condition	840 mm
Track Width	Adjustable
Method of Track Adjustment	By wheel rim positions
	By axle hub adjustments
	With Extensions
Standard Accessories	
Farmer Kit**	As per requirement

4. Safety

4.1 Safety Precautions of MEGA T

1. Read and follow the owner's manual and safety instructions carefully before operating.
2. Don't allow children to use the machine.
3. The operating controls, such as steering handle, gear-levers, foot rests, and switches, shall be arranged and fitted in such a way as to allow safe and easy control and handling by an operator in the normal operating position.
4. Relative location of hand controls which determine the position of the operator, relative to the Mega T, and location of working parts of Mega T designed to prevent accidental contact of operator with such moving parts (Dangerous parts).
5. In general all moving parts shall be treated as dangerous;
Particular attention is drawn to the following points:
 - All shafts (including joints, shaft ends), pulleys, flywheels, gearing (including friction roller mechanisms), cables, sprockets, belts, chains, clutches, couplings and all blades or blades of fan.

4.2 DOs

Training

1. Read, Understand and follow all instructions on the machine and in the manual before attempting to operate. Keep this manual in a safe place for future and regular reference and for ordering replacement for parts.
2. Be familiar with all controls and their proper operations, know how to stop the machine and disengage them quickly.

A. General - Operator should:

- a) Be in good health, sound mind and be not under the influence of any sort of intoxicants;
- b) Be adequately trained on Mega T, and when required;
- c) Obtain and read the operator's manual before using the power Mega T for the first time; and when required.
- d) Wear suitable footwear and comfortable clothing.

B. Before Starting Mega T - Operator should:

- a) Inspect the machine and make certain that it is properly adjusted and in good working condition;
- b) Keep all controls in neutral before starting.
- c) Ensure that engaging surfaces of starting handle are in good condition, and handle can disengage without effort for safe starting.
- d) Adjust height of rotor to avoid its contact with ground while starting.

C. Field Operation - Operator should:

- a) Achieve weight balance of Mega T by adding the manufacturer's recommended ballast for the attachment before starting operations.
- b) Be careful not to over lift the rotary device during the operation in wet fields.
- c) Ensure handles and grips are free of mud and grease before operation.
- d) Don't change gear or suddenly press one of the side clutches or brakes which can cause the Mega T to swing to either side or lift upwards during operation. This may bring rotary device dangerously close to the operator's feet or cause him to lose control.
- e) Maintain rubber fender plate at rear of rotor in good condition, as it protects the operator from stones and mud thrown up by rotary blades.
- f) See that rear float or depth wheel is in good condition and locked firmly in place before the start of the operation. Sudden lift of wheel can cause accident to the operator.
- g) Don't take the Mega T in reverse when going up/down slope.
- h) Ensure that control linkages are in good condition and control levers are operating smoothly before start of operation.
- j) Avoid using steering lever LH/RH and ensure disengagement of rotor when moving up or down slopes or crossing bunds.

D. Travelling with Trailer - Operator should:

- a) Check if trailer brakes are operating in satisfactory condition before starting.
- b) Take care not to apply steering lever LH/RH while driving up or down a slope with trailer. This will cause Mega T to swing in the opposite direction.
- c) Turn trailer at low speed as the application of side turn at high speed can cause the Mega T to swing around and operator to lose control.
- d) Ensure that no other person is allowed to sit with him on the driving seat as he requires space to maintain the Mega T during turning. No person shall be allowed to move or stand dangerously during movement of the trailer;
- e) Ensure that rated load of trailer is not exceeded.
- f) Apply trailer brakes before applying the Mega T brakes**

Note: Disengage the tiller tine drive, and raise the tines during transportation of Mega T.

E. Maintenance & Storage - Operator should:

- a) Only use genuine spare parts/accessories approved by Mega T.
- b) Check the engine oil, transmission oil, chain transmission oil, coolant level before use of the machine.
- c) Check the tyre pressure.
- d) Clear the work area of objects that might jam or wrap around the tines such as glass, large sticks, stones, metal objects, wire, rope, and string-like materials.
- e) Keep machine, attachment and accessories in safe working order.

- f) Apply Grease/Oil to all links, pins and rivets.
- g) Wash and clean the machine periodically.
- h) Check Tyre pressure after 15 days.
- i) Keep Machine in level platform.

4.3 Don'ts

1. Do not operate the Mega T on road / highway.
2. Don't operate the Mega T without any Demonstration training.
3. Do not operate both clutch – brake lever and steering controls together during the start of the engine.
4. Do not operate if you found any leakage of Fuel or lubricants.
5. Do not allow Mega T to go forward on a slope in neutral position;
6. Do not operate Mega T, on greater slopes or on any excessive steep slope by operating both steering levers.
7. Never make a sudden turn at high speed. Never drive the Mega T at high speed in rough road.
8. Never place your hands, feet, or any part of your body near or under any moving part while the Mega T engine is running.
9. Do not touch the muffler and engine when the machine is in use.
10. Do not use this machine around large roots and surface rocks.
11. Do not use this machine around underground pipes and wiring.
12. Do not use machine when fuel leakage is observed near FIP, Injector and Fuel lines Never operate near drop-offs, ditches, or edges; wet, or slippery slopes.
13. Never park the tow vehicle on a steep grade or slope.
14. Do not operate the machine without good visibility.
15. Do not use the reverse gear for any field applications.
16. Do not tamper with any safety devices or fittings.
17. Do not use unapproved attachments.
18. Don't use non recommended blades.
19. Disengage clutch before shifting gear
20. Ensure gears are aligned properly during shifting and if not release clutch to align the gear.

4.4 Recognize Decals Informations

An important the safety incorporated into MEGA T is the warning and information decals found in various parts of the machine.

Safety Decal

Location of Decal

1. Location: On Silencer



2. Location of Decal: On LHS OF Upper Cover Plate Rototiller (LHS from Driver Seat)



3. Location of Decal: On Steering Mounting Cover



4. Location of Decal: On LHS OF Upper Cover Plate Rototiller (LHS from Driver Seat)



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5. Location of Decal: On RHS OF Upper Cover Plate Rototiller (RHS from Driver Seat)



6. Location of Decal: On Upper Cover Plate Rototiller, below HI-Low lever



7. Location of Decal: On Air Filter and On Engine Timing Gear Casing



8. Location of Decal: Inside the bonnet cover

LUBRICANT CHART			
LUBRICANTS	SPECIFICATION	QTY.	REPLACEMENT*
ENGINE OIL	SAE 15W40 CF4	3.2L	150HRS. OR 5MONTHS
GEAR BOX OIL	SAE 80W90 GL4	7.5L	300HRS. OR 10MONTHS
CHAIN CASING OIL	SAE 80W90 GL4	0.5L	300HRS. OR 10MONTHS
GREASE	GENERAL PURPOSE	—	50HRS. OR 1MONTH
*NOTE :- HRS. OR MONTHS WHICHEVER IS EARLIER.			

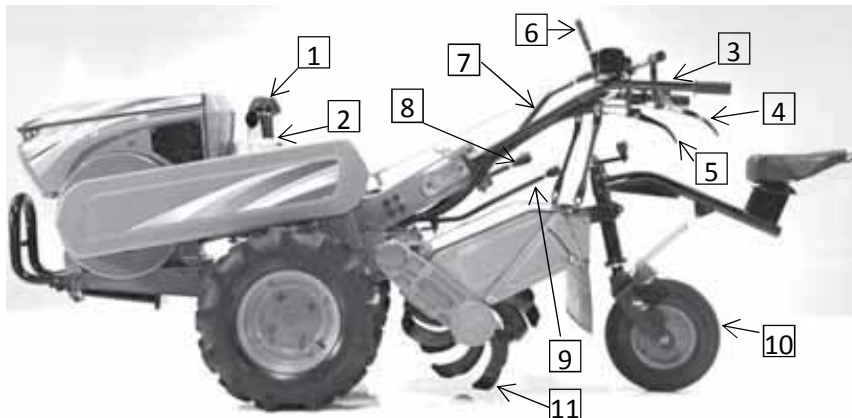


9.



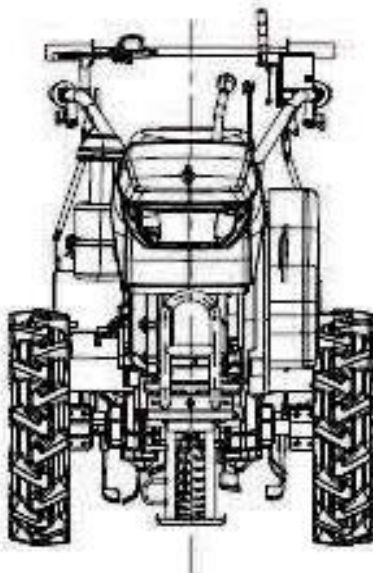
5. Equipment familiarization & Locations View

5.1 Equipment View: Mega T 15

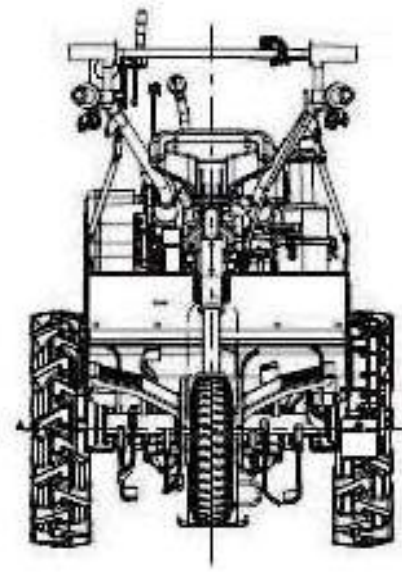


Description:

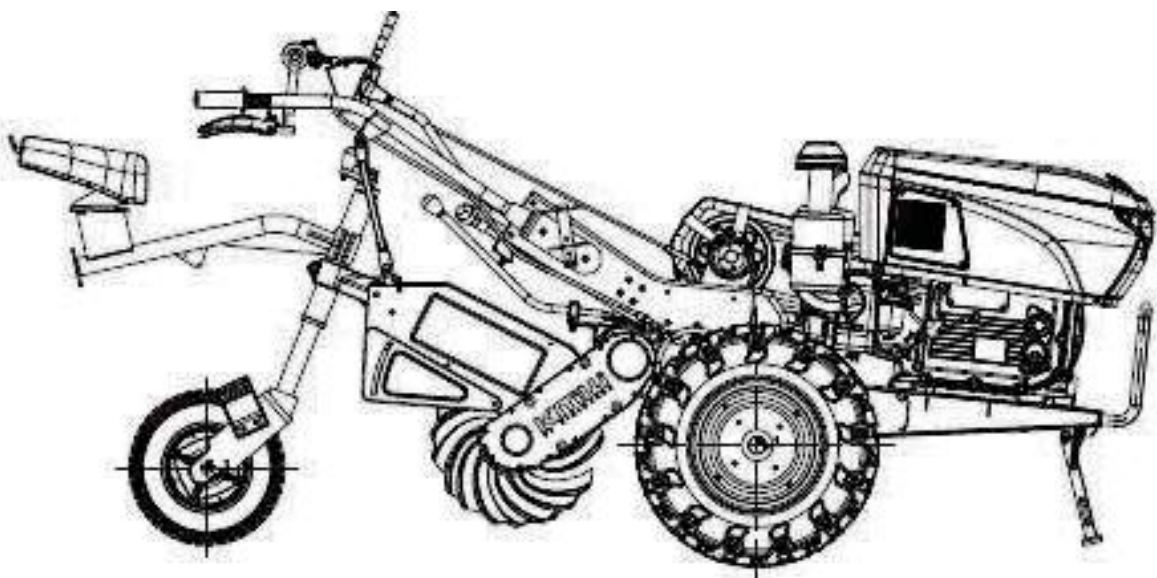
1. Air filter
2. Muffler
3. Steering Handle Assembly
4. Steering Control lever LH
5. Steering Control lever RH
6. Clutch & Parking Brake Lever
7. Main Gear Selection Lever
8. Hi-Low Range Selection Lever
9. Rototiller Gear Selection Lever.
10. Tail wheel.
11. Tiller Blades.



Front View



Rear View



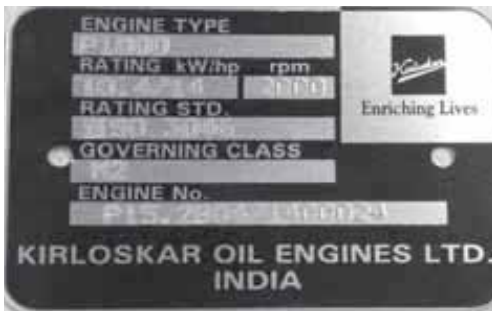
Side View

KIRLOSKAR OIL ENGINES LIMITED

A Kirloskar Group Company

5.2 Engine & Chassis Number plate

Engine Number Plate



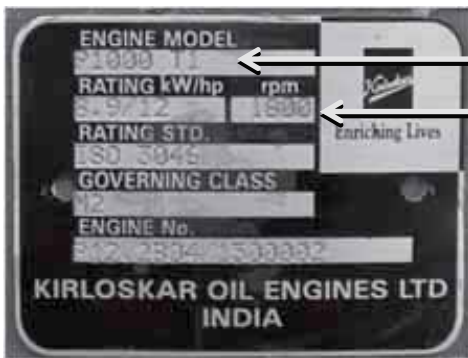
Chassis Number Plate



Mega T 12 Model



Chassis & Engine Number Plate for Mega T 12



Engine Number Plate

Engine Model: P1000 T1

Rated RPM: 1800



Chassis Number Plate

Model Name: KMW MEGA T 12

P12.SCC – 12 HP with Sugarcane Centralized

Mega T 15 Model



Chassis & Engine Number Plate for Mega T 15

ENGINE MODEL
P1000
RATING kW/hp rpm
10.4/14 2000
RATING STD.
ISO 3946
GOVERNING CLASS
M2
ENGINE No.
P15.2B05/1500006
KIRLOSKAR OIL ENGINES LTD
INDIA

Engine Number Plate

Engine Model: P1000

Rated RPM: 2000

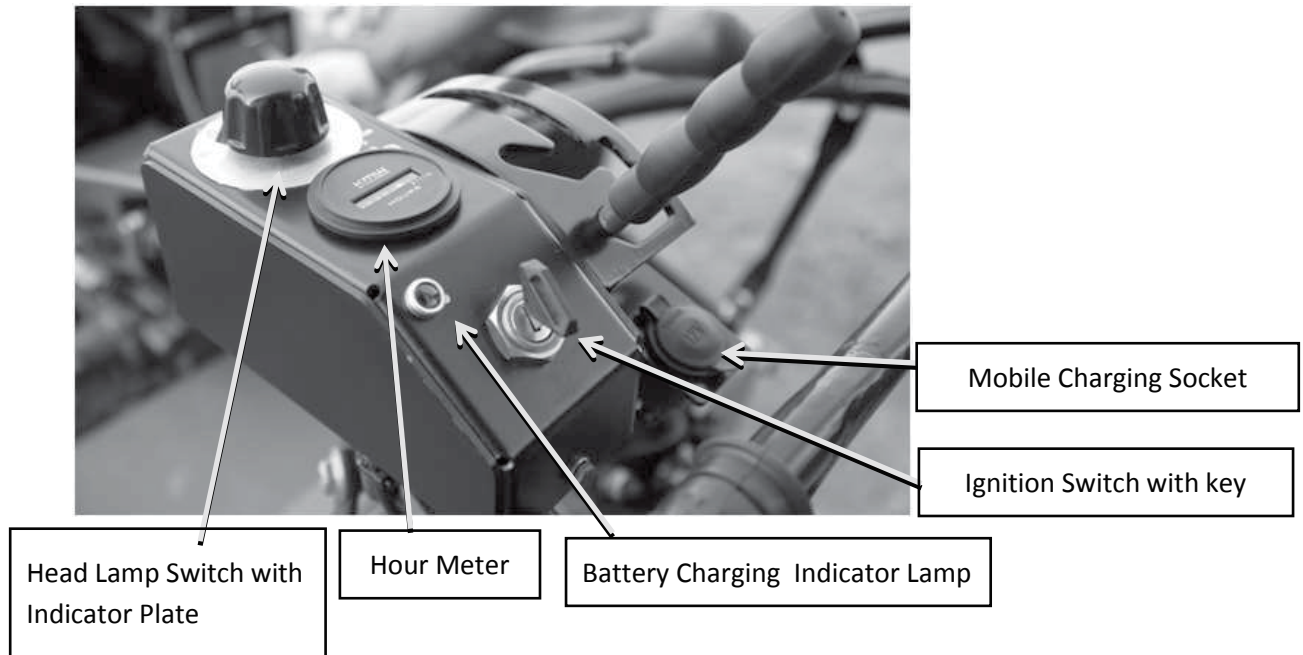
MODEL
KMW-MEGA-T 15
SR.-NO.
P15.SLSC/1500006
KIRLOSKAR OIL ENGINES LTD
MADE IN INDIA

Chassis Number Plate

Model Name: KMW MEGA T 15

P15.SLSC – 15 HP with Self Start & Sugarcane Centralized

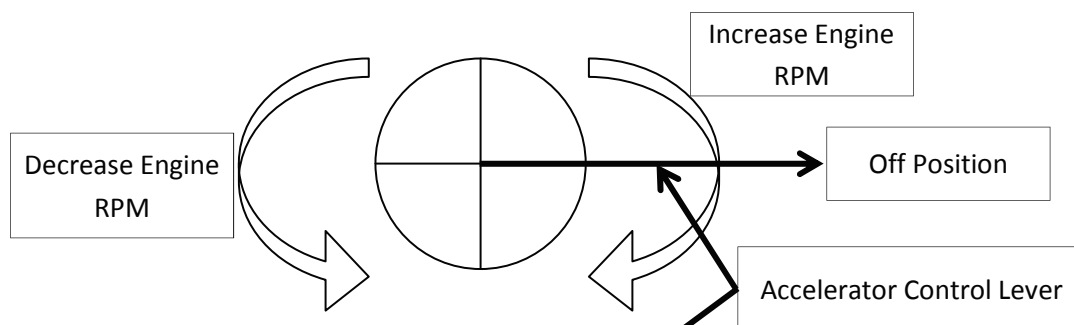
5.3 Electric Panel for DLX Models



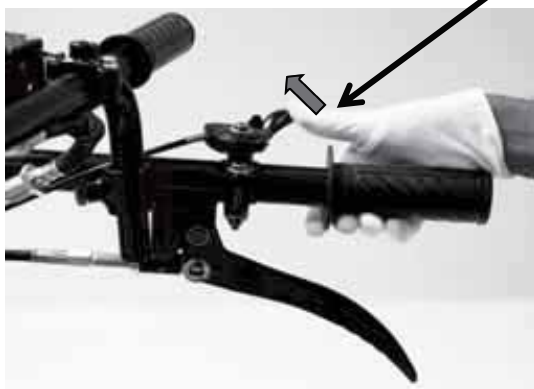
6. Controls familiarisation & Operating Instructions

6.1 Accelerator (Throttle) Control lever

Accelerator (Throttle) Control lever is used to increase / decrease engine RPM.

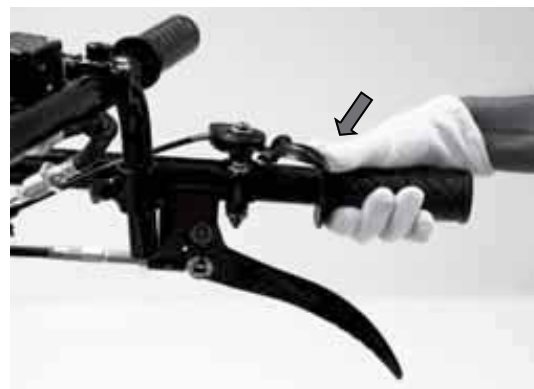


To decrease engine RPM (fig-1)



To decrease engine RPM, push the lever to anti clockwise direction as shown in fig. no.-1

To increase engine RPM (fig-2)



To increase engine RPM, pull Lever to clockwise direction as shown in fig. no.-2

6.2 Clutch & Parking Brake Controls

The Single lever will help to do the function of Clutch & Parking Brake.

Clutch & Parking Brake Control Lever (CPBL) is use to move and stop the movement of Machine.



Engage Position

To engage, move/shift CPBL to forward position towards extreme end position of bracket as shown in fig (towards engine side)



Disengage Position

To disengage, move/shift CPBL to reverse position towards the driver side as shown in fig.

Caution

Always keep CPBL in disengaged position before start of the engine.

Always use the parking brake.

6.3 Brake Controls

Brake is used to control the Machine.

6.3.1 Transmission Brake

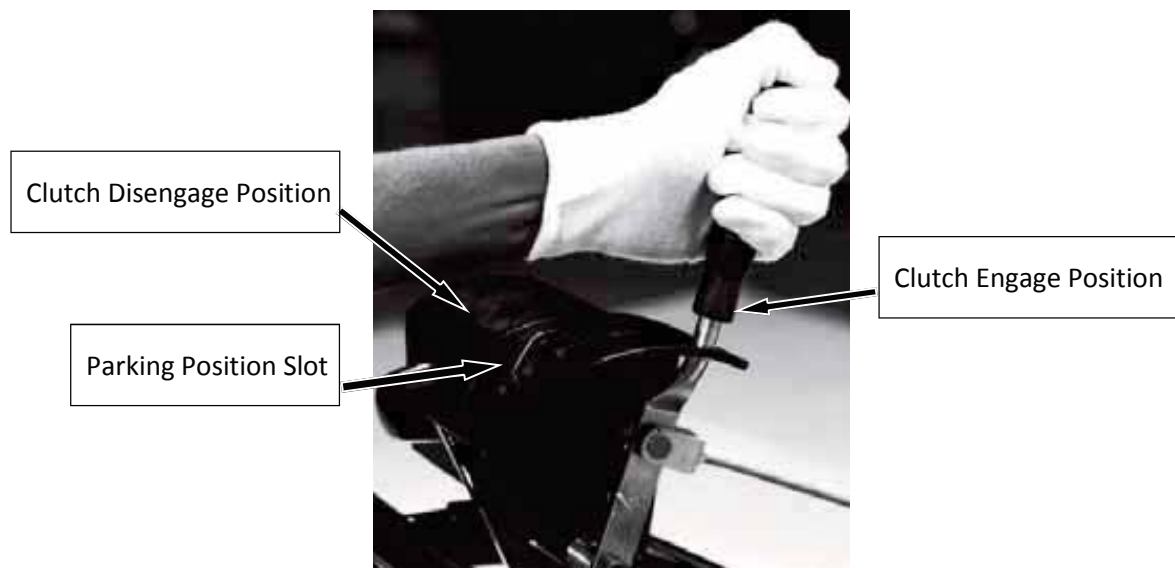
Transmission brake is use to stop or control the speed of machine



To control speed of machine, first de-accelerate engine & immediately disengage clutch lever and then gently apply brake lever provided on RH side of the driver. Avoid sudden braking, as hydraulic actuated brake is more sensitive.

6.3.2 Clutch Engage & Disengage Lever & Parking Brake Lever

- Parking brake is used to park the machine when it is not in use / at idle condition.



6.3.3 Parking Brake Position

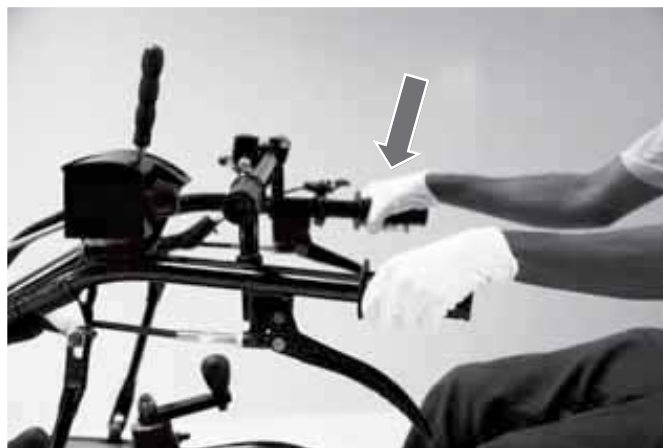
- To use the parking brake, pull the lever to an extreme end position towards the driver side as shown in fig.

Warning:

Always apply the parking brake to park the machine or machine is not in use.

6.4 Steering Control

Steering controls is use to turn the machine in required direction.

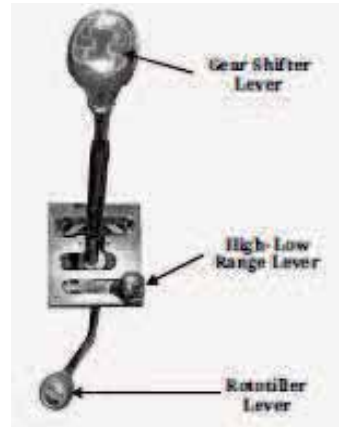


Warning:

Do not press steering levers when brake is applied.

6.5 Gear Shifting

6.5.1 Main Gear Shifter Lever



- Use to move & change the speed & Torque of the machine.
- Shift gear shifter as shown in fig. 1 according to various working speeds required and condition.
- Total 6 forward speeds and 2 reverse speeds given, supported by selecting of high low range selection gears.

Warning:

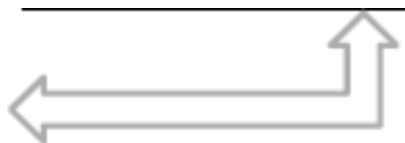
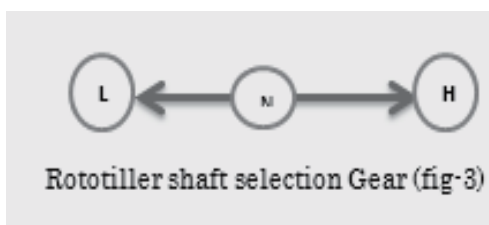
Shift all the gears when the Clutch is in disengaging position.

6.5.2 High Low Range Selection Lever



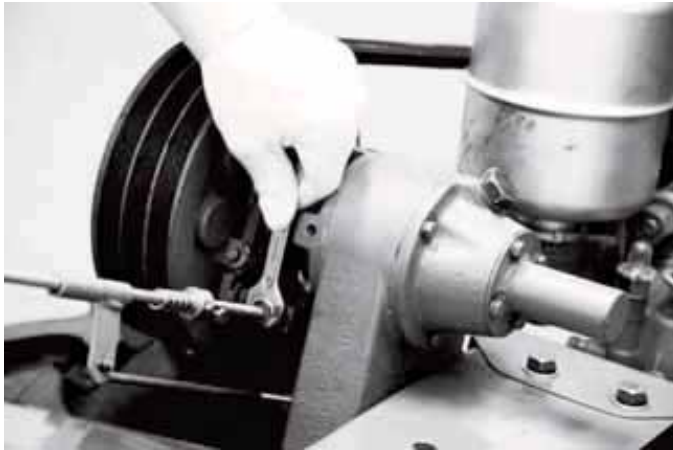
- Selecting of H/L ranges lever to get, High or Low speed with the help of lever.

6.5.3 Rototiller Speed Selection Gears



- Select rototiller gear lever to LH to low rpm speed of tiller shaft.
- Select rototiller gear lever to RH to high rpm speed of tiller shaft.

6.5.4 Side Power take off option (PTO)



A power take-off or power take-off (PTO) is any of several methods for taking power from a power source, such as a running engine, and transmitting it to an application such as an attached implement or separate machines.

Note: Please attend demonstrations training program to use the power take off option

6.5.5 Bonnet opening latch plate

The latch plate will help to open the bonnet.



Latch Plate assy.

6.5.6 Diesel and Water filling Locations with caps



Diesel filling Location

Diesel Tank



Water Filling Location

Radiator Cap

6.5.7 Side flap for rotary tiller

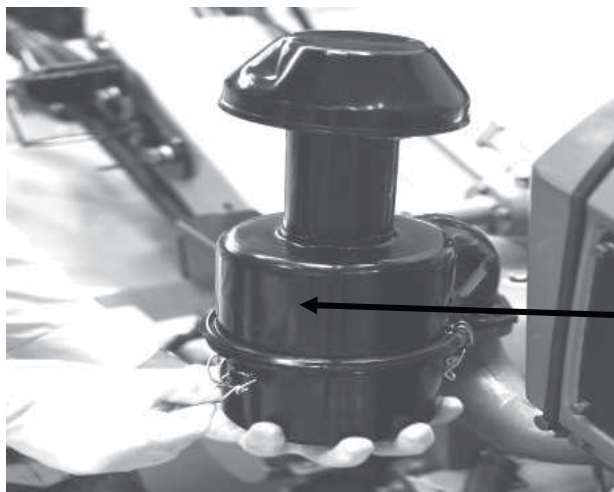


Side Cover Plate

Rubber Fender

Note: Don't remove side cover plate & rubber fender, during field operations

6.5.8 Air cleaner Assembly



Air cleaner Oil Bowl

- Please clean the air filter as per recommendation.
- In Case machine is operating in dusty situations, needs to be clean after every operation.

6.5.9 Front Stand

Stand, is a device to which bicycles can be securely attached to for parking purposes.



Stand on position



Stand-off position

7 Engine Starting Process



- Please use the handle to start the engine and rotate the handle in clockwise direction.

7.1 Engine Starting Process (For DLX Model)



Step No: 1 – Check fuel level in fuel tank and water level in radiator.

Step No: 2 – Check leakages in fuel and lubricants systems.

Step No: 3 – Keep the clutch brake lever in parking brake position slots for safety neutral switch functioning and check gear shifter lever and high – low selector lever is in neutral position

Step No: 4 – Keep accelerator control lever on high side & Insert the key and rotate it in clockwise direction & start the engine.

Note: 1) Do not keep starter engaged more than 5-8 seconds. If engine fails to start then wait for 5-10 seconds before re-engaging the starter, otherwise you may damage it.

2) Keep the switch in OFF condition when engine is also OFF condition.

7.2 Engine Off & On Position



Off Position: Step-1
Step-2
Step-3

Press Speed control Knob,
upwards to switch off engine

Speed Control Knob

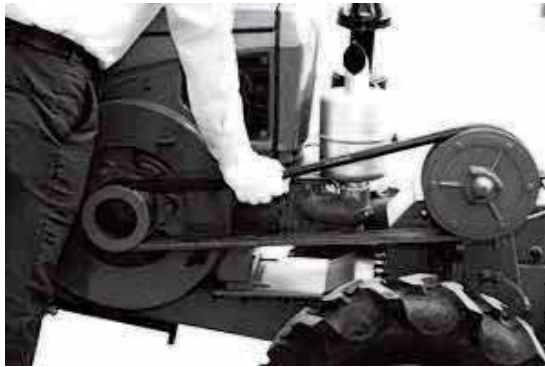
8. MEGA T adjustments and Settings

8.1 V – Belt Tension Adjustments

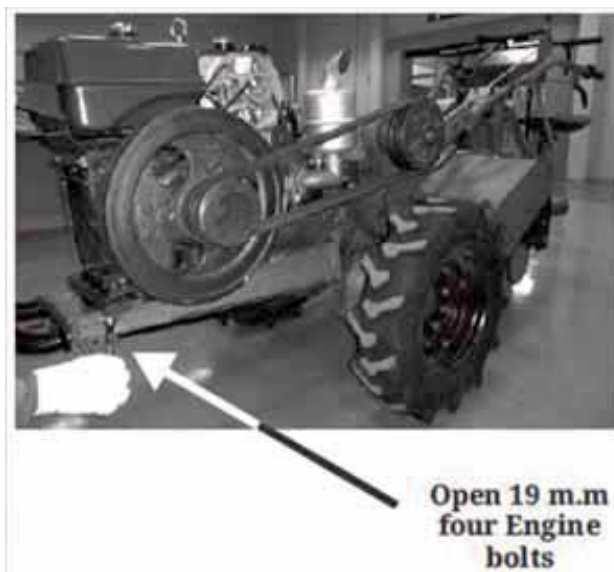
- Remove clutch pulley cover, to check transmission belt tension.



- Check for excess or less slack by pressing all belts together.



- If found, loosen all engine mounting nuts with use of 19 mm spanner.



- To adjust specified tension, move engine front or rear with the help of adjusting studs to achieve required tension and tighten engine mounting nuts.

Caution:

Check transmission belt tension periodically to get better performance of machine and better life of belts.

8.2 Alternator belt tension in DLX Model



Step No: 1 – Remove the alternator pulley cover.

Step No: 2- Check for excess or less slack by pressing the belt. The belt slack should be approximately $\frac{1}{4}$ ".

Step No: 3- If belt tension is incorrect then loosen the nut shown in picture and adjust the tension with help of tensioner plate & again tighten the same nut with the help of spanner.

Note: Incorrect belt tension cause the battery discharged and also affecting on life of battery & alternator.

8.3 Safety Neutral Switch Setting for DLX Model



Actuator Plate

Safety Neutral Switch

Step No: 1- Shift the lever in parking brake position slots.

Step No: 2- Ensure first actuator plate fully presses the safety neutral switch then tighten the bolt with the help of spanner as shown in picture

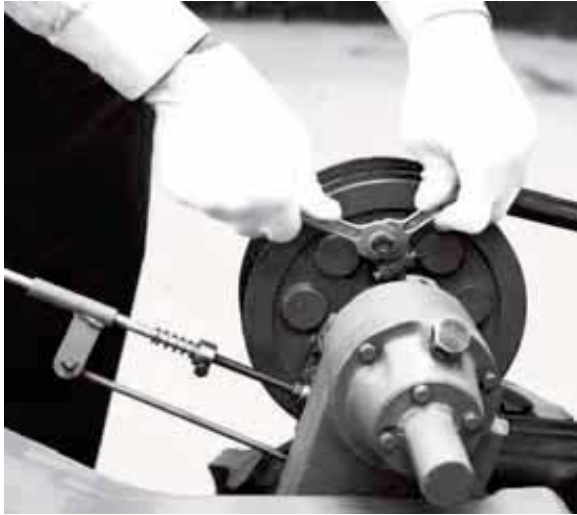
8.4 Clutch Adjustment and Setting

- Keep/shift Clutch & Brake Lever (CBL) in engage position.



- Check clearance between clutch finger and clutch release bearing by use of feeler gauge.
- Maintain 0.2 to 0.3mm max clearance between clutch finger and clutch release bearing, by adjusting clutch finger lock nut.

- Clutch finger never be loaded while the clutch is engaged



8.5 Main Clutch and Brake Pull Rod Adjustments

8.5.1 Clutch Pull rod adjustment

- Step-1: Shift Clutch & Brake Lever (CBL) to engage position.
- Step-2: Loosen clutch pull rod lock nut and remove Clevis pin. Adjust length of clutch pull rod & clutch free play by rotating pull rod in clock wise or anti-clock wise direction at CBL lever end.
- Step-3: After length adjustment, place clevis pin & tighten lock nut and insert split cotter pin.



Step-1

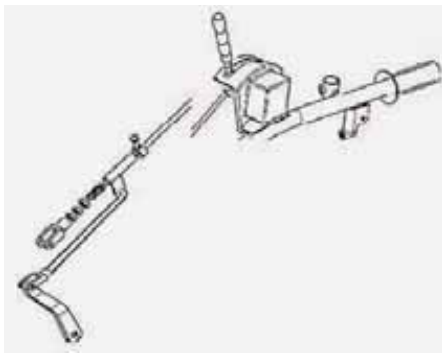


Step-2



Step-3

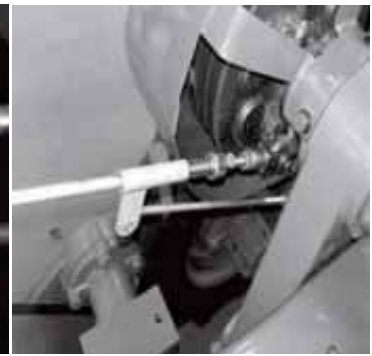
8.5.2 Parking Brake adjustment



Step-1



Step-2



Step-3

- Shift Clutch & Brake Lever (CBL) to disengage position.
- Loose the allen screw and maintain approx. 1mm gap between spring and allen. Take care not to load the spring too much & at the same time parking brake should operate.

8.6 Steering Adjustment

- Keep machine in straight position and check both steering lever for correct operation.



- Operate steering lever to disengage transmission from steering gears. Now try to move Mega T right and left side. It should move freely.



- If there is restriction in movement, then loosen steering lever locking nut. Now loosen steering cable locking nut and rotate it in clockwise or anti clockwise direction to adjust length. After adjusting, tighten steering lever locking nut.

- Don't open adjusting screw to extreme end other will be the steering gear jaw will be partially loaded during operation & will damage it.



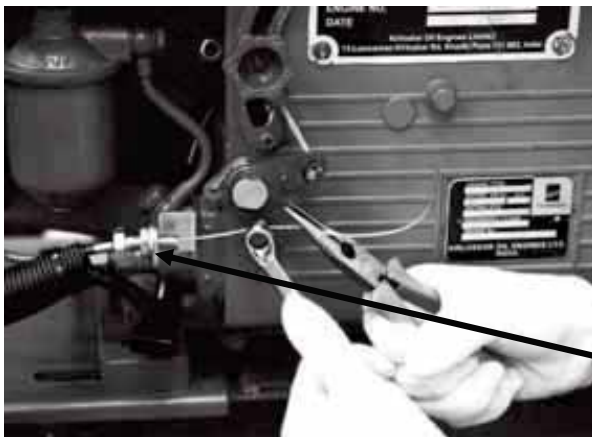
Steering lever lock nut

Caution:

Don't use steering levers on slope.

8.7 Throttle Control System adjustment

- Start the engine and loosen control yoke lever screw and hold cable. Now keep throttle lever at minimum position i.e. towards engine.



Setting Screw

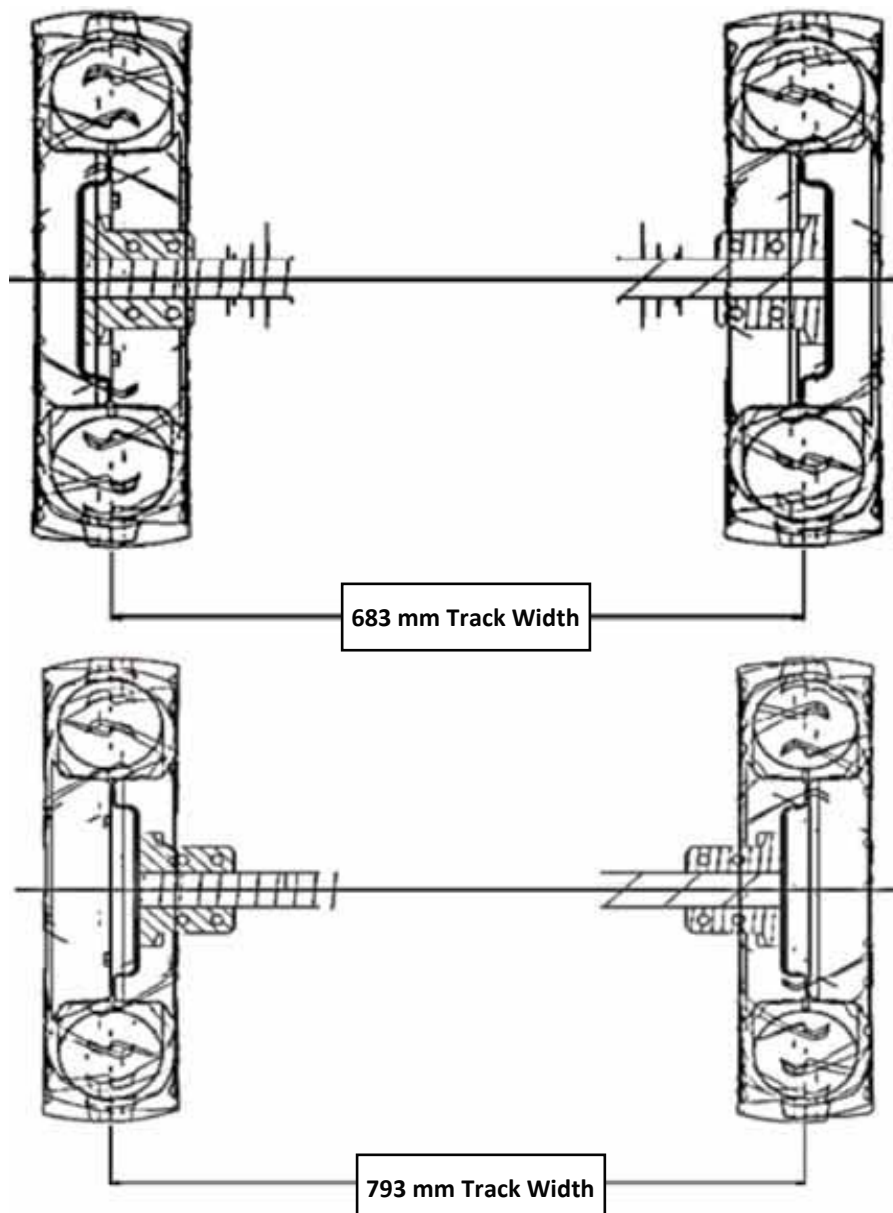
- Move speed control knob to obtain a stable idle, below the speed at which the tiller tines begin to turn.



- Pull or stretch accelerator cable and retighten the screw.
- Prepare the Accelerator assembly on engine side.
- Join the cable through the nut, accelerator cable.
- Keep Accelerator control assembly at lower most position.
- Keep setting screw at mid position.
- Tight the screw or nut accelerator cable and ensure that there is no float and no load on steering cable.

8.8 Wheel Track Width Changing Procedures

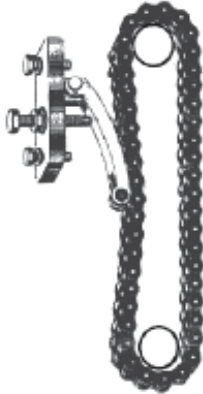
- Two different track widths can get in this machine according to operators need.
- 793 mm track width is as per company standards.
- To avail lesser track width of 683 mm, interchange the wheels (LH wheel to right side and RH wheel to left side as a complete assy).



8.9 Transmission Chain Adjustment

8.9.1 Main transmission chain

- Check out for transmission main chain worn out condition.
- To adjust chain tension, loosen or tighten adjustment bolt provided on housing chain transmission.



8.9.2 Rototiller Transmission Chain Adjustment: OFV



OFV Model—Double Chain

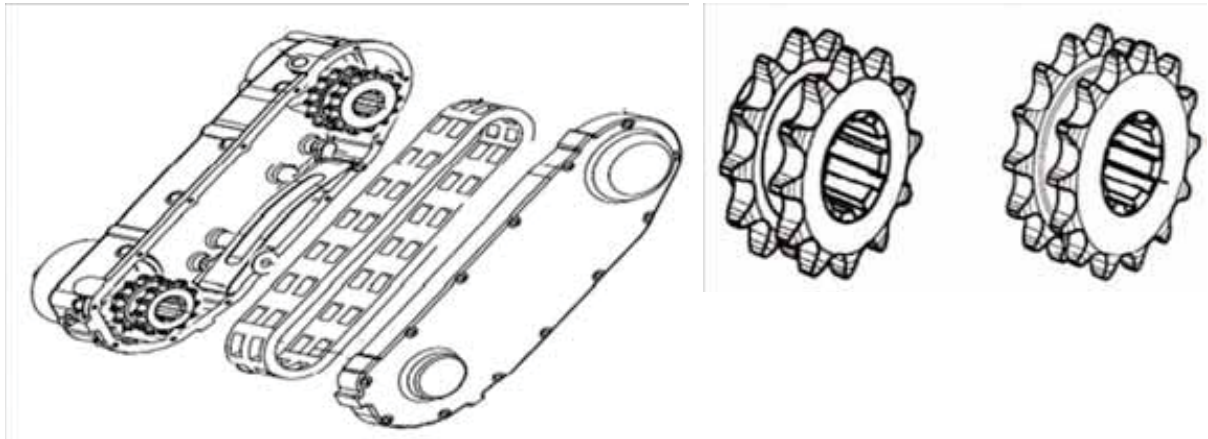
8.9.3 Rototiller Transmission Chain Adjustment for SCC Models (12 HP & 15 HP)



SCC Model—Single Chain

- Checks needs only when abnormal noise observed from chain case box.
- Chain tension is self-adjustable supported by auto adjustable tensioner.
- To check noise, remove rototiller chain cover first inspect for any wear & tear.
- If found any abnormality, consult our authorised dealers only.

8.9.4 Rototiller Shaft Speed Changing Procedure



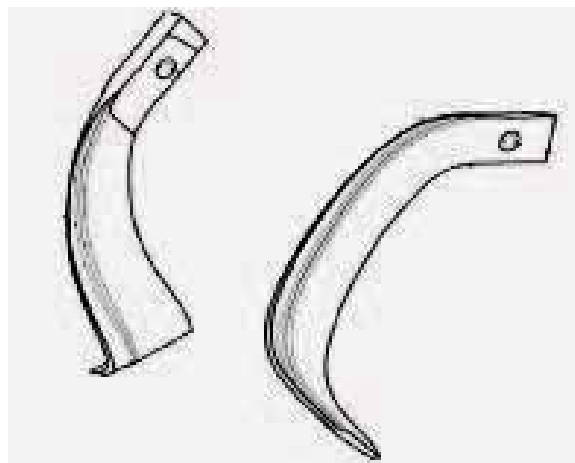
- Operator can avail two different speeds of tiller shaft by interchanging chain sprocket.
- Remove rototiller chain cover; remove sprocket circlip, rototiller transmission chain and sprockets.
- Interchange chain sprockets & reassemble the unit by reversing of remove process.

Note:

Before reassemble, clean transmission chain, sprocket and inspect gasket for clear sealing to avoid further oil leakage.

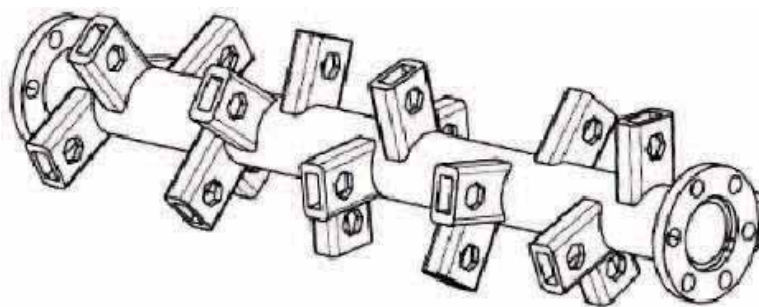
8.10 Tiller Shaft blade mounting sequence and blade types

Blade Types



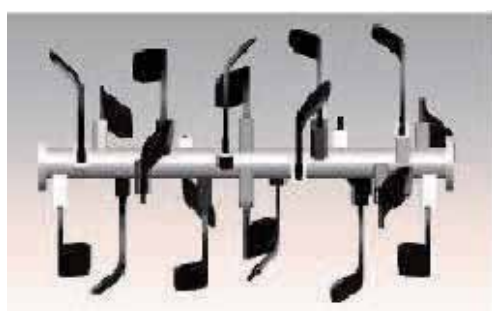
- For better soil pulverisation in wet and dry land, hatchet type blade is provided.
- As shown in fig. blade cutting edge towards right is RH blade and cutting edge towards left is LH blade.

8.10.1 Blade mounting sequence on tiller shaft

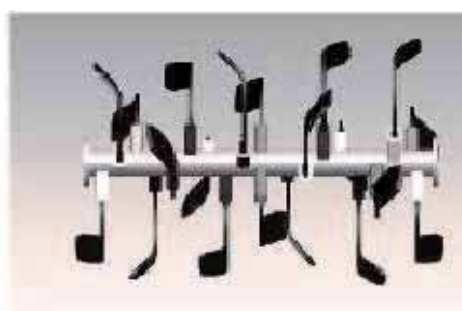


Rototiller Shaft with Single Hole

8.10.2 Double hole blades with rototiller shaft for SCC Models (12 HP & 15 HP)



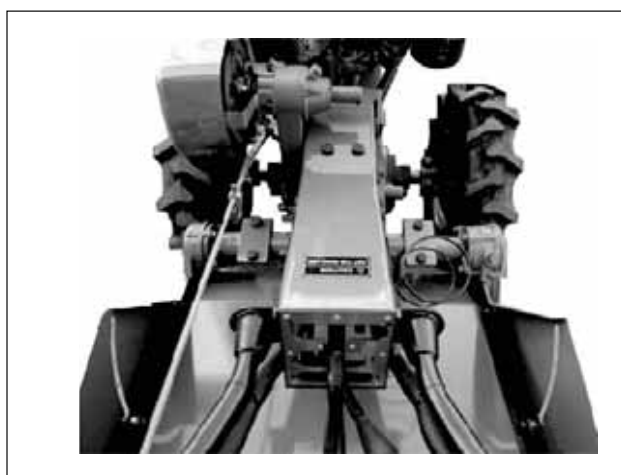
Mix Mode



Earthing-Up

- Please follow blade mounting sequence on shaft as shown in fig.

8.10.3 Centralized rotor assembly for SCC Models (12 HP & 15 HP)



8.10.4 Special Designed Side Panel, Brace Plate and Chain Cover for SCC Models (12 HP & 15HP)



- Get better earthing up in sugarcane operation.

8.11 Seat Height & Position Setting Working Depth

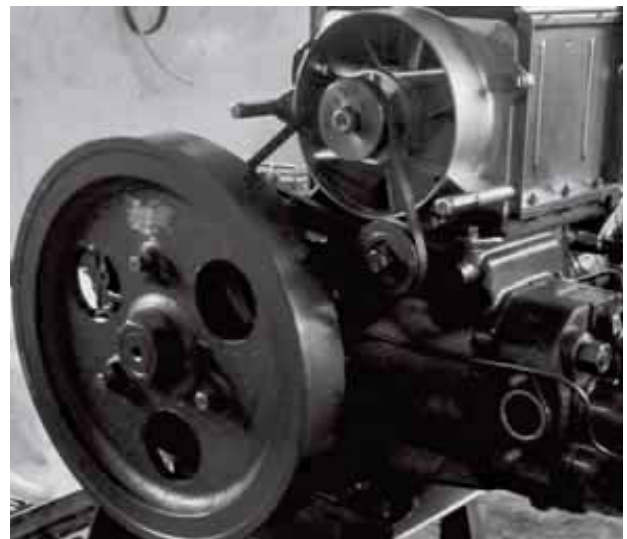
- To adjust the tilling depth, turn the handle of the tail wheel.
- If the desired tilling depth is not available then loosen tail wheel sleeve clamp and adjust the position of sleeve to increase depth.



- Do not adjust seat height & working depth while riding on seat, it may damage to tail wheel screw which is not covered under warranty.

8.12 Radiator Fan Belt Tension Adjustment

- To adjust the fan belt tension, loosen tensioner bolt and move it towards driver seat.
- Keep belt tension in between 5 -7 mm.
- Tighten tensioner bolt.

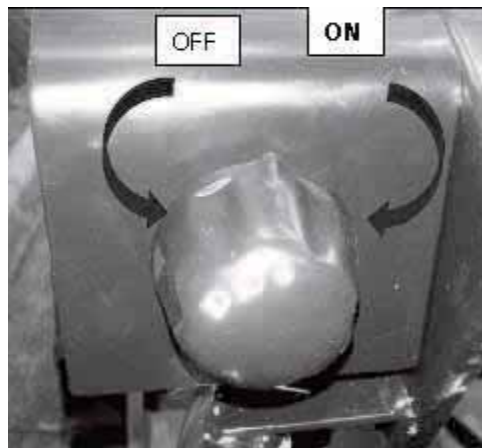


8.13 Rototiller Reverse Locking

- While reversing Mega T, rototiller shaft should not rotate.
- Locking mechanism is provided in machine to prevent it from rotating.
- When transmission lever is kept in reverse slot, it moves reverse locking lever in neutral position, where it restricts the movement of rototiller Hi-Low lever.

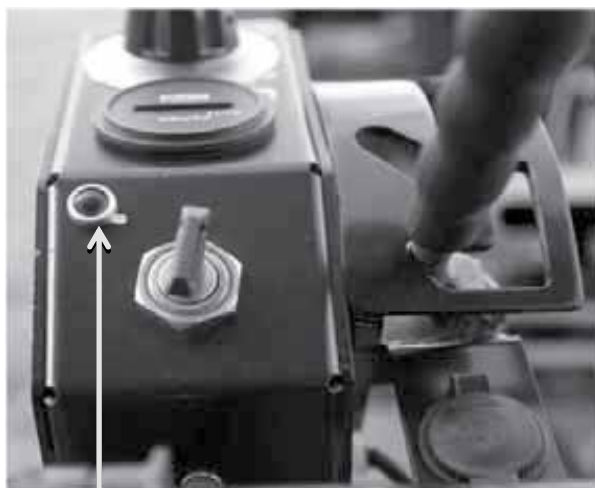
Note: - warranty will get void if reverse locking tempered.

9. Electricals



- ON / OFF: Rotate head light knob to clock wise for head lamp glow.

9.1 Battery Charge Indicator for DLX Model



Battery Charging Bulb OFF



Battery Charging Bulb ON

This bulb indicates that either battery is being charged or not.

Refer the below given observations with respect to different.

9.2 Battery Maintenance

Sr. No.	Description	Checking Frequency	Result
1.	Check battery electrolyte level after removing the vent caps	Monthly	Electrolyte level to match MAX line on battery. Don't cross over MAX line
2.	In case of low level, top up the same with Battery Grade DM Water only (Don't use Acid)	As & when found	Top up the level up to MAX by DM Water only
3.	Keep battery terminals sufficient tight & clean & Dry	Monthly	Clean & Dust / corrosion free terminal joints
4.	Don't hammer on terminals while fitment	As & when	Terminals should be gently tighten with clamps
5	Always ensure the vent plugs are Clean & hold tightly on battery top cover	Monthly	Vent holes on plugs are clean & vent plugs are always in intact position on battery top
6.	Clean the battery top cover by wet cloth & Dry it with dry cloth	Monthly	Clean & dust free battery top
7.	Avoid any physical short circuit between the battery terminals while checking / Maintaining the batteries	As & when	No short circuit / Accident hazards
8.	Ensure proper fitment of battery in cradle	Monthly	Battery fit properly in battery box / cradle
9.	Don't use the battery for other than Engine cranking	Every day	Good battery life

9.3 Battery Do's & Don'ts

Activity	Do's	Don'ts
Measuring Sp. Gr.	1. Open all vent plugs by appropriate opening tool 2. Use calibrated / Branded Hydrometer for correct readings	1. Never use coin/ Screw driver- same may damage the vent hole grooves 2. Never to use unbranded hydrometer – Due to non-calibration, may give wrong Readings
Measure Open Circuit Voltage of battery	Use branded Multimeter on Voltage selection range	Never use local make – same may give false readings
Battery terminal cleaning	Apply thin smear of petroleum jelly on both the battery terminals	Avoid Grease / Oil- which may damage the terminals in future due to corrosion / sulphation
Battery Top cover cleaning	1. Clean the battery Top cover by normal Tap water 2. Ensure vent plugs are tightened before washing the battery top	1. Avoid dirty / Contaminated water 2. Don't remove the Vent Plugs/ Loose the vent plus- Avoid the washing water enters in battery through loose / open vent holes
Battery removal from vehicle	1. Remove the battery Negative terminal first, and then Positive terminal 2. Use proper size tooling for battery fastening & de fastening activity	1. Don't remove Pos. terminal first- It may create chances of Short circuit while removal of terminals 2. Avoid wrong size tooling
Battery fitment	First fit the Positive. terminal & at the last fit the Negative. terminal	Don't alter the protocol- Please refer above point

9.4 Battery Precautions

- Battery terminals must be kept clean and tight.
 - A light smear of petroleum jelly on the terminal posts and connections will help to resist corrosion.
 - Always disconnect the battery ground cable first & after that battery positive cable.
 - While connect battery cable, first connect positive cable & after that battery ground cable.
 - To avoid damage to charging system, service precautions should be observed as follows.
- A.** Never make or break any of the charging circuit connections, including the battery when engine is running never short any of charging components to ground.
- B.** Do not use a slave battery of higher than 12 volts nominal voltage.
- C.** Always disconnect the battery ground cable before carrying out arc welding on the Power tiller or any implements attached.

INDICATOR LAMP CONDITIONS			Battery Charging System Functioning
IGNITION SWITCH	ENGINE	BULB	
ON	OFF	GLOW	OK
ON	OFF	OFF	Charging System/Battery is defective. Get both thing checked from electrician
ON	Start/Running	OFF	Battery being charged
ON	Start/Running	GLOW	Charging System is defective/Battery is draining out, get charging system checked from electrician

9.5 Starter Motor - Do's and Don'ts

Do's	Don'ts
Ensure that all electrical connections in the circuit including the battery are clean and secure.	Do not operate starter motor when the engine is running as this could result in damaging the starter motor and flywheel ring gear.
Observe correct polarity i.e. connect negative to negative and positive to positive.	Do not crank continuously. If the engine does not fire immediately, allow sometime to cool the starter motor before crank again.
For earth return system, a twin wiring system between battery and starter motor should be used.	If still the engine does not start, ascertain the cause and do not drain the battery by cranking the starter motor
The total resistance of the starter circuit including that of return path and junctions should not exceed 0.002 Ohm 20°C.	Do not inch (move) the vehicle using starter motor.
The main feed cable should be supported to prevent cable weight and vibrations from coming on to the electrical terminals.	Do not disconnect battery cable while the engine is running.
While washing the vehicle with high pressure gun starter motor should be suitably protected.	Do not subject the starter motor to continuous oil / water drip

9.6 Handling Precautions for Electrical Parts & Wiring Harness

To ensure safety and prevent damage to the Machine and surrounding equipment, the following precautions needs to be taken while handling electrical parts & wiring.

IMPORTANT

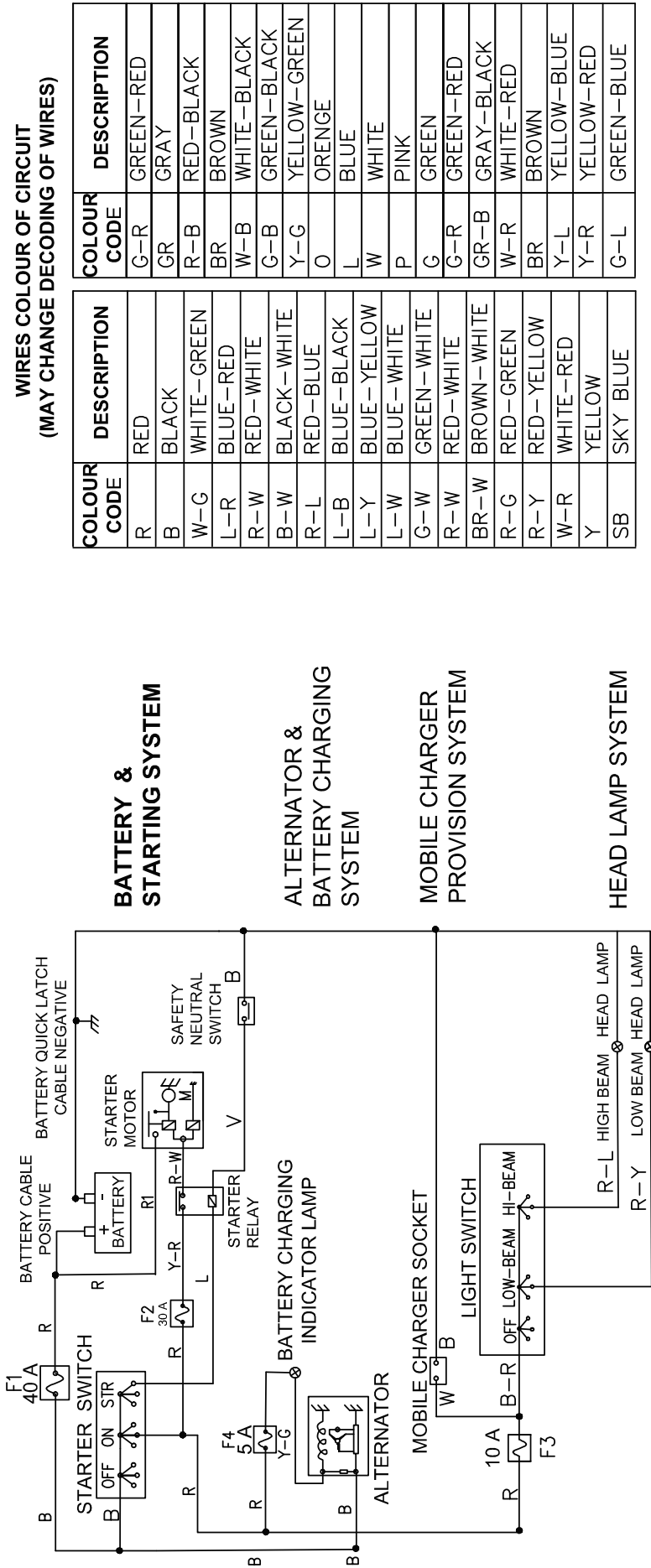
- Check electrical wiring for damage and Loosened connection.
- When removing the battery cable, disconnect the negative wire first
- When Installing the battery cable, connect the positive first.
- After connecting cables to battery terminals apply petroleum jelly to them and securely install terminal covers on them.
- Take care not to let battery liquid spill on your skin and cloths. If contaminated, wash it in water immediately.
- Before recharging the battery through external system, remove it from the machine.
- Before recharging through external system, remove cell caps.

CONNECTOR

- For connector with Lock, push lock to separate. In separating connector do not pull with harness.
- Do not throw or drop electrical parts and wire harness.

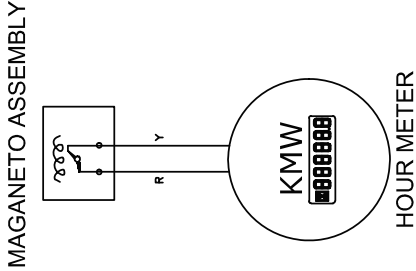
9.7 Electric Wiring Circuit Diagram for DLX Model

SCHEMATIC DIAGRAM FOR ELECTRICAL SYSTEM



F1	40 AMP MAXI FUSE
F2	30 AMP FUSE
F3	10 AMP FUSE
F4	5 AMP FUSE
R1	STARTER RELAY

HOUR METER SYSTEM



10. Maintenance Schedule

10.1 Maintenance Chart								
	Daily		Free Service Period				Frequency	
	Before Use	After use	8 hrs.	50 hrs./ 1 month	150 hrs./ 5 month	300 hrs./ 10 month	150 hrs./ 5 month	300 hrs./ 10 month
Clean Crank case				C	C	C	C	
Engine oil	I				R	R	R	
Nozzle and fuel pump						I		I
Lubricating Oil strainer				C	C	C	C	
Fuel filter				C	R	R	R	R
Clean Fuel tank						C		C
Clean Air cleaner	I			C	C	C	C	
Valve clearance (adjust if necessary)				I	I	I		I
Cylinder head bolts				I/T	I/T	I/T		I/T
External tiller bolts	I/T			I/T	I/T	I/T		
Main Gear Box Oil					I/F	R		R
Chain case oil					I/F	R		R
Rototiller shaft ends	I/C			I/C	I/C	I/C		
cam lever	I							
Tension pulley	I/A			I/A	I/A	I/A		
Main clutch thrust bearing	I/C, L			I/C, L	I/C, L	I/C, L		
Joints of all control lever	I/L	C/L		C/L	C/L	C/L		
Blade fitting Nuts and Bolts	I/T							
Wheel Hub Bolts	I/T			I/T	I/T	I/T		
Transmission V-belt	I/A			I/A	I/A	I/A		
Tyre Pressure	I/A							
Head Light	I							
Coolant	I/F							
Radiator fan Belt	I/A			I/A	I/A	I/A		
Injector Pressure and timing					I	I	I	I
Oil pressure Indicator	I			I	I	I		
Breather (Gear box)	I/C	I/C		I/C	I/C	I/C		
Grease on LH bearing housing on Rotor.				R	R	R	R	
Brake Fluid	I/F		I/F					
Grease, Seat height adjusting screw				I/L	I/L	I/L	I/L	
adjust tension of the side clutch	I/A			I/A	I/A	I/A		
Main clutch free play	I/A			I/A	I/A	I/A		
Parking Brake position adjustment	I/A			I/A	I/A	I/A		
Grease in Tail wheel hub				I/L	I/L	I/L		

C-Clean

I-inspect

R-Replace

T-Torque

A-Adjust

L-Lubricate

F-Fill/Top-up

KIRLOSKAR OIL ENGINES LIMITED

A Kirloskar Group Company

10.2 Lubrication Specification Chart

USE ONLY KOEL RECOMANDED OIL & LUBRICATS				
Sl. No.	LUBRICANTS TYPE	SPECIFICATIONS	QUANTITY	Replacement
1	ENGINE OIL	SAE 15W- 40, CF-4	3.2 LTS	150 Hrs or 5 months
2	TRANSMISSION OIL	SAE 80W-90, GI-4	7.5 LTS	300 Hrs or 10 months
3	AIR CLEANER	SAE 15W- 40, CF-4	0.15 LTS	
4	BRAKE FLUID	DOT 3	0.10 LTS	
5	GREASE	API MULTI PURPOSE	NA	50 Hrs or 1 month
6	COOLANT	NA	NA	

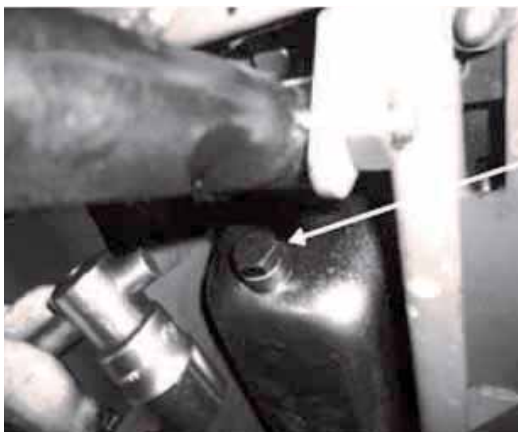
10.3 Free Service Schedule

Free Service recommended with following schedule (Month or Hours of usage whichever is earlier)				
Sl. No.	Free Service	Month	Total Hours used	Date of Sale
1	1 st Free Service	1	50 Hrs.	
2	2 nd Free Service	5	150 Hrs.	
3	3 rd Free Service	10	300 Hrs.	

10.4 Engine Maintenance

10.4.1 Engine Oil Change Procedure

- Place MEGA T on flat surface, remove sump drain plug & engine oil filler cap.
- Drain out completely old/used oil and collect it in a container.



Open the drain plug through 22 mm Socket & T— Handle

- Do this exercise, while engine is in warm condition (during warm oil drains quickly and completely).
- After complete oil drain out, reinstall oil drain plug and tighten.

Pour recommended, new engine oil into the engine over engine oil filler cap. Use funnel to avoid oil spilling.

Fill the New Engine oil



- Reinstall oil filler cap & tighten.
- Check and ensure, whether engine oil level is correct, by inserting oil dipstick.
- After completing the process, start engine for 2-3 minutes for complete oil circulations.

10.5 Engine Cooling System

10.5.1 Engine cooling fins cleaning procedure

- Remove side fins inspection cover.
- Check for any dust or fragments accumulation on cooling fins.
- Use hand operated hand pump or low pressure air to clean cooling fins.
- Reinstall cooling fins inspection cover.

10.5.2 Engine cooling water level check & top up procedure



- Step 1 - Open radiator cap and pour coolant/ soft water in radiator when engine is cold.
- Step 2 - Start engine and keep it running for 5 minutes.
- Step 3 – Switch off engine and wait till engine cools down. Open radiator cap and top up coolant/ soft water if required.

10.6 Air filter oil change & cleaning procedure



- Step 1 - Loosen air filter clamps, separate oil bath bowl & filter element.



- Step 2 - Dispose old oil from bowl & wipe out dust particles from bowl by use of clean cloth.
- Step 3 - Fill new recommended oil into the oil bath bowl.



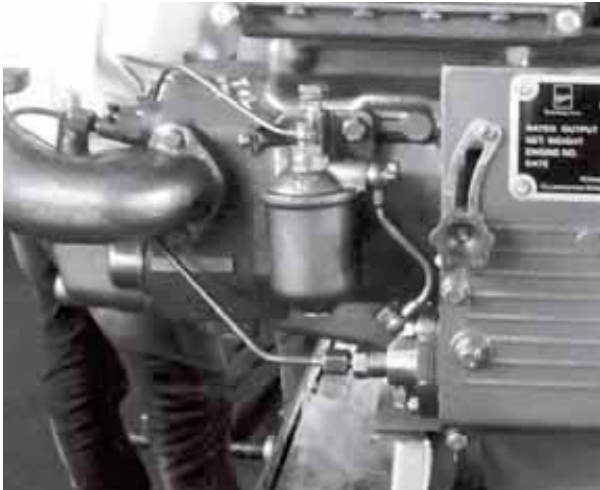
- Step 4 - Clean filter elements with diesel or kerosene & reinstall. If filter elements are damaged, replaced with new one.



- Step 5 - Reinstall oil bath bowl & tighten filter bowl clamps.

Note: Operating engine with dusty oil or damaged filter element causes engine performance.

10.7 Fuel filters change procedure



- Turn off fuel supply knob & disconnect fuel supply main line.

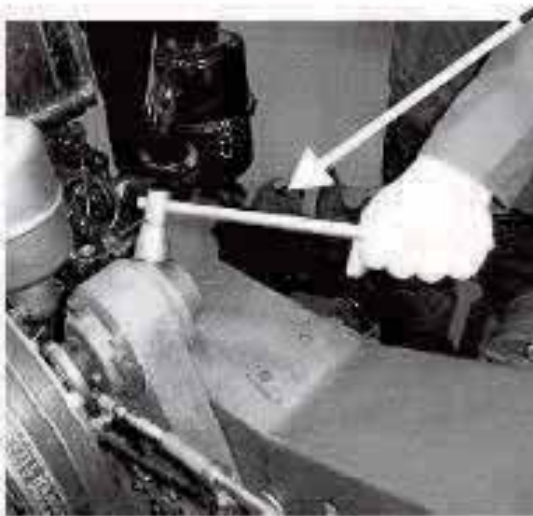


- Remove filter mounting bolt & mounting cover body.
- Separate filter bowl & filter paper insert.
- Wipe filter body with clean cloth.



- Replace fuel filter paper insert with new one.
- Reverse the procedure & reinstall filter mounting body.
- Turn ON fuel supply knob.

10.8 Transmission oil change procedure



- Place MEGA T on flat surface & keep oil container tray at bottom of gear box to collect old oil.
- Drain out transmission oil by removing transmission & bull gear drain plugs.
- After complete oil drain out, reinstall all drain plugs.
- Remove transmission oil filler plug & pour recommended transmission oil into the gear box.
- Use oil filler gun or oil applicator to avoid oil spilling.
- After complete of process, reinstall oil filler plug.
- To check transmission oil level, remove oil level inspection plug provided at RH top side of gear box assy.

10.9 Brake

10.9.1 Fluid oil Change, top up & air removal procedure



Brake Fluid filling point

- Remove air vent screw provided at brake shoe chamber & place small container at bottom to collect drop fluid.
- Gently apply brake lever handle 2- 3 times until complete air escapes & freely brake fluid flow.
- Tighten air vent screw.
- To replace complete brake fluid, drain old fluid by removing banjo bolt on brake chamber & apply brake lever 2-3 times until complete fluid is drained out.
- Remove brake fluid reservoir cover by loosening screws and fill new fluid into reservoir.
- After filling fluid, repeat air removal procedure as explained.

10.10 Tyre Air Pressure Specification Chart



- Drive Tyres air pressure:
 - For Field – 1.6 Kg/cm²
 - For Road – 2.0 Kg/cm²
- Tail Wheel– 2.0 Kg/cm²

11. Troubleshooting Engine

A. Engine Fails to Start Cause	Remedy
1. Unsteady fuel flow	Check the fuel tank and the element of the fuel filter whether there is any water or dirt. Clean the element in clean fuel if it is choked with dirt, or clean the fuel tank and fill it with clean fuel of recommended grade if any water is found in the tank.
2. Air in the fuel pipe line	Release air and then tighten all fuel pipe connections.
3. Fuel injection timing incorrect	Adjust according to the recommended procedure.
4. Valve clearance incorrect	Adjust according to the recommended procedure.
5. Insufficient compression in the cylinder	Check valve seat leakage & take necessary action.
6. Pumping element (plunger and barrel) of the injection pump or injector nozzle worn-out	Check Injector & FIP

B. Engine Does Not Develop Full Power Cause	Remedy
1. Insufficient compression in the cylinder	Proceed as item 6 under “Engine Fails to Start.” If parts are worn, in excess of the specified wear limit, then replacement should be made.
2. Fuel injection timing incorrect	Adjust according to the recommended procedure.
3. Valve clearance incorrect	Adjust according to the recommended procedure.
4. Air filter choked	Clean it in clean fuel or kerosene.
5. Engine speed too low or too high	Adjust the speed —control lever knob to make the speed attain its rated value.
6. Opening pressure of the injector incorrect	Replace the pumping element (plunger and barrel) of the injection pump, or injector nozzle, adjust the opening pressure of the injector to 248 kg/cm ² .

C. Engine Exhausts Dense Black	
Cause	Remedy
1. Engine overloaded	Reduce the load appropriately. If the belting or coupling with the driven machine is not right, correct it.
2. Faulty injector	Check the opening pressure of the injector and the atomization of the fuel spray. Correct it if necessary, or replace it if worn.
3. Incomplete combustion	This results mainly from faulty injector, incorrect fuel injection timing, leakage through the cylinder head gasket and from insufficient compression, etc. Remedy whatever the real cause maybe.

11.1 Troubleshooting Transmission

Problem	Cause	Remedy
Gear Shifting Hard	Clutch Throw Out Lever Free Play	Adjust Clutch free play as recommended.
	Clutch Plate Worn out	Check Clutch Plates, if found worn replace it.
	M6 Screw on Top Cover Loose	Check the screw for tightness. If loose tighten it.
	Gear Lever bend	Remove gear lever and check the rear end, if found bend replace it.
	Rail & Fork bend	Remove Rail, Fork and check for bends and damages, replace if found bend or damage.
Gear Noisy	Clutch Throw Out Lever Free Play	Adjust Clutch free play as recommended
	Clutch Plate Worn out	Check Clutch Plates, if found worn replace it.
	Gear Lever bend	Remove gear lever and check the rear end , if found bend replace it.
	Fork Spring & Ball	Check Spring tension if found loose replace it. Check balls if found damage replaces it.
	Rail & Fork bend	Check Rail & Fork for bend / damages replace if required.
	Gear teeth damage	Check the gear teeth for damages. If found replace it.
Gear Not Engaging	Clutch Throw Out Lever Free Play	Adjust Clutch free play as recommended
	Clutch Plate Worn out	Check Clutch Plates, if found worn replace it.
	Gear Lever bend	Remove gear lever and check the rear end, if found bend replace it.
	Fork Spring & Ball Damage	Check Spring tension if found loose replace it. Check balls if found damage replaces it.
	Rail & Fork bend	Check Rail & Fork for bend / damages replace if required.

11.2 Troubleshooting Electric System

Problem	Cause	Remedy
Electric System Not Working	Battery terminal loose or rusting of terminal	Clean and tight the terminals
	Less specific gravity	Replace or fill electrolyte up to level
Starter Motor Not Working	Battery terminal loose / Battery discharged	Tightened / Recharged or replace battery
	Faulty starter motor	For repair contact your dealer
Battery Not Charging	Loose or rusting of terminal	Clean and tight the terminals
	Belt Loose	Check belt tension
	Faulty Battery	Replace

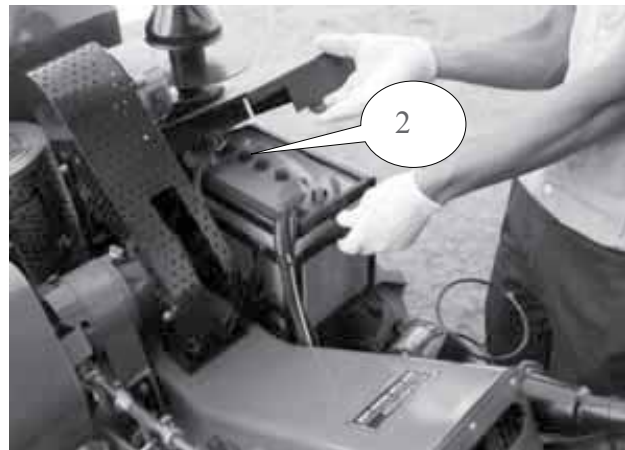
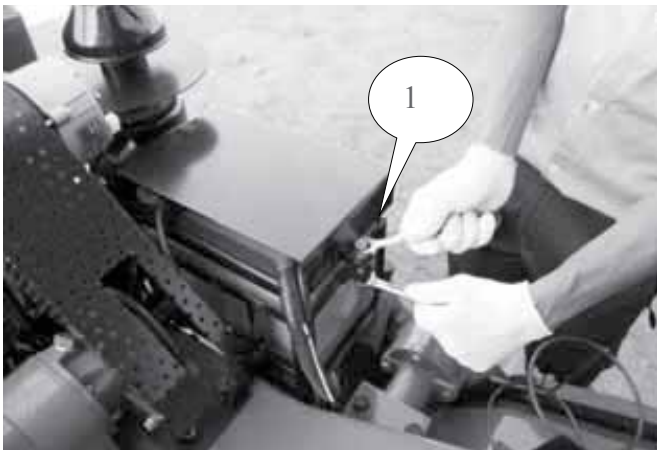
11.3 Electrical System Maintenance for DLX Model

- Never Patch up the electrical circuits
- Never replace a blown fuse by a higher capacity fuse. It could cause a fire.
- Never work on components such as the alternator or starter motor when the engine is running.

Battery (12V, 60Ah)

Removal Procedure

Battery is located near the Air Cleaner as shown in the below picture.



Follow the below procedure to remove the battery.

- 1) Remove the nut and screw set (1) from both side of top cover by rotating it anticlockwise.
- 2) Open the top cover and detach the (-) ve & (+) ve terminals (2) respectively.
- 3) Remove the battery from mounting stand.

Check Electrolyte Level

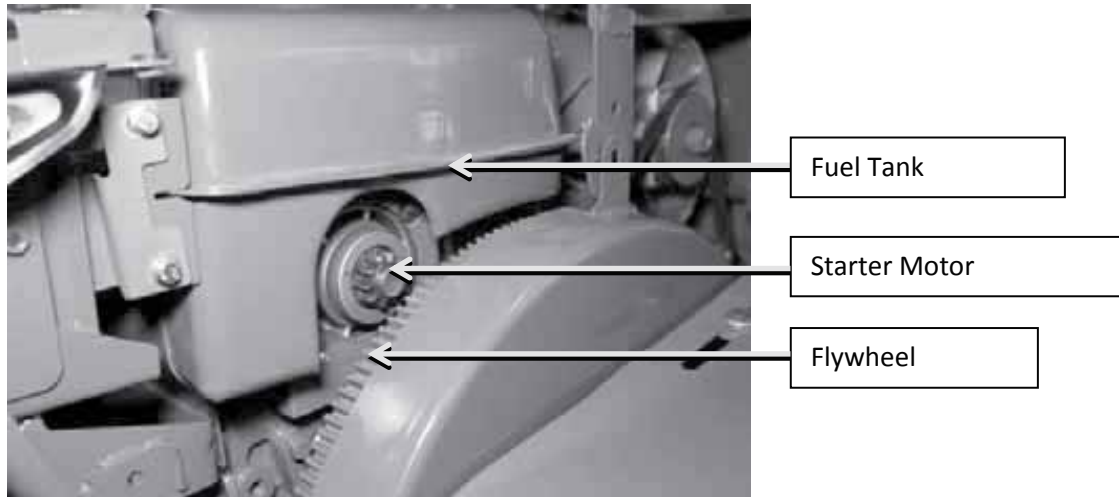
It must be as per the recommendation of battery manufacturer. If required top with distilled water. Never add acid.



Starter Motor (12V, 2.5KW)

Starter motor is mounted below the fuel tank. The starting motor rotates the engine crankshaft for starting. Visually check the starter for damage. If starter is dusty, blow off the dust using compressed air.

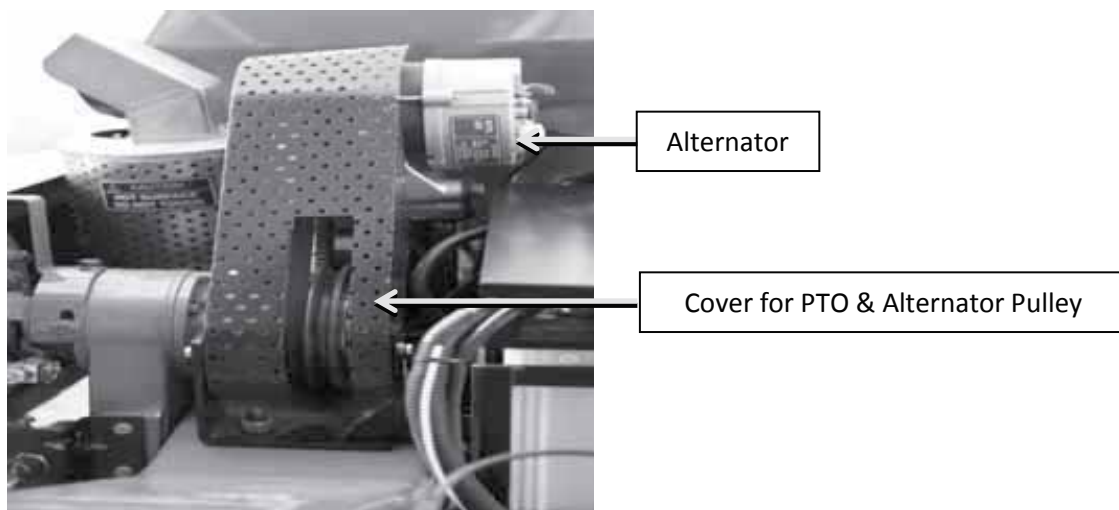
Note: If defects are found in the starter, contact your dealer



Alternator (12V, 35A)

Alternator is fitted on left side of air cleaner and generates current which charges battery for healthy electrical back up. Visually check the starter for damage. If starter is dusty, blow off the dust using compressed air.

Note: If defects are found in the starter, contact your dealer





Engine Parts Catalogue

MEGAT
Revolutionary Farm Machine

Farm Mechanisation Business Unit

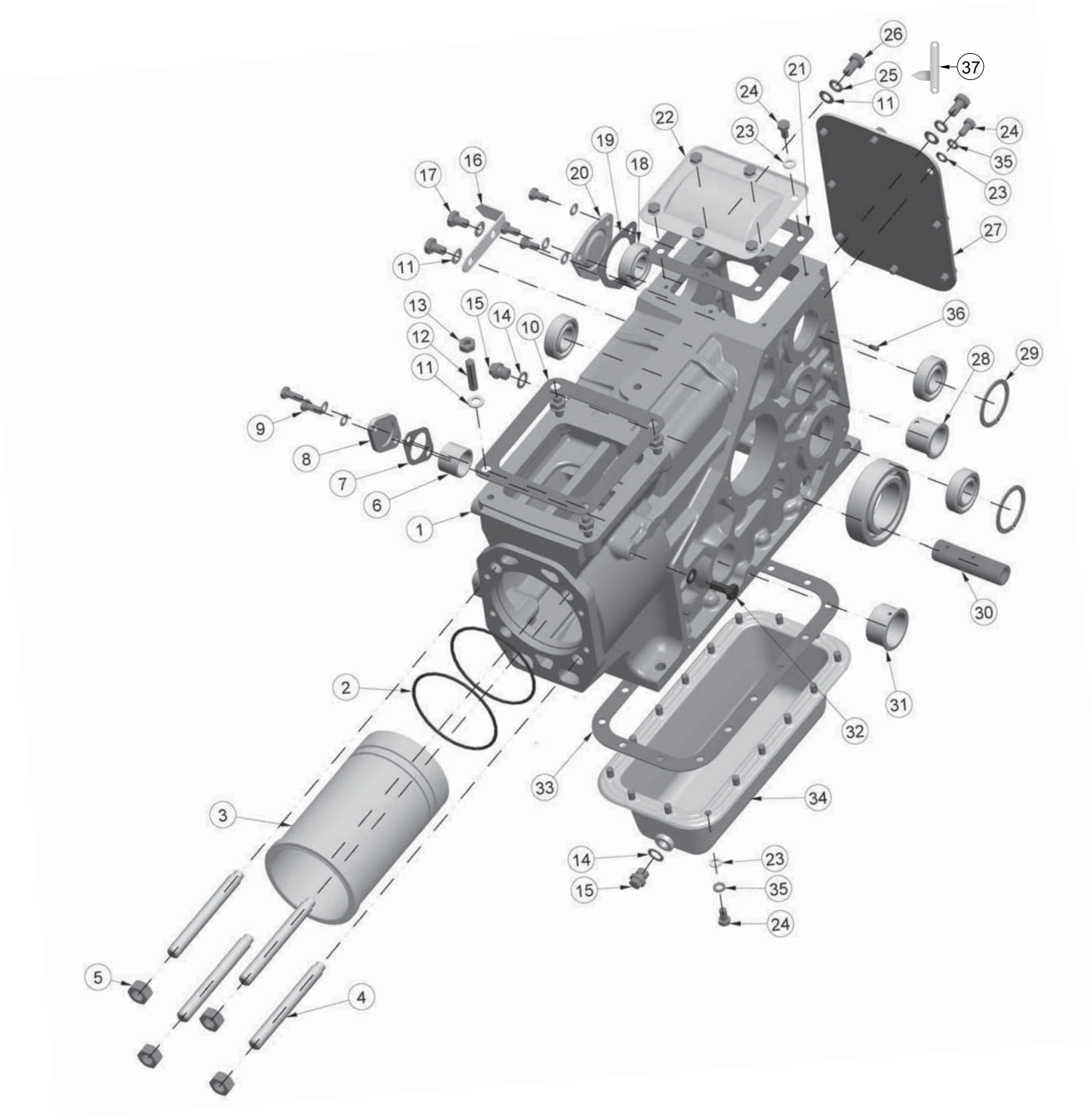
INDEX

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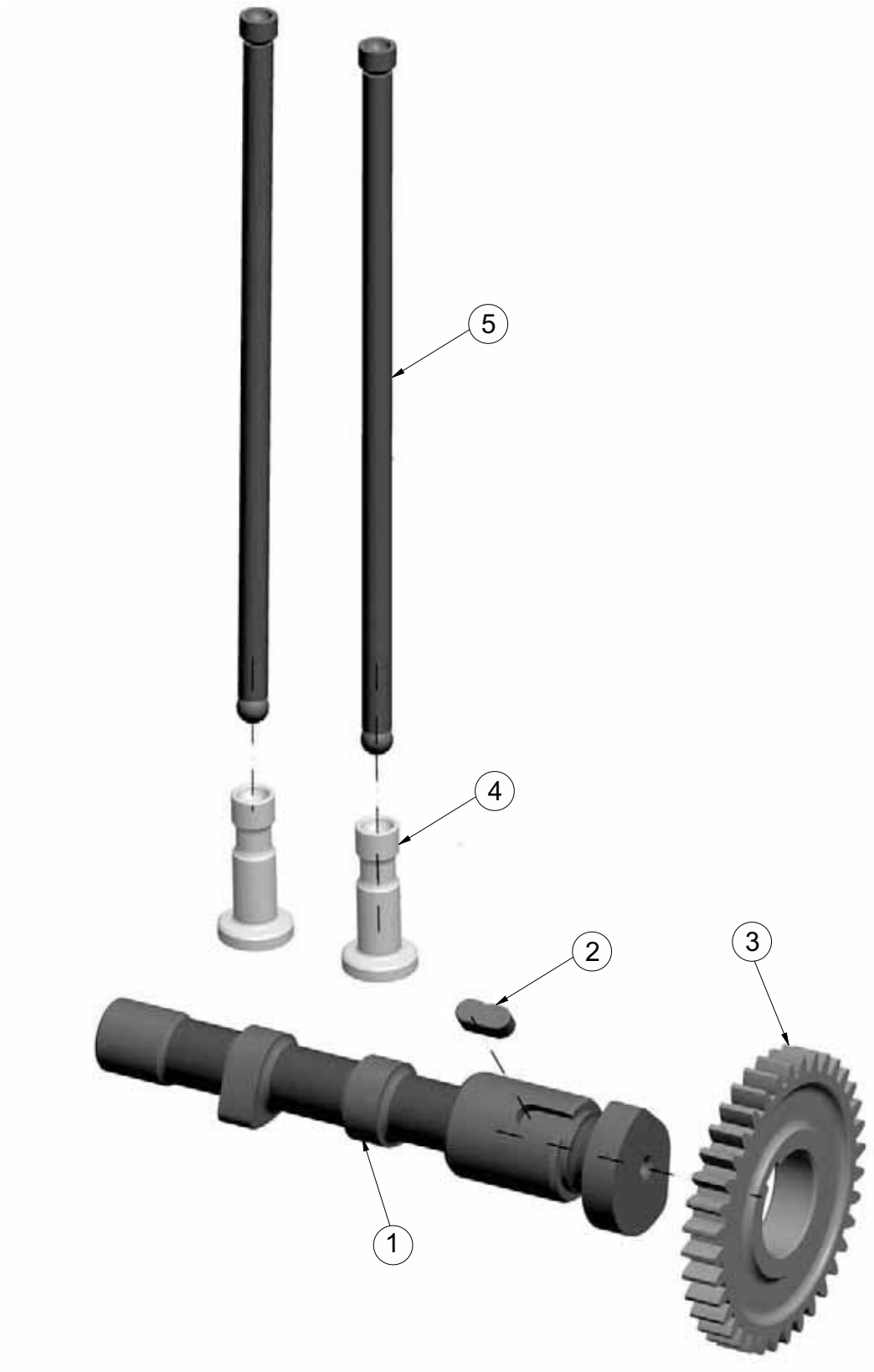
As continuous improvements are contemplated the illustrations and descriptions are not binding.

CYLINDER BLOCK ASSEMBLY (CRANK CASE)



CYLINDER BLOCK ASSEMBLY (CRANK CASE)

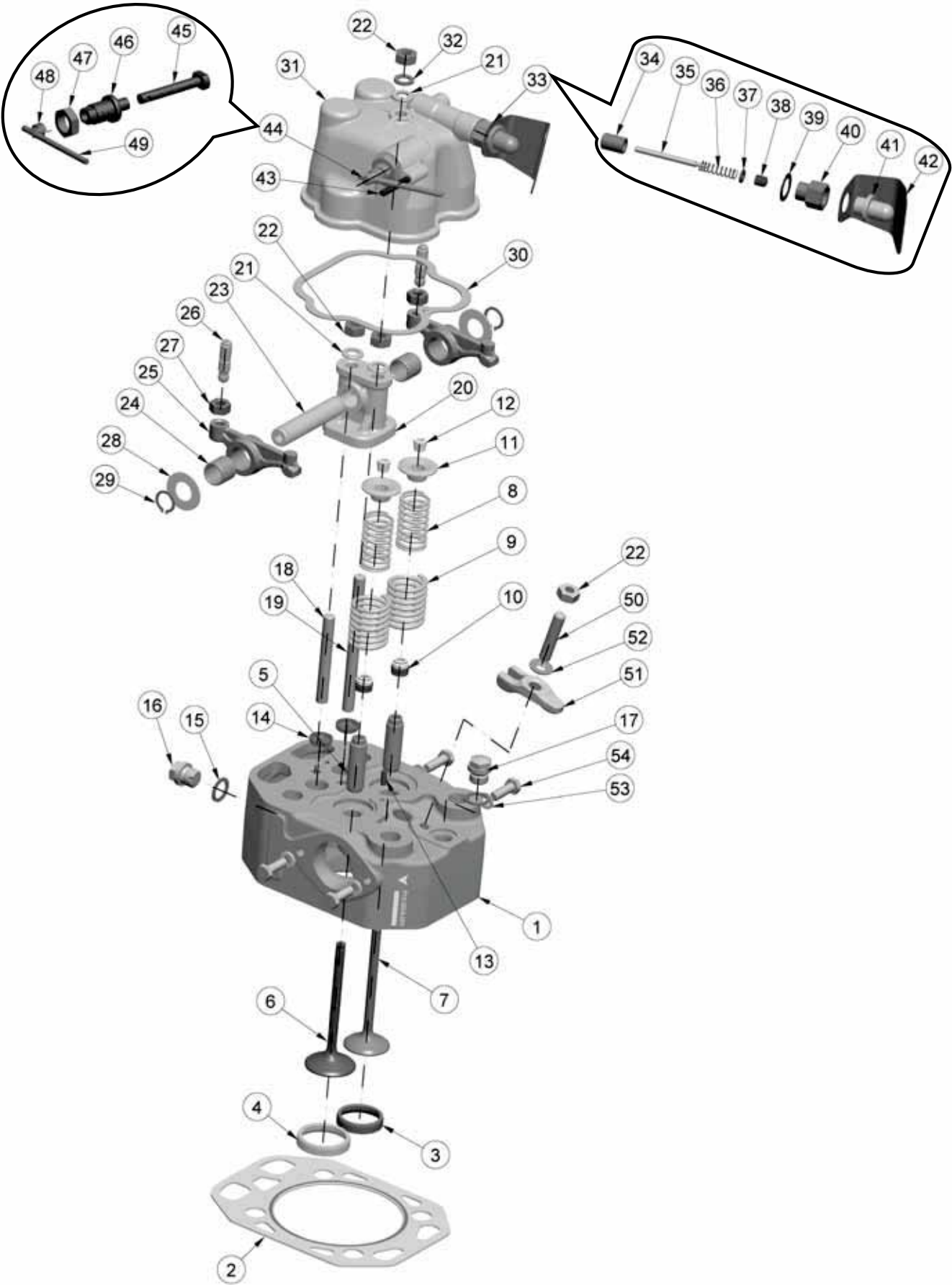
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1	P15.0301.001.0.PR	CYLINDER BLOCK(CRANK CASE)	1
2	P15.0301.015.0.PR	CYLINDER LINER WATER SEAL RING	2
3	P15.0301.003.0.PR	CYLINDER LINER	1
4	P15.0301.017.0.PR	CYLINDER HEAD STUD	4
5	P50.006.16.000	CYLINDER HEAD NUT	4
6	P15.0301.027.0.PR	CAMSHAFT REAR BUSHING	1
7	P15.0302.021.0.PR	PACKING FOR CAMSHAFT COVER	1
8	P15.0301.025.0.PR	CAMSHAFT COVER	1
9	57.003.08.020	SET SCREW - M8X1.25X20 - 8.8	7
10	P15.0301.007.0.PR	HOPPER PACKING	1
11	57.505.10.000	WASHER 10-140 HV	7
12	57.002.10.030	BOLT M10X30	4
13	57.006.10.000	HEXAGON NUT M10	4
14	P50.508.12.000	WASHER	2
15	P50.602.14.000	PLUG	2
18	P15.0301.021.0.PR	BEARING 6205	4
19	P15.0301.028.0.PR	PACKING FOR BALANCING SHAFT COVER	1
20	P15.0301.019.0.PR	BALANCING SHAFT COVER	1
21	P15.0301.018.0.PR	PACKING SHEET OF UPPER COVER	1
22	P15.0301.022.0.PR	UPPER COVER OF THE CYLINDER BLOCK	1
23	57.505.08.000	SPRING WASHER 8	35
24	57.003.08.016	SET SCREW - M8X1.25X16 - 8.8	14
	P50.003.08.018	SET SCREW - M8X1.25X18 - 8.8	14
25	57.506.10.000	PLAIN MACHINED WASHER - M10	2
26	P50.002.10.020	BOLT M10X20	2
27	P15.0301.029.0.PR	REAR COVER	1
28	P15.0301.016.0.PR	STARTING SHAFT BUSHING (A)	1
29	P50.502.52.000	CIRCLIP	2
30	P15.0301.026.0.PR	SPEED GOVERNING GEAR SHAFT	1
31	P15.0301.024.0.PR	CAMSHAFT FRONT BUSHING	1
32	57.003.10.025	HEXAGON BOLT M10X25	1
33	P15.0301.023.0.PR	PACKING FOR OIL SUMP	1
34	P15.0311.016.0.PR	OIL SUMP	1
35	57.506.08.000	WASHER 8 140HV	24
36	P50.401.06.012	LOCATING PIN A5X12	2
37	P15.0202.028.0.PR	TIMING POINTER	1
OPTIONAL			
11	57.505.10.000	WASHER 10-140 HV	2
16	P15.0202.026.0.PR	TIMING POINTER	1
17	50.003.10.016	SET SCREW M10X1.5X16 – 8.8	2
38	P15.0607.002.0.PR	STARTER MOTOR MOUNTING BRACKET	1



CAM SHAFT ASSEMBLY

Sr. No.	Item	Description	Qty.
	P15.0303.010.0.PR	CAMSHAFT & CAM GEAR SUB ASSEMBLY	
1	P15.0303.002.0.PR	CAMSHAFT	1
2	P15.0303.003.0.PR	FLAT KEY 10X16	1
3	P15.0303.001.0.PR	CAMSHAFT GEAR	1
4	P15.0303.004.0.PR	VALVE TAPPET	2
5	P15.0303.005.0.PR	PUSH ROD	2

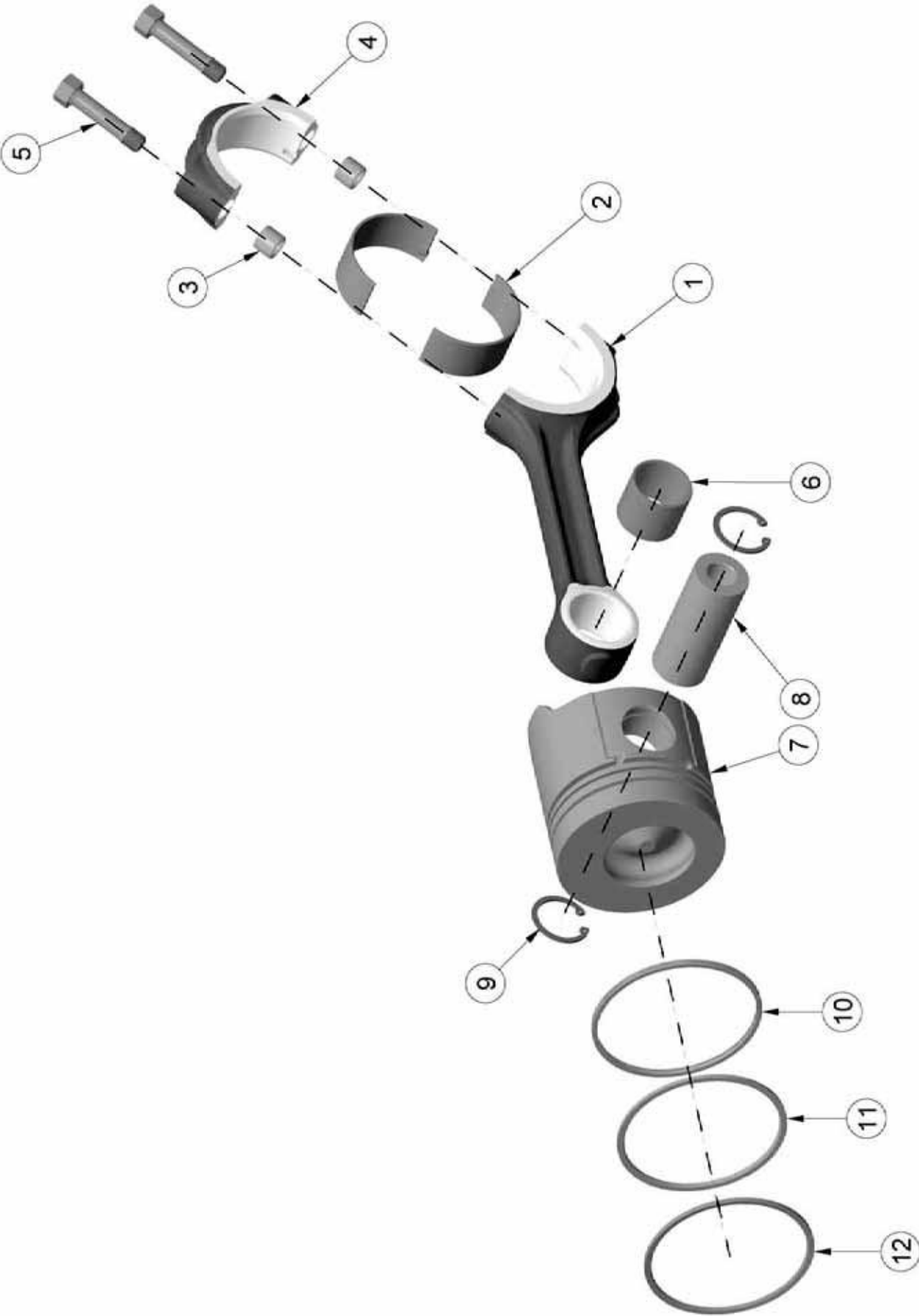
CYLINDER HEAD ASSEMBLY



CYLINDER HEAD ASSEMBLY

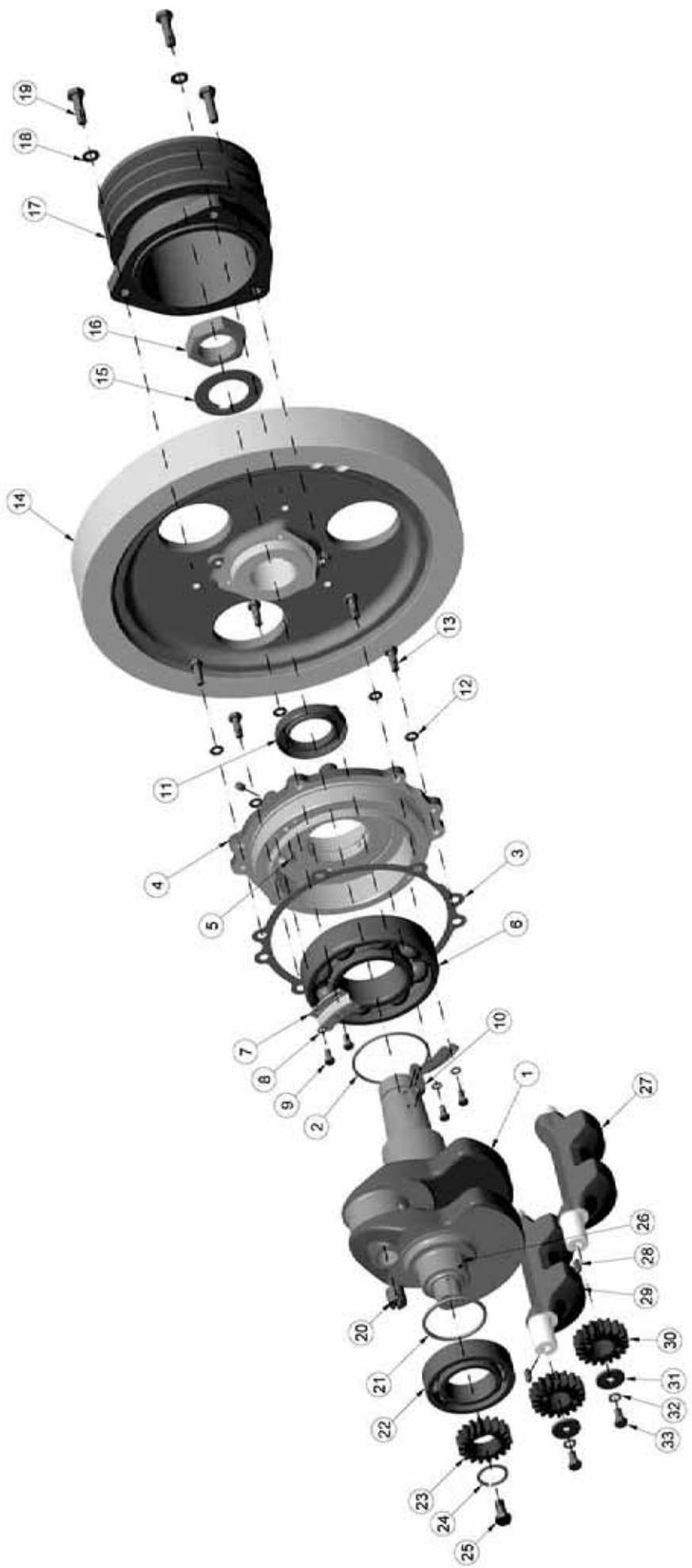
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	- P15.0204.060.9.PR	CYLINDER HEAD (WITH VSI & VG)	1
1	P15.0304.001.0.PR	CYLINDER HEAD-CF18-03201	1
2	P15.0301.002.0.PR	CYLINDER HEAD GASKET	1
3	P15.0204.029.9.PR	SEAT INSERT (EXHAUST) (SEMIFINISH)	1
4	P15.0204.036.9.PR	SEAT INSERT (INLET) (SEMIFINISH)	1
5	P15.0204.025.0.PR	VALVE GUIDE	2
6	P15.0304.003.0.PR	INLET VALVE	1
7	P15.0304.004.0.PR	EXHAUST VALVE	1
8	P15.0304.024.0.PR	INNER VALVE SPRING	2
9	P15.0304.023.0.PR	OUT VALVE SPRING	2
10	P15.0304.047.0.PR	STEM SEAL	2
11	P15.0304.022.0.PR	VALVE SPRING SEAT	2
12	P15.0304.007.0.PR	VALVE COLLET	4
13	P15.0304.049.0.PR	DOWEL	1
14	P15.0304.048.0.PR	PLUG	2
15	P15.0304.051.0.PR	COPPER WASHER	2
16	P15.0304.046.0.PR	DRAIN COCK	1
17	P15.0304.052.0.PR	DOWEL	1
18	P15.0104.040.0.PR	SHORT STUD FOR ROCKER ARM SHAFT SUPPORT	1
19	P15.0304.002.0.PR	LONG STUD FOR ROCKER ARM SHAFT SUPPORT	1
	P15.0304.053.0.PR	ROCKER ARM ASSEMBLY	1
20	P15.0305.002.0.PR	ROCKER ARM SHAFT SUPPORT	1
21	57.506.10.000	WASHER 10	3
22	57.006.10.000	HEXAGON NUT M10	3
23	P15.0305.005.0.PR	ROCKER ARM SHAFT	1
24	P15.0305.003.0.PR	ROCKER ARM BUSHING	2
25	P15.0305.001.0.PR	ROCKER ARM	2
26	P15.0304.012.0.PR	ADJUSTING SCREW	2
27	P15.0305.006.0.PR	HEXAGON NUT M8X1	2
28	P15.0304.016.0.PR	WASHER FOR ROCKER ARM SHAFT	2
29	P50.501.17.000	CIRCLIP FOR ROCKER ARM SHAFT	2
30	P15.0304.014.0.PR	CYLINDER HEAD COVER PACKING	1
31	P15.0319.001.0.PR	CYLINDER HEAD COVER	1
32	57.505.10.000	WASHER 10-140 HV	1
33	P15.0319.008.0.PR	OIL INDICATOR	1
34	P15.0319.009.0.PR	OIL INDICATOR PISTON	1
35	P15.0319.012.0.PR	OIL INDICATOR SPINDLE	1
36	P15.0319.011.0.PR	OIL INDICATOR SPRING	1
37	P15.0305.007.0.PR	WASHER	1
38	P15.0319.014.0.PR	RED FLOAT OF OIL INDICATOR	1
39	P15.0519.002.0.PR	GASKET FOR HEAT SHIELD	1
40	P15.0319.013.0.PR	OIL INDICATOR UNION	1
41	P15.0319.015.0.PR	CAP OF RED FLOAT OF OIL INDICATOR	1
42	P15.0519.003.0.PR	HEAT SHIELD	1
43	P15.0305.009.0.PR	DECOMPRESSION LEVER SUPPORT SHAFT	1
44	P15.0319.020.0.PR	ASSEMBLY OF DECOMPRESSION	1
45	P15.0319.003.0.PR	DECOMPRESSION SHAFT	1
46	P15.0319.006.0.PR	DECOMPRESSION SHAFT BUSHING	1
47	P15.0319.007.0.PR	SET NUT	1
48	P15.0319.004.0.PR	DECOMPRESSION LEVER SPRING	1
49	P15.0319.005.0.PR	DECOMPRESSION LEVER	1
50	P50.010.10.040	BOLT FOR INJECTOR CLAMPING PLATE	1
51	P15.0309.032.0.PR	INJECTOR CLAMP	1
52	P15.0104.051.0.PR	CUP WASHER 10	1
53	57.505.08.000	SPRING WASHER 8	4
54	P50.003.08.025	HEXAGON BOLT M8X28	4

PISTON & CONNECTING ROD ASSEMBLY



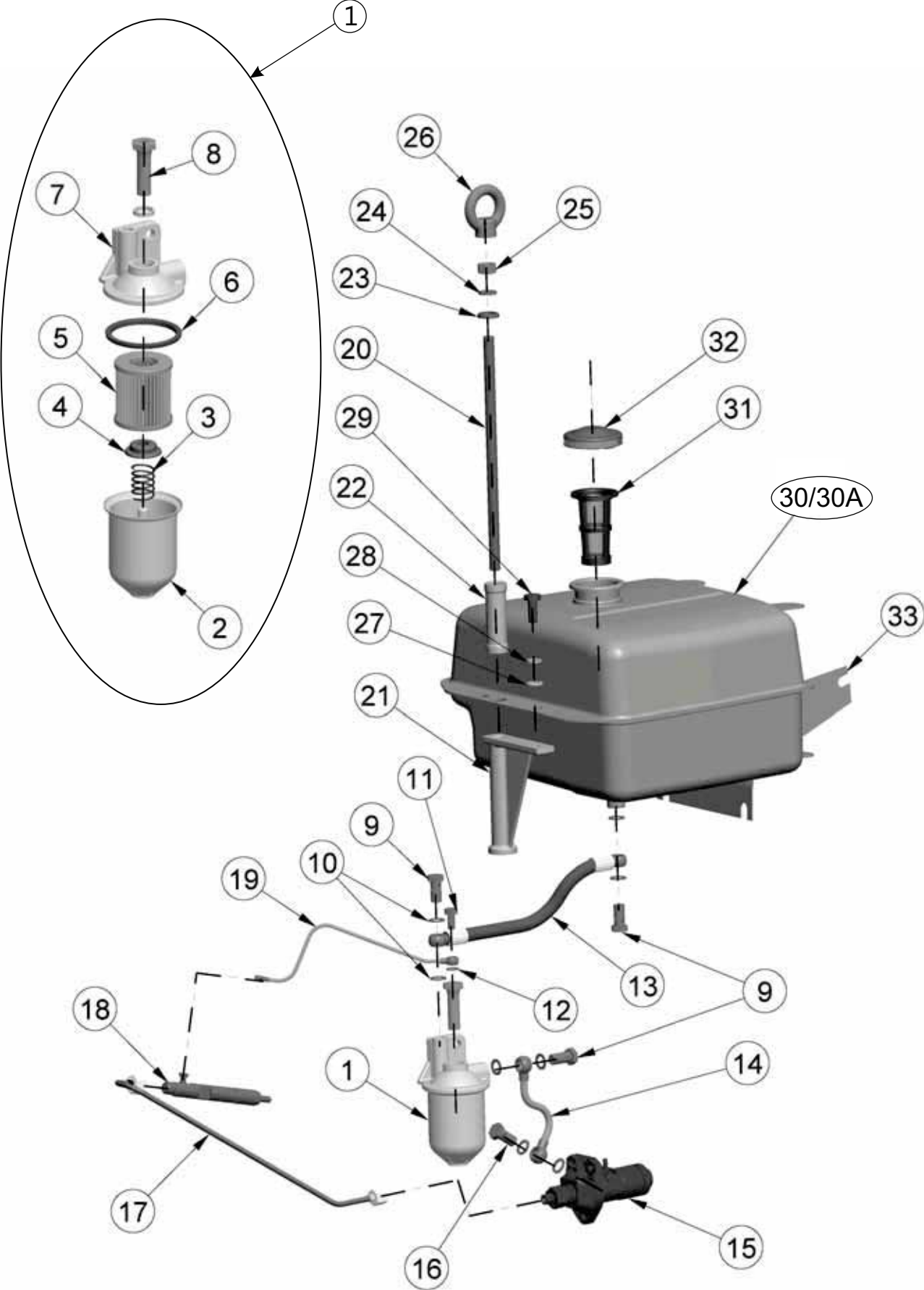
PISTON & CONNECTING ROD ASSEMBLY

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1	P15.0306.051.0.PR	CONNECTING ROD	1
2	P15.0306.056.0.PR	CONNECTING ROD BEARING SHELL	2
3	P15.0306.055.0.PR	GUIDE	2
4	P15.0306.052.0.PR	CONNECTING ROD CAP	1
5	P15.0306.054.0.PR	CONNECTING ROD BOLT	2
6	P15.0306.053.0.PR	CONNECTING ROD BUSHING	1
7	P15.0306.001.0.PR	PISTON	1
8	P15.0305.105.0.PR	PISTON PIN	1
9	P15.0305.106.0.PR	CIRCLIP35 FOR PISTON PIN	2
	P15.0306.020.0.PR	SET OF RINGS	1
10	P15.0305.102.0.PR	COMPRESSION RING 1	1
11	P15.0305.103.0.PR	COMPRESSION RING 2	1
12	P15.0305.104.0.PR	OIL SCRAPER RING	1



FLYWHEEL, CRANKSHAFT & BALANCING MECHANISM

Sr. No.	Item	Description	Qty
1	P15.0307.001.0.PR	CRANKSHAFT	1
2	P15.0307.004.0.PR	CIRCLIP A	1
3	P15.0302.017.0.PR	MAIN BEARING HOUSING MOUNTING SHIM	1
4	P15.0308.001.0.PR	MAIN BEARING HOUSING	1
5	P50.032.08.010	PLUG (M8X12)	2
6	P15.0308.002.0.PR	BEARING 6314	1
7	P15.0308.004.0.PR	FENDER PLATE	2
8	57.506.05.000	WASHER 5	4
9	P15.0107.006.0.PR	HEXAGON BOLT M6X10	4
10	P50.402.12.040	FLAT KEY 12X40	1
11	P15.0308.003.0.PR	OIL SEAL FOR CRANKSHAFT	1
12	P15.0108.003.0.PR	WASHER 8 140HV	6
13	50.002.08.025	BOLT M8X25	6
14	P15.0307.012.0.PR	FLYWHEEL	1
15	P15.0307.013.0.PR	LOCK WASHER	1
16	P15.0307.014.0.PR	FLYWHEEL NUT	1
17	P15.0307.015.0.PR	V BELT PULLEY	1
18	P50.506.14.000	WASHER 14	3
19	P50.003.10.038	HEXAGON BOLT M10X38	3
20	P50.021.20.020	CRANKSHAFT SCREW PLUG	1
21	P15.0307.005.0.PR	CIRCLIP B	1
22	P15.0301.012.0.PR	BEARING NJ2211	1
23	P15.0307.002.0.PR	CRANKSHAFT TIMING GEAR	1
24	P50.501.30.000	CIRCLIP 30	1
25	P15.0307.017.0.PR	ASSEMBLY OF SPECIAL BANJO BOLT	1
26	P15.0307.008.0.PR	FLAT KEY 8X16	1
27	P15.0307.011.0.PR	LOWER BALANCING SHAFT	1
28	P15.0307.008.0.PR	FLAT KEY 6X16	2
29	P15.0307.006.0.PR	UPPER BALANCING SHAFT	1
30	P15.0307.007.0.PR	BALANCING SHAFT GEAR	2
31	P15.0307.009.0.PR	WASHER	2
32	P50.508.08.000	SPRING WASHER 8	2
33	57.003.08.016	HEXAGON BOLT M8X16	2
OPTIONAL			
14A	P15.0607.001.0.PR	FLYWHEEL WITH RING	1
17A	P15.0101.127.0.PR	FLYWHEEL PULLEY 180 DIA	1



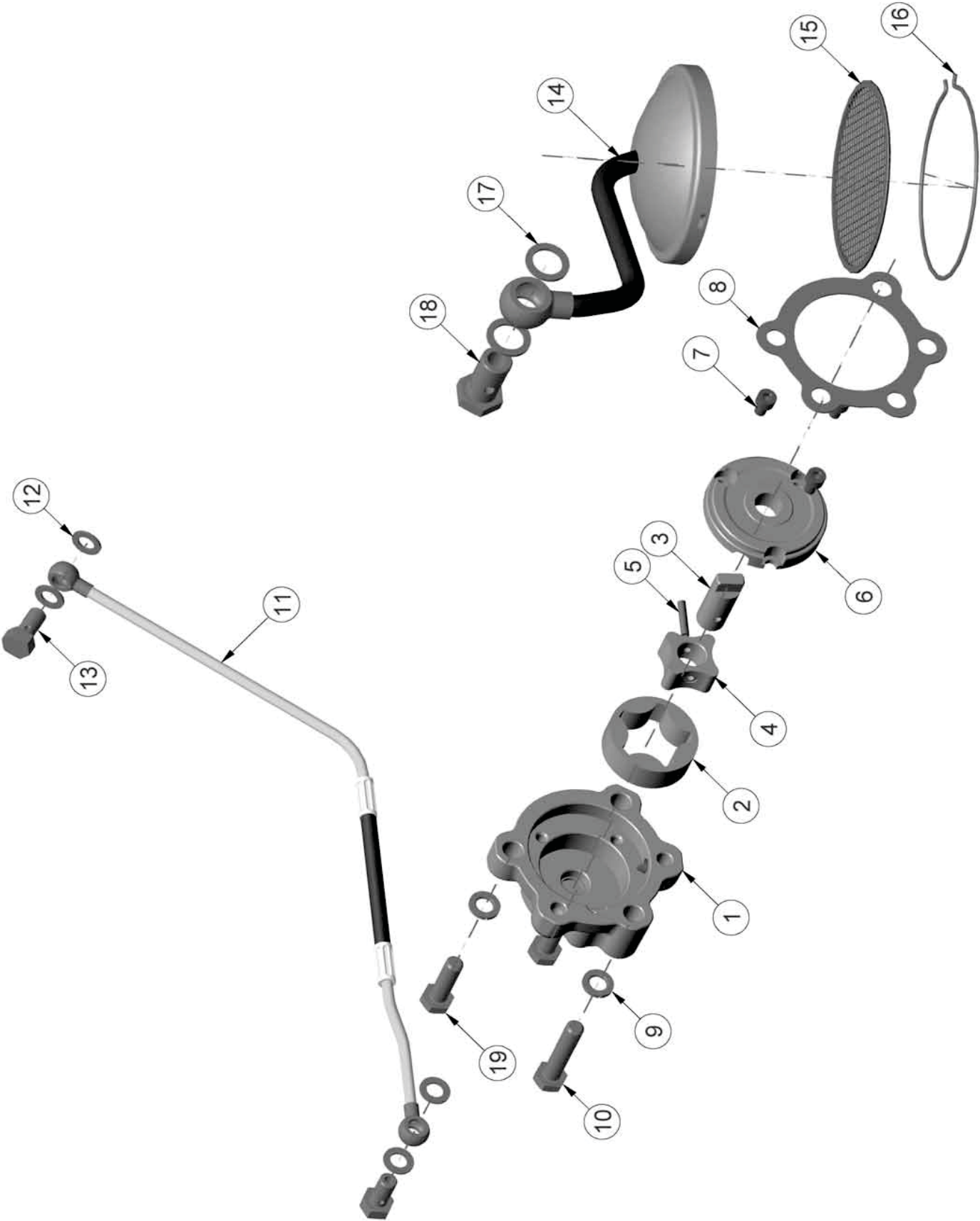
FUEL SYSTEM

Sr. No.	Item	Description	Qty
1	P15.0310.010.0.PR	FUEL FILTER ASSEMBLY	1
2	P15.0310.007.0.PR	FUEL FILTER BODY	1
3	P15.0310.006.0.PR	SPRING	1
4	P15.0310.004.0.PR	FUEL FILTER HOLDER	1
5	P15.0310.009.0.PR	FUEL FILTER ELEMENT	1
6	P15.0310.003.0.PR	SEAL RING	1
7	P15.0310.028.0.PR	FUEL FILTER COVER	1
8	P15.0310.002.0.PR	HOLDING NUT	1
9	P50.504.03.000	PIPE CONNECTING BOLT	3
10	P50.508.09.000	SPECIAL WASHER	6
11	P50.504.02.000	PIPE CONNECTING BOLT	1
12	50.508.06.000	COPPER WASHER M8	2
13	P15.0310.018.0.PR	FUEL PIPE ASSEMBLY	1
14	P15.0310.021.0.PR	FUEL PIPE	1
15	P15.0109.026.0.PR	FUEL INJECTION PUMP	1
16	P50.504.03.000	FUEL INLET PIPE CONNECTING SCREW	1
17	P15.0209.030.0.PR	HIGH PRESSURE PIPE ASSEMBLY	1
18	P15.0209.040.0.PR	INJECTOR ASSEMBLY	1
19	P15.0310.023.0.PR	FUEL RETURN PIPE	1
20	P15.0310.025.0.PR	LIFTING STUD	1
21	P15.0310.014.0.PR	FUEL TANK SUPPORT (A)	1
22	P15.0310.015.0.PR	FUEL TANK SUPPORT (B)	1
23	57.505.10.000	WASHER	1
24	P50.548.12.000	WASHER 12-140 HV	1
25	57.506.12.000	NUT M12	1
26	P15.0310.016.0.PR	LIFTING EYE NUT	1
27	57.505.10.000	WASHER 10-140 HV	1
28	57.506.10.000	WASHER 10	1
29	P15.0304.00.0.PR	BOLT M10X20	1
30	P15.0309.010.0.PR	FUEL TANK ASSEMBLY	1
30A	P15.0310.024.0.PR	FUEL TANK FOR ELECTRIC START	1
31	P15.0310.013.0.PR	FUEL FILTER SCREW	1
32	P15.0310.050.0.PR	FUEL TANK CAP ASSEMBLY	1
	P15.0310.026.0.PR	SUPPORT PLATE	1
	P15.0310.027.0.PR	SPRING	1
33	P15.0310.012.0.PR	FUEL TANK BRACKET	1



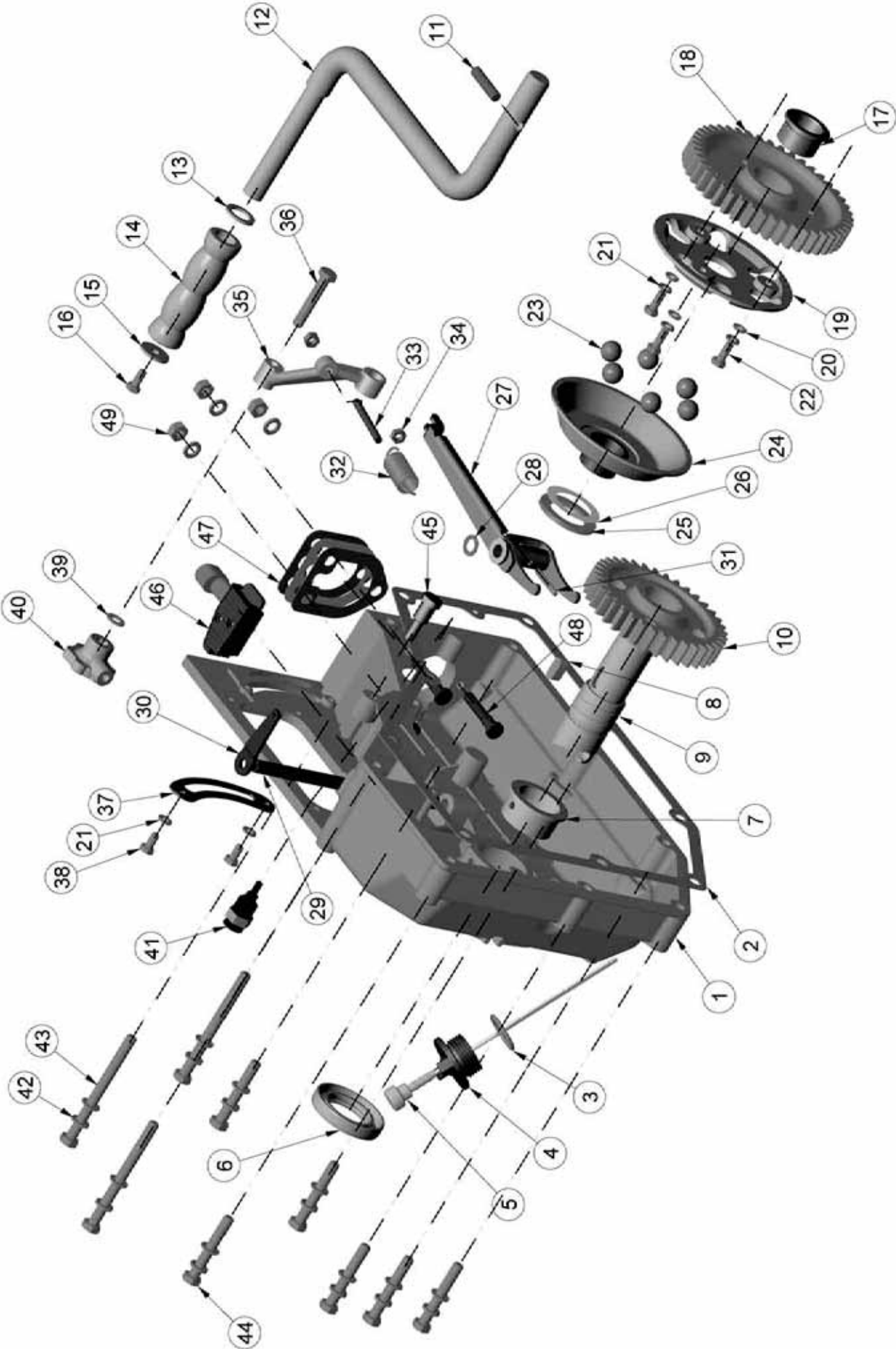
EXHAUST SYSTEM

Sr. No.	Item	Description	Qty
1	P15.0310.001.0.PR	EXHAUST MANIFOLD	1
2	P15.0304.032.0.PR	GASKET	1
3	P15.0310.008.0.PR	LOCK NUT	1
	P15.0210.010.0.PR	HEAT SHIELD ASSEMBLY	1
	P15.0210.050.0.PR	SILENCER WITH BUSH	1
4	P15.0318.003.0.PR	SILENCER	1
5	P15.0210.006.0.PR	BUSH FOR POWER TILLER3	3
	P15.0210.005.0.PR	ASSEMBLY OF SILENCER COVER	1
6	P15.0210.007.0.PR	COVER FOR SILENCER	1
7	57.506.08.000	PLAIN MACHINED WASHER	3
8	57.505.08.000	SPRING WASHER	3
9	57.003.08.016	SET SCREW OF COARSE PITCH	3



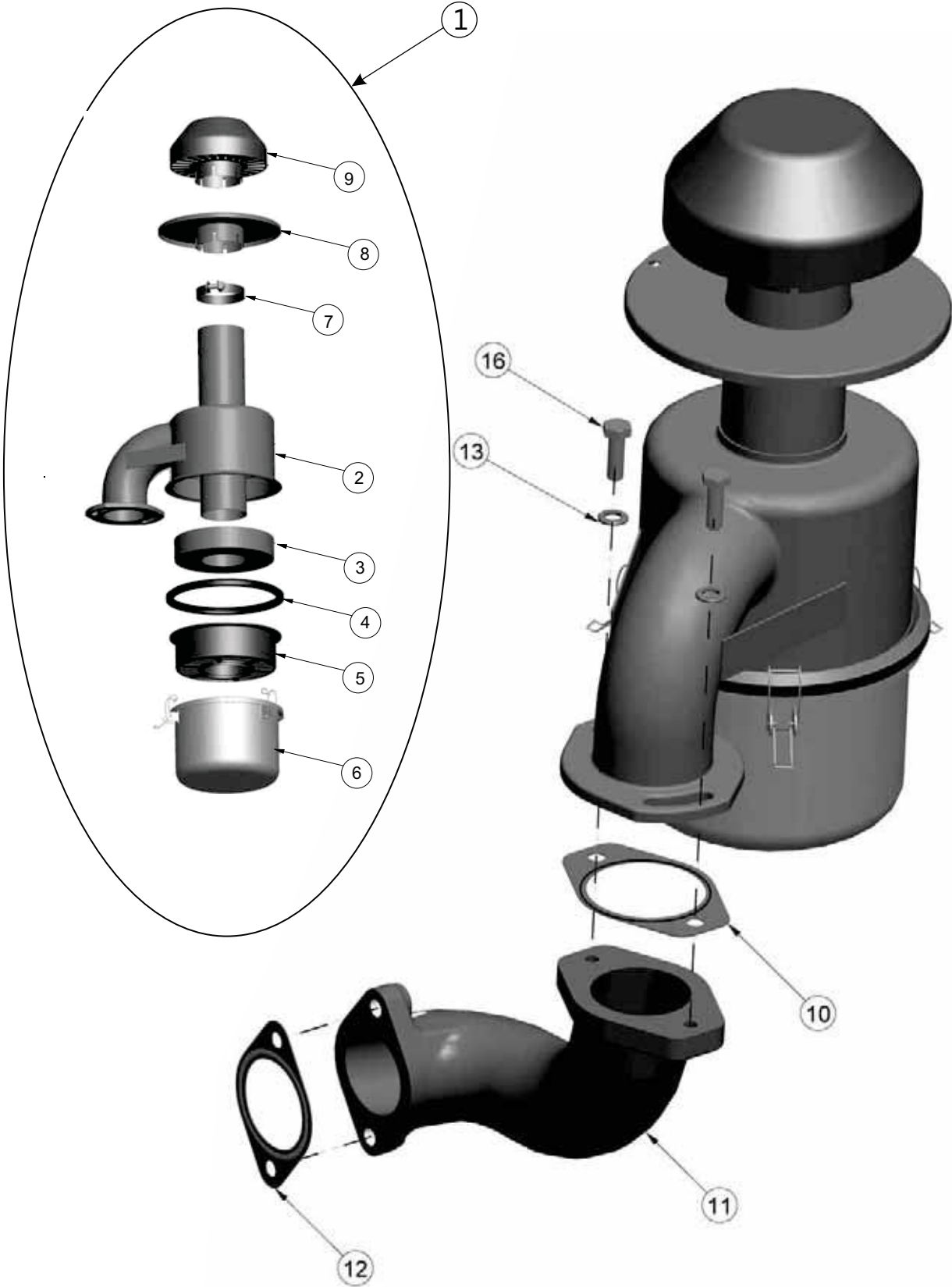
LUBRICATION SYSTEM

Sr. No.	Item	Description	Qty
	P15.0311.020.0.PR	OIL PUMP ASSEMBLY	1
1	P15.0311.003.0.PR	LUBRICATING OIL PUMP BODY	1
2	P15.0311.005.0.PR	OUTER ROTOR	1
3	P15.0311.008.0.PR	OIL PUMP SHAFT	1
4	P15.0311.006.0.PR	INNER ROTOR	1
5	P15.0311.002.0.PR	CYLINDRICAL PIN	1
6	P15.0311.009.0.PR	OIL PUMP COVER	1
7	P15.0311.015.0.PR	ALLEN SCREW	3
8	P15.0311.011.0.PR	LUBRICATING OIL PUMP PACKING	1
9	57.505.08.000	SPRING WASHER 8	3
10	P50.003.08.040	HEXAGON BOLT M8X40	1
11	P15.0311.001.0.PR	OIL PIPE	1
12	P50.508.05.000	WASHER	4
13	P50.504.01.000	PIPE CONNECTING BOLT	2
	P15.0311.030.0.PR	OIL STRAINER ASSEMBLY	1
14	P15.0311.012.0.PR	OIL STRAINER BODY WITH SUCTION PIPE	1
15	P15.0311.014.0.PR	OIL STRAINER SCREEN	1
16	P15.0311.018.0.PR	CIRCLIP	1
17	P50.508.11.000	WASHER	2
18	P15.0311.013.0.PR	PIPE CONNECTION BOLT	1
19	P50.003.08.028	HEXAGON BOLT M8X28	2



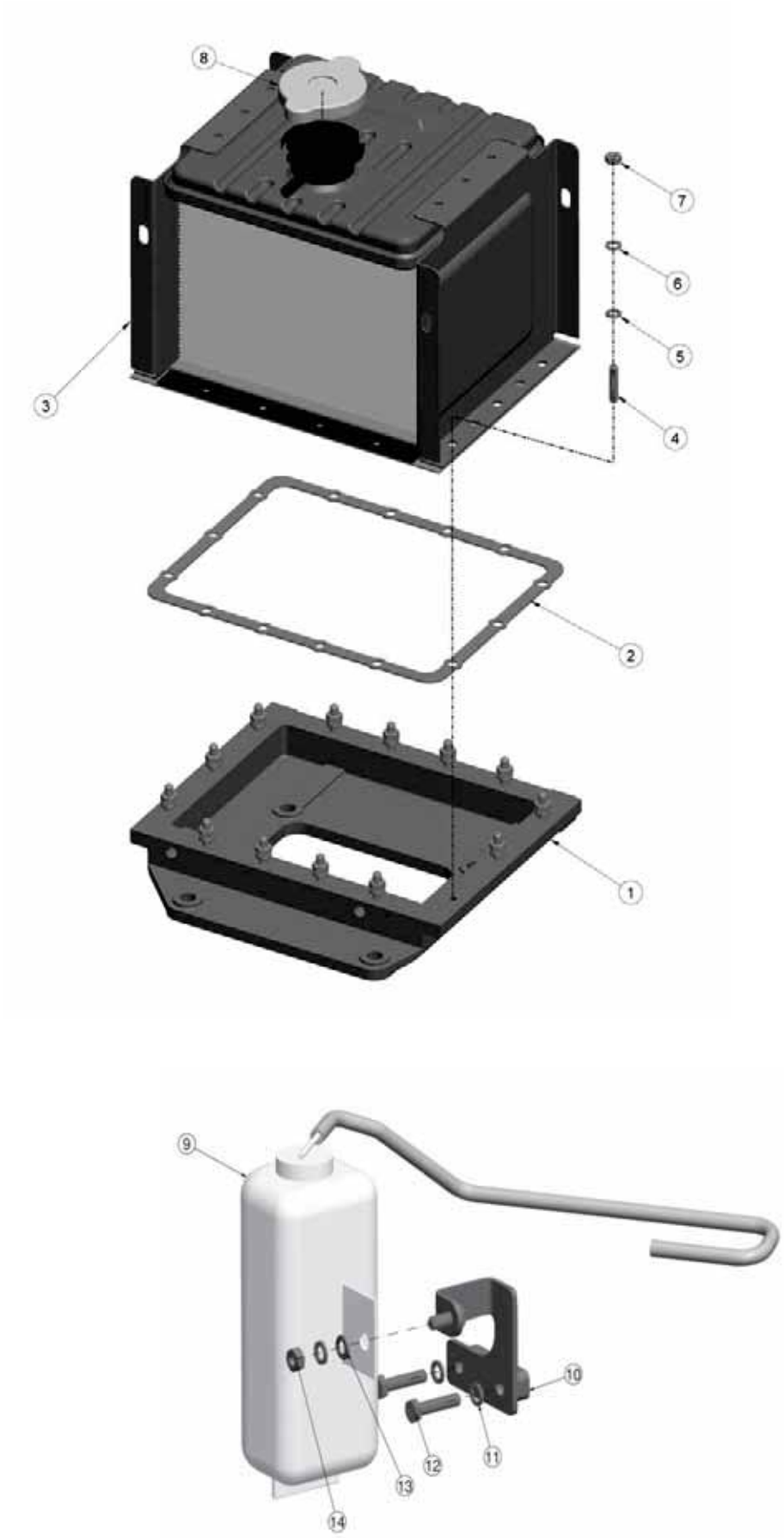
GEAR CASING ASSEMBLY

Sr. No.	Item	Description	Qty
1	P15.0312.001.0.PR	GEAR CASING	1
2	P15.0312.033.0.PR	GEAR CASING PACKING	1
3	P15.0312.027.0.PR	O-RING FOR CAP	1
4	P15.0312.026.0.PR	CAP FOR OIL FILLING HOLE	1
5	P15.0512.039.0.PR	CAP WITH DIPSTICK	1
6	p15.0312.021.0.PR	OIL SEAL RING (DIA 35X58X10)	1
7	P15.0312.015.0.PR	STARTING GEAR SHAFT BUSHING	1
8	P15.0707.051.0.PR	FLAT KEY 8X16	1
9	P15.0312.013.0.PR	STARTING GEAR SHAFT	1
10	P15.0312.014.0.PR	STARTING GEAR	1
	P15.0302.010.0.PR	STARING HANDLE ASSEMBLY	1
11	P50.401.08.035	DOWEL PIN 8X35	1
12	P15.0302.001.0.PR	STARTING HANDLE	1
13	P15.0302.047.0.PR	SPECIAL WASHER	1
14	P15.0302.003.0.PR	GRIP FOR HANDLE	1
15	P15.0302.046.0.PR	SPECIAL WASHER	1
16	P50.003.06.014	SET SCREW - M6X1X14 - 8.8	1
17	P15.0312.009.0.PR	GOVERNER GEAR BUSHING	1
18	P15.0312.017.0.PR	GOVERNOR GEAR	1
19	P15.0312.011.0.PR	GOVERNER BALL SPACE	1
20	57.506.08.000	WASHER 6 140 HV	3
21	P15.0112.009.0.PR	SPRING WASHER 6	4
22	P50.003.06.012	BUTTON HEAD CAP SCREW M6X18	3
23	P50.529.25.000	STEEL BALL 16	6
24	P15.0312.012.0.PR	GOVERNOR BALL RACE	1
25	P15.0112.036.0.PR	SINGLE DIRECTION THRUST BALL BEARING 51106	1
26	P15.0312.022.0.PR	PACKING FOR GOVERNOR BALL RACE	1
	P15.0312.034.0.PR	GOVERNOR LEVER ASSEMBLY	1
27	P15.0312.019.0.PR	GOVERNOR FORK	1
28	P15.0112.008.0.PR	ADJUSTING WASHER	1
29	P15.0312.004.0.PR	GOVERNER FORK SHAFT	1
30	P15.0312.005.0.PR	GOVERNER ARM	1
31	P50.407.09.030	TAPER PIN 4X25	1
32	P15.0312.020.0.PR	GOVERNER SPRING	1
33	P15.0312.006.0.PR	ADJUSTING SCREW	1
34	57.006.06.000	NUT M6	2
35	P15.0312.002.0.PR	SPEED CONTROL LEVER	1
36	P50.003.08.040	HEXAGON BOLT M8X40	1
37	P15.0312.003.0.PR	SPEED INDICATING PANEL	1
38	P15.0112.027.0.PR	BUTTON HEAD CAP SCREW M6X12	2
39	57.506.08.000	WASHER 8 140HV	1
40	P15.0312.024.0.PR	SPEED CONTROL LEVER KNOB	1
41	P15.0312.032.0.PR	FUEL LIMITER	1
42	57.505.08.000	SPRING WASHER 8	9
43	P50.003.08.095	HEXAGON BOLT M8X95	3
44	P50.003.08.055	HEXAGON BOLT M8X55	6
45	P15.0312.007.0.PR	SPEED CONTROL LEVER SHAFT	1
46	P15.0312.025.0.PR	CRANKSHAFT BREATHER	1
47	P15.0212.060.0.PR	SET OF SHIMS FOR FIP	1
	P15.0312.044.0.PR	SHIM FOR FUEL INJECTION	1
	P15.0312.051.0.PR	SHIM FOR FUEL INJECTION	1
	P15.0312.044.0.PR	SHIM FOR FUEL INJECTION	1
48	P15.0312.031.0.PR	FUEL INJECTION PUMP MOUNTING BOLT	3
49	P15.0312.035.0.PR	CONNECTING BOLT	1



INTAKE SYSTEM

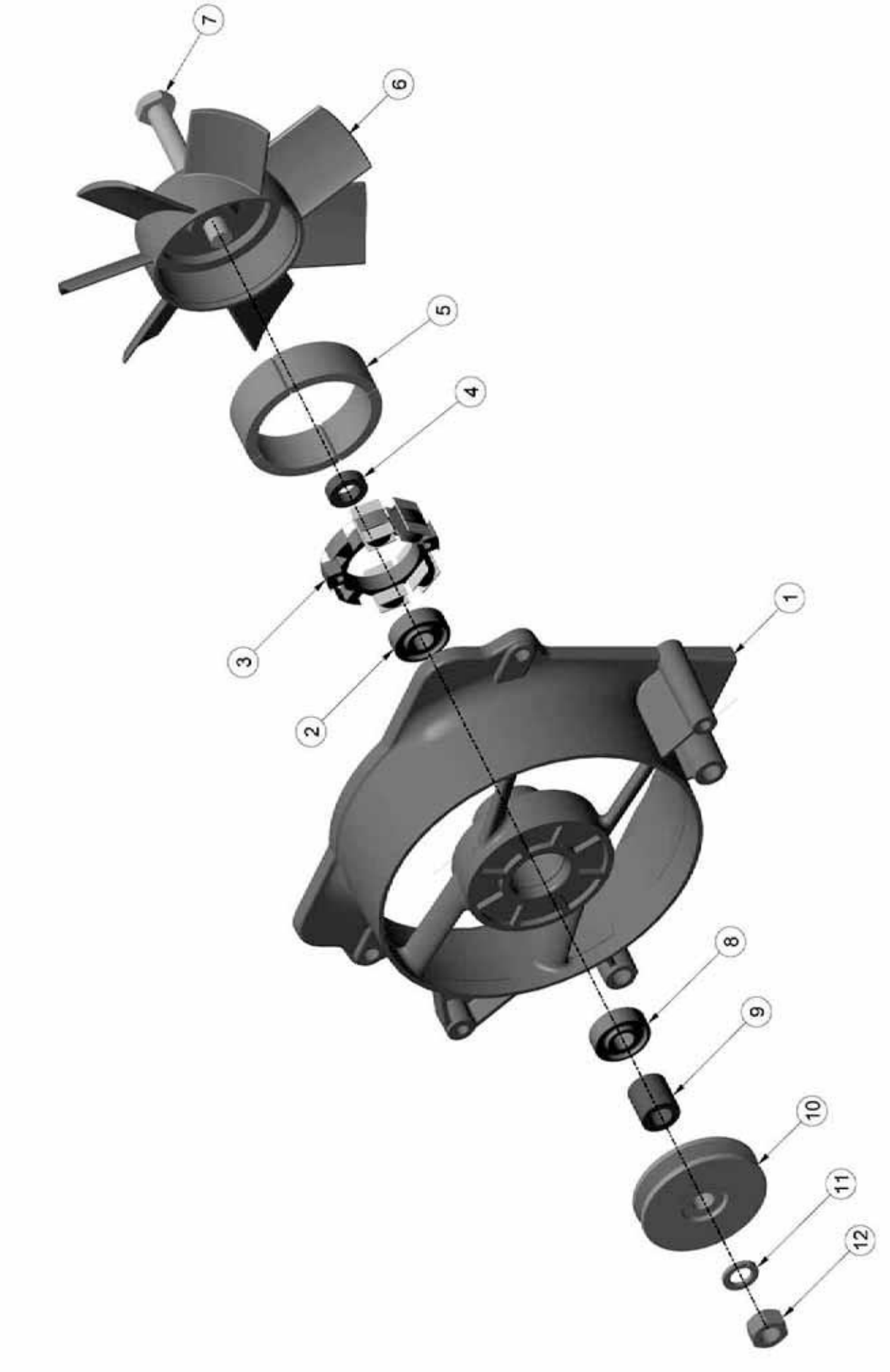
Sr. No.	Item	Description	Qty
1	P15.0313.020.0.PR	AIR CLEANER ASSEMBLY	1
2	P15.0313.030.0.PR	AIR FILTER BODY	1
3	P15.0313.006.0.PR	AIR FILTER ELEMENT	1
4	P15.0513.006.0.PR	RUBBER SEAL	1
5	P15.0213.010.0.PR	ASSEMBLY OF AIR FILTER ELEMENT	1
	P15.0313.004.0.PR	ABOVE COVER OF AIR FILTER ELEMENT	1
	P15.0313.006.0.PR	AIR FILTER ELEMENT	1
	P15.0313.007.0.PR	AIR FILTER ELEMENT BODY	1
6	P15.0313.037.0.PR	AIR FILTER BODY	1
7	48.305.06.0.00	CLIP FOR AIR CLEANER	1
8	P15.2301.094.0.PR	MUD COVER	1
9	P15.0313.002.0.PR	AIR FILTER COVER	1
10	P15.0313.021.0.PR	GASKET	1
11	P15.0313.001.0.PR	INLET MANIFOLD	1
12	P15.0304.037.0.PR	GASKET	1
13	57.506.06.000	PLAIN MACHINED WASHER M6	4
14	50.505.08.000	SPRING WASHER	2
15	50.002.08.030	BOLT COARSE PITCH	2
16	50.003.08.025	SET SCREW OF COARSE PITCH	2
OPTIONAL			
9A	P15.0513.013.0.PR	PRE CLEANER ASSEMBLY	1



RADIATOR COOLING SYSTEM

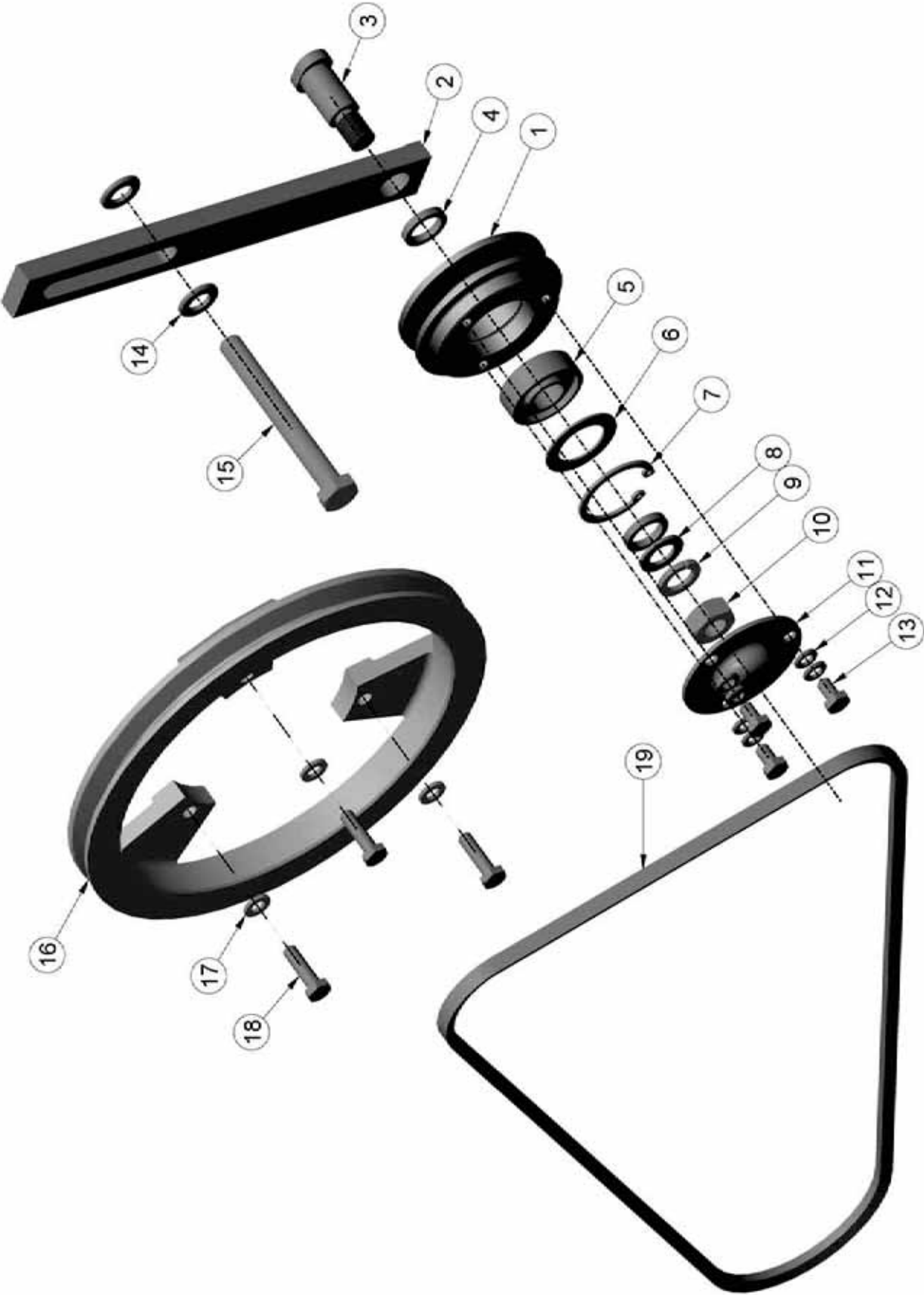
Sr. No.	Item	Description	Qty
1	P15.0214.015.0.PR	BASE PLATE	1
2	P15.0514.001.0.PR	GASKET	1
3	P15.0315.002.0.PR	RADIATOR SYSTEM	1
4	P50.030.06.020	STUD M6X20	14
5	57.506.06.000	PLAIN MACHINED WASHER - M6	14
6	57.505.06.000	SPRING WASHER M6 (GB T93)	14
7	57.006.06.000	NUT M6	14
8	P15.0214.025.0.PR	RADIATOR CAP	1
*9	4H.762.03.0.00	RECOVERY TANK WITH PIPE (FOR 2R TO 4R RADIATORS)	1
*10	P15.0315.032.0.PR	BRACKET FOR BOTTLE	1
*11	57.505.08.0.00	SPRING WASHER - M8 WITH TRIVALENT PLATING	3
*12	50.002.08.035	SET BOLT M8x1.25x35 - 8.8	2
*13	57.506.08.0.00	PLAIN MACHINED WASHER M8 WITH TRIVALENT PLATING	1
*14	57.006.08.000	NUT - M8x1.25 - GR 8.8	1

* APPLICABLE ONLY FOR SELECT MODELS OF SCC & SLSC



FAN ASSEMBLY

Sr. No.	Item	Description	Qty
	P15.0315.030.0.PR	FAN ASSEMBLY	1
1	P15.0315.015.0.PR	FAN BODY	1
2	P15.0315.020.0.PR	BALL BEARING 6202	1
3	P15.0315.011.0.PR	ARMATURE	1
4	P15.0315.007.0.PR	ADJUSTING SHIM	1
5	P15.0315.010.0.PR	ELEC. PART IN FAN ASSEMBLY	1
6	P15.0315.003.0.PR	IMPELLER	1
7	P15.0315.006.0.PR	FAN SHAFT	1
8	P15.0315.004.0.PR	BALL BARING 6201	1
9	P15.0315.009.0.PR	SPACER FOR FAN PULLEY	1
10	P15.0315.008.0.PR	FAN PULLEY	1
11	50.505.12.000	SPRING WASHER	1
12	50.006.12.000	HEX. NUT	1



TRANSMISSION ASSEMBLY

Sr. No.	Item	Description	Qty
	P15.0350.020.0.PR	TENSION PULLEY ASSEMBLY	
1	P15.0516.013.0.PR	TENSION PULLEY	1
2	P15.0316.002.0.PR	BRACKET	1
3	P15.0316.001.0.PR	SHAFT	1
4	P15.0316.006.0.PR	RING	2
5	P15.0516.011.0.PR	BALL BEARING (6202 ZZ)	1
6	P15.0516.009.0.PR	SEAL RING	1
7	P50.502.35.000	CIRCLIP (INTERNAL)	1
8	57.505.12.000	WASHER 12	1
9	57.506.12.000	WASHER 12-140 HV (GB/T97.1)	1
10	P50.006.12.000	HEX. NUT	1
11	P15.0316.007.0.PR	COVER	1
12	57.506.06.000	PLAIN MACHINED WASHER	6
13	P50.003.06.010	SET SCREW OF COARSE PITCH	3
14	57.506.10.000	PLAIN MACHINED WASHER	2
15	P50.002.10.085	BOLT COARSE PITCH	1
16	P15.0307.016.0.PR	BIG BELT PULLEY	1
17	57.506.06.000	PLAIN MACHINED WASHER - M6	3
18	P50.003.06.020	BOLT M6X20	3
19	P15.0316.008.0.PR	'V' BELT	1



**Transmission &
Body Parts Catalogue**

MEGA T
Revolutionary Farm Machine

Farm Mechanisation Business Unit

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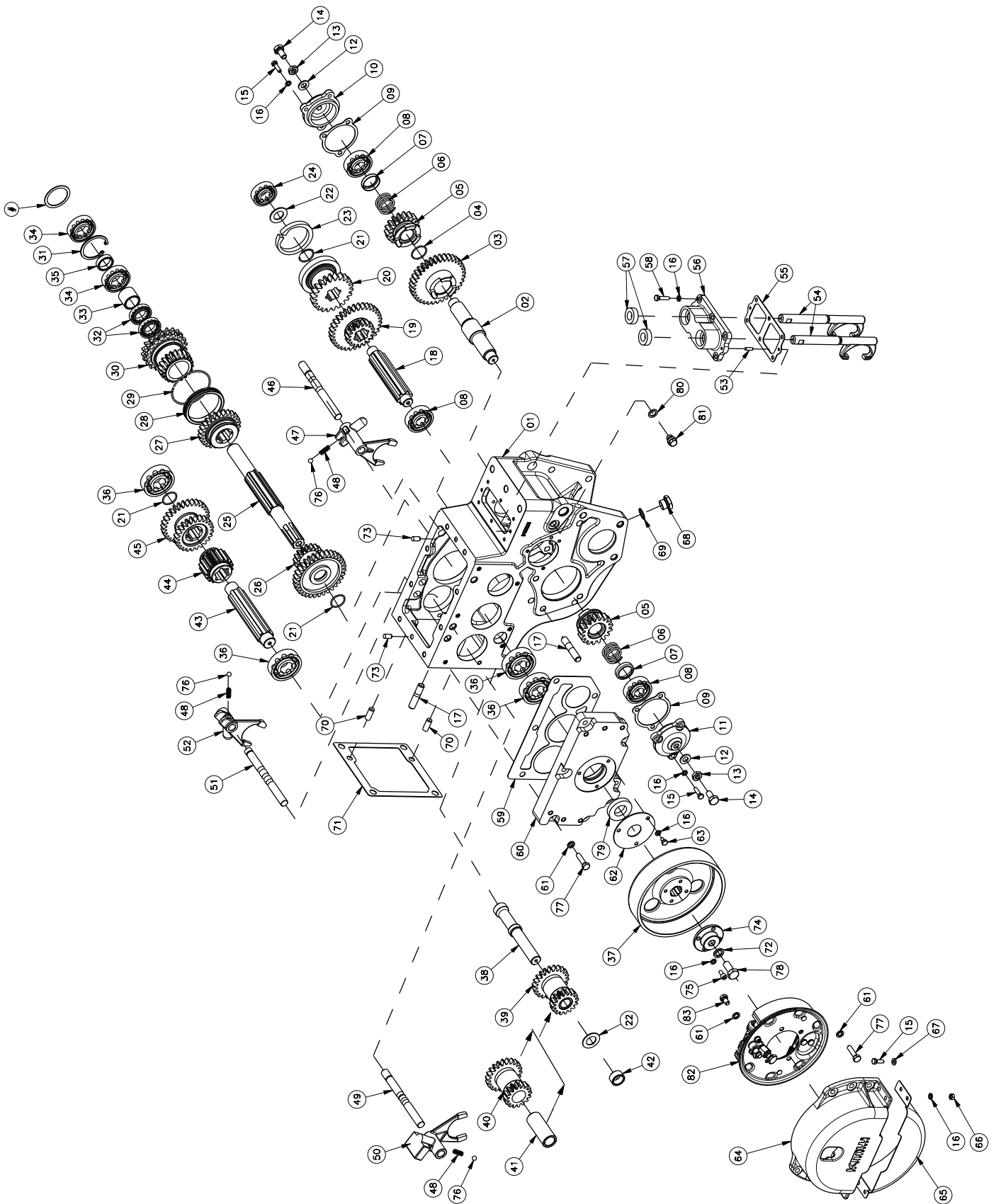
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GEAR BOX ASSEMBLY

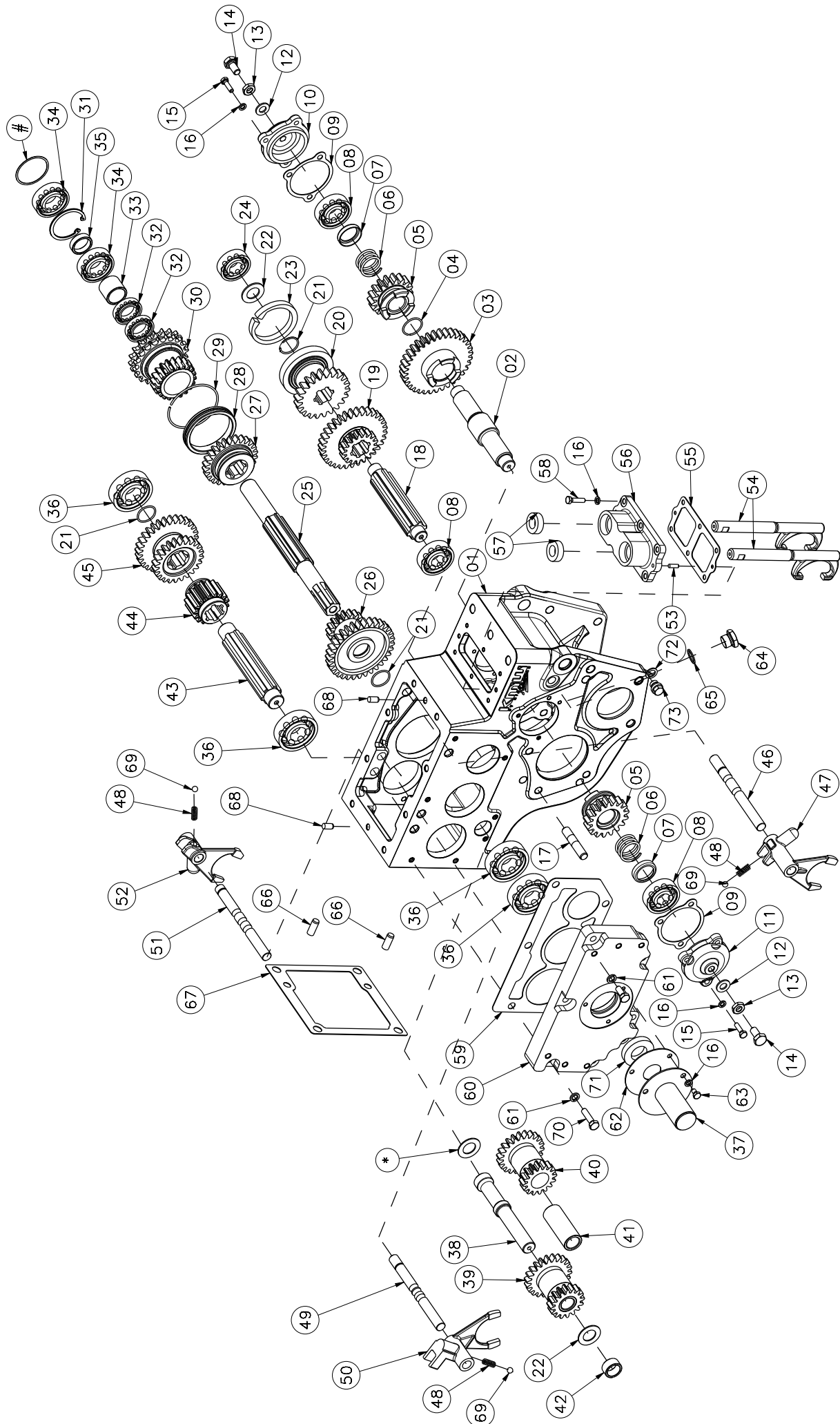


GEAR BOX ASSEMBLY

Sr. No.	Item	Description	Qty.
1	P15.0901.041.0.PR	GEAR BOX HSG	1
	P15.0901.120.0.PR	GEAR INTERMEDIATE REDUCTION 2 & SHAFT ASSY. (Consists Sr. No. 2-4)	1
2	P15.0901.025.0.PR	SHAFT, GEAR INTERMEDIATE REDUCTION 2	1
3	P15.0902.109.0.PR	GEAR INTERMEDIATE REDUCTION 2	1
4	P15.0901.099.0.PR	SNAP RING FOR SHAFT	1
5	P15.0902.108.0.PR	GEAR, STEERING	2
6	P15.0901.076.0.PR	SPRING, STEERING	2
7	P15.0901.051.0.PR	PROTECTING RING	2
8	P15.0901.065.0.PR	BEARING 6304	3
9	P15.0901.082.0.PR	PAPER GASKET	2
10	P15.0901.043.0.PR	END COVER LH, INTERMEDIATE SHAFT REDUCTION 2	1
11	P15.0901.044.0.PR	END COVER RH, INTERMEDIATE SHAFT REDUCTION 2	1
12	57.507.10.000.	PLAIN PUNCHED WASHER - M10	2
13	57.008.10.000.	LOCK NUT - M10X1.5 - GR.8	2
14	57.003.10.020.	SET SCREW - M10X1.5X20 - 8.8	2
15	57.003.06.020.	SET SCREW - M6X1X20 - 8.8	10
16	57.505.06.000.	SPRING WASHER - M6	23
17	57.010.12.045.	STUD - M12X1.75X45 - 8.8	10
18	P15.0902.122.0.PR	SHAFT HIGH LOW SPEED RANGE	1
19	P15.0902.106.0.PR	GEAR, HI-LOW SPEED RANGE	1
20	P15.0902.107.0.PR	GEAR 1, INTERMEDIATE DRIVING	1
21	P15.0901.094.0.PR	SNAP RING FOR HOLE	3
22	P15.0901.091.0.PR	WASHER, MAIN & REVERSE SHAFT	2
23	P15.0901.046.0.PR	BRAKE RING	1
24	P15.0901.061.0.PR	BEARING 6204	1
25	P15.0902.136.0.PR	MAIN SHAFT, BRAKE	1
26	P15.0902.101.0.PR	GEAR, MAIN SHAFT	1
27	P15.0902.502.0.PR	GEAR HIGH SPEED	1
28	P15.0901.053.0.PR	SPACER RING	1
29	P15.0901.096.0.PR	RETAINING RING	1
30	P15.0902.103.0.PR	DRIVING GEAR MAIN SHAFT	1
31	50.502.52.000.	CIRCLIP INTERNAL - 52 MM	1
32	P15.0901.067.0.PR	BEARING 6905	2
33	P15.0901.055.0.PR	SLEEVE, MAIN SHAFT	1
34	P15.0901.062.0.PR	BEARING 6205	2
35	P15.0901.057.0.PR	OUTER SPACER	1
36	P15.0901.066.0.PR	BEARING 6305	4
37	P15.0901.033.0.PR	BRAKE DRUM	1
38	P15.0901.024.0.PR	SHAFT REVERSE GEAR	1
39	P15.0902.510.0.PR	GEAR, REVERSE WITH BUSH (Consists Sr, No 40, 41)	1
40	P15.0902.110.0.PR	GEAR REVERSE	1
41	P15.0901.056.0.PR	BUSH, GEAR REVERSE	1
42	P15.0901.558.0.PR	BUSH, REVERSE GEAR SHAFT	1
43	P15.0902.123.0.PR	SHAFT, IDLER GEAR	1
44	P15.0902.104.0.PR	GEAR, 1ST & REVERSE	1

Sr. No.	Item	Description	Qty.
45	P15.0902.105.0.PR	GEAR, IDLER	1
46	P15.0901.127.0.PR	RAIL,HIGH LOW RANGE	1
47	P15.0901.017.0.PR	SHIFTING FORK HIGH LOW SPEED RANGE	1
48	P15.0901.075.0.PR	SPRING, SHIFTING FORK	3
49	P15.0901.126.0.PR	RAIL,HIGH SPEED	1
50	P15.0901.216.0.PR	SHIFTING FORK HIGH SPEED	1
51	P15.0901.128.0.PR	RAIL,1ST & REVERSE	1
52	P15.0901.118.0.PR	FORK SHIFTING 1ST & REVERSE	1
53	50.401.06.016.	DOWEL PIN 5X16	2
54	P15.0901.519.0.PR	SHIFTING FORK STEERING	2
55	P15.0901.084.0.PR	PAPER GASKET,STEERING COVER	1
56	P15.0901.142.0.PR	COVER, STEERING	1
57	P15.0901.071.0.PR	OIL SEAL, 13M/30 16 10	2
58	57.003.06.025.	SET SCREW - M6X1X25 - 8.8	6
59	P15.0901.081.0.PR	PAPER GASKET RH SIDE, MAIN GEAR BOX	1
60	P15.0901.031.0.PR	COVER PLATE RH,BRAKE MTG.	1
61	57.505.08.000.	SPRING WASHER - M8	17
62	P15.0901.098.0.PR	RETAINING PLATE, BRAKE SHAFT OIL SEAL	1
63	57.003.06.010.	SET SCREW - M6X1X10 - 8.8	3
64	P15.0901.132.0.PR	COVER FOR BRAKE DRUM	1
65	P15.0901.035.0.PR	BRAKE DRUM COVER LOWER	1
66	57.006.06.000.	NUT - M6X1 - GR.8	4
67	57.507.06.000.	PLAIN PUNCHED WASHER - M6	4
68	2H.035.02.0.00	PRECOATED DRAIN PLUG	1
69	F6.024.47.0.00	O - RING FOR DRAIN PLUG	1
70	50.401.09.020.	DOWEL PIN 10X20	2
71	P15.0901.083.0.PR	PAPER GASKET, REAR FACE, MAIN GEAR BOX	1
72	57.505.12.000.	SPRING WASHER - M12	1
73	50.401.08.016.	DOWEL PIN 8X16	2
74	P15.0901.034.0.PR	RETAINER, BRAKE DRUM	1
75	57.011.06.012.	CAP SCREW, M6X1X12	4
76	50.529.09.000.	STEEL BALL DIA 8	3
77	57.003.08.030.	SET SCREW- M8X1.25X30-8.8	13
78	P15.0901.101.0.PR	SET SCREW, M12X1.75 LH	1
79	P15.1801.017.0.PR	OIL SEAL, 13M/47 25 10	1
80	50.508.10.000.	COPPER WASHER 12*18	1
81	50.602.12.000.	CORE PLUG-HEXAGONAL HEAD - M12	1
82	P15.0901.151.0.PR	BRAKE ASSEMBLY	1
83	57.003.08.014.	SET SCREW - M8X1.25X14 - 8.8	4
#	P15.0901.102.0.PR	FILLER PLATE 0.5 THK, MAIN SHAFT	AR
#	P15.0901.103.0.PR	FILLER PLATE 1 THK, MAIN SHAFT	AR
#	P15.0901.104.0.PR	FILLER PLATE 1.5 THK, MAIN SHAFT	AR
*	P15.0901.091.0.PR	WASHER, MAIN & REVERSE SHAFT	AR
*	P15.0901.191.0.PR	WASHER, MAIN & REVERSE SHAFT	AR

GEAR BOX ASSEMBLY MEGA T-12

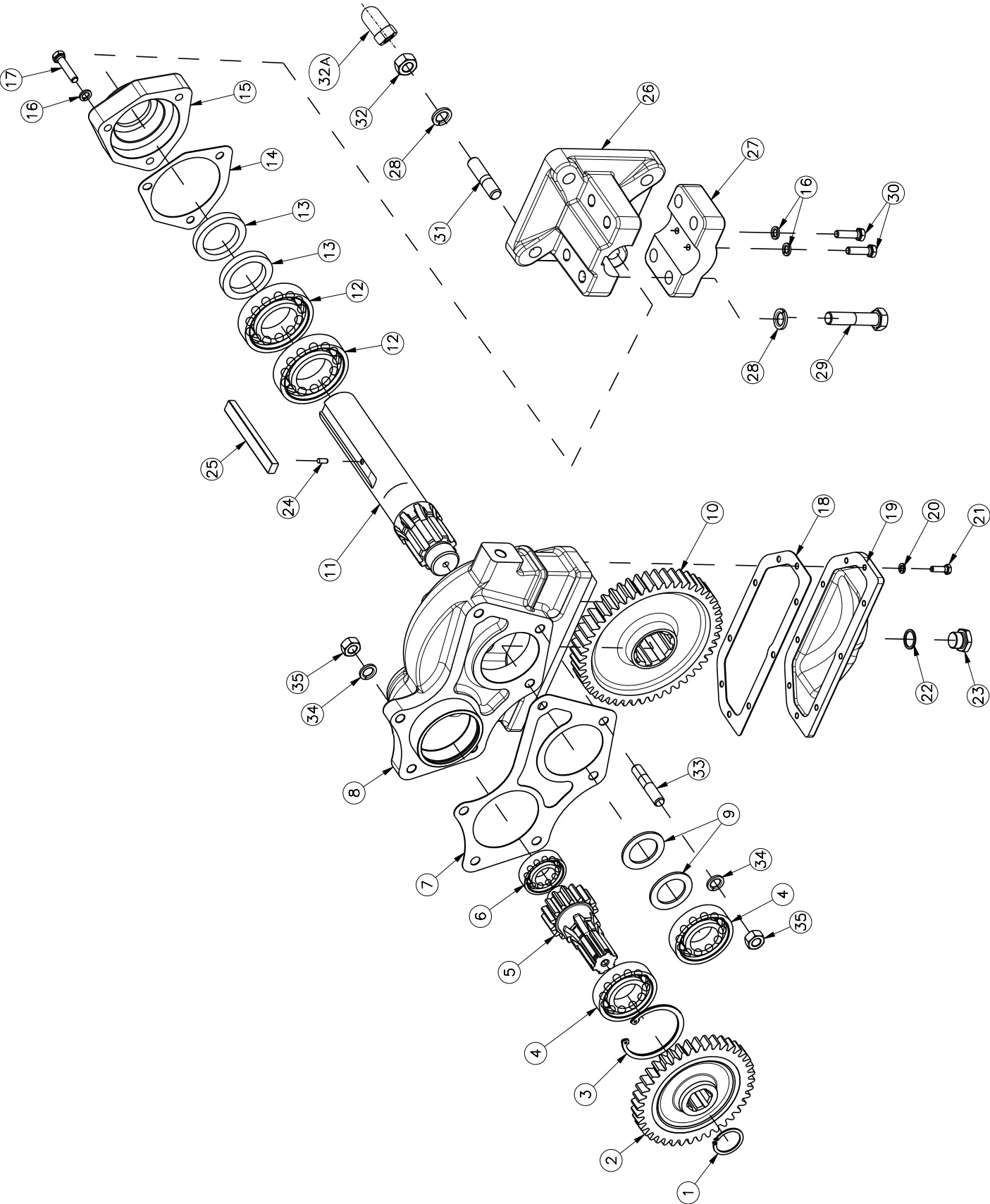


GEAR BOX ASSEMBLY MEGA T-12

Sr. No.	Item	Description	Qty.
1	P15.0901.041.0.PR	GEAR BOX HSG	1
2	P15.0901.025.0.PR	SHAFT, GEAR INTERMEDIATE REDUCTION 2 (Consists Sr. No. 2-4)	1
3	P15.0902.109.0.PR	GEAR INTERMEDIATE REDUCTION 2	1
4	P15.0901.099.0.PR	SNAP RING FOR SHAFT	1
5	P15.0902.108.0.PR	GEAR, STEERING	2
6	P15.0901.076.0.PR	SPRING, STEERING	2
7	P15.0901.051.0.PR	PROTECTING RING	2
8	P15.0901.065.0.PR	BEARING 6304	3
9	P15.0901.082.0.PR	PAPER GASKET	2
10	P15.0901.043.0.PR	END COVER LH, INTERMEDIATE SHAFT REDUCTION 2	1
11	P15.0901.044.0.PR	END COVER RH, INTERMEDIATE SHAFT REDUCTION 2	1
12	57.507.10.000.	PLAIN PUNCHED WASHER - M10	2
13	57.008.10.000.	LOCK NUT - M10X1.5 - GR.8	2
14	57.003.10.020.	SET SCREW - M10X1.5X20 - 8.8	2
15	57.003.06.020.	SET SCREW - M6X1X20 - 8.8	10
16	57.505.06.000.	SPRING WASHER - M6	23
17	57.010.12.045.	STUD - M12X1.75X45 - 8.8	10
18	P15.0902.122.0.PR	SHAFT HIGH LOW SPEED RANGE	1
19	P15.0902.106.0.PR	GEAR, HI-LOW SPEED RANGE	1
20	P15.0902.107.0.PR	GEAR 1, INTERMEDIATE DRIVING	1
21	P15.0901.094.0.PR	SNAP RING FOR HOLE	3
22	P15.0901.091.0.PR	WASHER, MAIN & REVERSE SHAFT	2
23	P15.0901.046.0.PR	BRAKE RING	1
24	P15.0901.061.0.PR	BEARING 6204	1
25	P15.0902.136.0.PR	MAIN SHAFT, BRAKE	1
26	P15.0902.101.0.PR	GEAR, MAIN SHAFT	1
27	P15.0902.502.0.PR	GEAR HIGH SPEED	1
28	P15.0901.053.0.PR	SPACER RING	1
29	P15.0901.096.0.PR	RETAINING RING	1
30	P15.0902.103.0.PR	DRIVING GEAR MAIN SHAFT	1
31	50.502.52.000.	CIRCLIP INTERNAL - 52 MM	1
32	P15.0901.067.0.PR	BEARING 6905	2
33	P15.0901.055.0.PR	SLEEVE, MAIN SHAFT	1
34	P15.0901.062.0.PR	BEARING 6205	2
35	P15.0901.057.0.PR	OUTER SPACER	1
36	P15.0901.066.0.PR	BEARING 6305	4
37	P12.0901.144.0.PR	PROTECTING CAP BRAKE SHAFT	1
38	P15.0901.024.0.PR	SHAFT REVERSE GEAR	1
39	P15.0902.510.0.PR	GEAR, REVERSE WITH BUSH (Consists Sr, No 40, 41)	1
40	P15.0902.010.0.PR	GEAR REVERSE	1
41	P15.0901.056.0.PR	BUSH, GEAR REVERSE	1

Sr. No.	Item	Description	Qty.
42	P15.0901.558.0.PR	BUSH, REVERSE SHAFT	1
43	P15.0902.123.0.PR	SHAFT, IDLER GEAR	1
44	P15.0902.104.0.PR	GEAR, 1ST & REVERSE	1
45	P15.0902.105.0.PR	GEAR, IDLER	1
46	P15.0901.127.0.PR	RAIL,HIGH LOW RANGE	1
47	P15.0901.017.0.PR	SHIFTING FORK HIGH LOW SPEED RANGE	1
48	P15.0901.075.0.PR	SPRING, SHIFTING FORK	3
49	P15.0901.126.0.PR	RAIL,HIGH SPEED	1
50	P15.0901.216.0.PR	SHIFTING FORK HIGH SPEED	1
51	P15.0901.128.0.PR	RAIL,1ST & REVERSE	1
52	P15.0901.118.0.PR	FORK SHIFTING 1ST & REVERSE	1
53	50.401.06.016.	DOWEL PIN 5X16	2
54	P15.0901.519.0.PR	SHIFTING FORK STEERING	2
55	P15.0901.084.0.PR	PAPER GASKET,STEERING COVER	1
56	P15.0901.142.0.PR	COVER, STEERING	1
57	P15.0901.071.0.PR	OIL SEAL, 13M/30 16 10	2
58	50.003.06.025.	SET SCREW - M6X1X25 - 8.8	6
59	P15.0901.081.0.PR	PAPER GASKET RH SIDE, MAIN GEAR BOX	1
60	P15.0901.031.0.PR	COVER PLATE RH,BRAKE MTG.	1
61	57.505.08.000.	SPRING WASHER - M8	17
62	P15.0901.098.0.PR	RETAINING PLATE, BRAKE SHAFT OIL SEAL	1
63	57.003.06.010.	SET SCREW - M6X1X10 - 8.8	3
64	2H.035.02.0.00	PRECOATED DRAIN PLUG	1
65	F6.024.47.0.00	O - RING FOR DRAIN PLUG	1
66	50.401.09.020.	DOWEL PIN 10X20	2
67	P15.0901.083.0.PR	PAPER GASKET, REAR FACE, MAIN GEAR BOX	1
68	50.401.08.016.	DOWEL PIN 8X16	2
69	50.529.09.000.	STEEL BALL DIA 8	3
70	57.003.08.030.	STE SCREW- M8X1.25X30-8.8	7
71	P15.1801.017.0.PR	OIL SEAL, 13M/47 25 10	1
72	50.508.10.000.	COPPER WASHER 12*18	1
73	50.602.12.000.	CORE PLUG-HEXAGONAL HEAD - M12	1
#	P15.0901.102.0.PR	FILLER PLATE 0.5 THK, MAIN SHAFT	AR
#	P15.0901.103.0.PR	FILLER PLATE 1 THK, MAIN SHAFT	AR
#	P15.0901.104.0.PR	FILLER PLATE 1.5 THK, MAIN SHAFT	AR
*	P15.0901.091.0.PR	WASHER, MAIN & REVERSE SHAFT	AR
*	P15.0901.191.0.PR	WASHER, MAIN & REVERSE SHAFT	AR

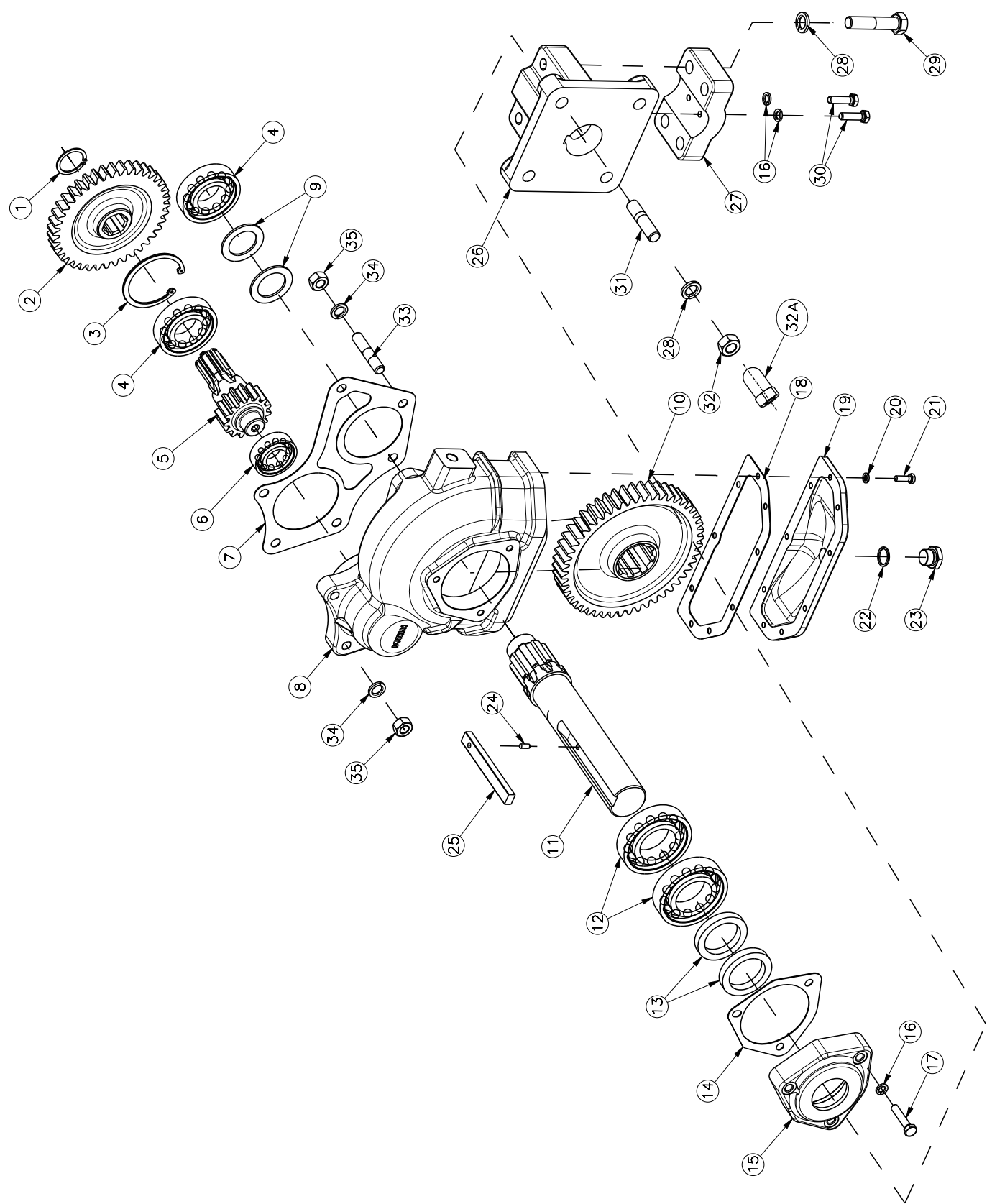
BULL HOUSING ASSEMBLY - LEFT



BULL HOUSING ASSEMBLY - LEFT

Sr. No.	Item	Description	Qty.
1	50.501.32.000.	CIRCLIP EXTERNAL - 32 MM	1
2	P15.0902.111.0.PR	GEAR, MAIN REDUCTION	1
3	50.502.72.000.	CIRCLIP INTERNAL - 72 MM	1
4	P15.0901.063.0.PR	BEARING 6207	2
5	P15.0902.213.0.PR	BULL SHAFT WITH GEAR	1
6	P15.0901.062.0.PR	BEARING 6205	1
7	P15.0901.086.0.PR	PAPER GASKET, BULL GEAR HSG.	1
8	P15.0901.047.0.PR	HOUSING LH, BULL GEAR	1
9	P15.0901.097.0.PR	SPACER, BULL GEAR	2
10	P15.0902.212.0.PR	GEAR, BULL	1
11	P15.0902.129.0.PR	DRIVE AXLE	1
12	P15.0901.064.0.PR	BEARING 6209	2
13	P15.0901.073.0.PR	OIL SEAL, 13M/62 45 9	2
14	P15.0901.085.0.PR	PAPER GASKET, FOR BULL HOUSING END COVER	1
15	P15.0901.050.0.PR	END COVER, BULL GEAR HSG.	1
16	57.505.08.000.	SPRING WASHER - M8	5
17	57.003.08.040.	SET SCREW - M8X1.25X40 - 8.8	3
18	P15.0901.087.0.PR	PAPER GASKET BOTTOM SIDE, BULL HOUSING	1
19	P15.0901.049.0.PR	BOTTOM COVER, BULL GEAR HOUSING.	1
20	57.505.06.000.	SPRING WASHER - M6	9
21	57.003.06.020.	SET SCREW - M6X1X20 - 8.8	9
22	F6.024.47.0.00	O - RING FOR DRAIN PLUG	1
23	2H.035.02.0.00	PRECOATED DRAIN PLUG	1
24	50.401.06.012.	DOWEL PIN 5X12	1
25	P15.0901.078.0.PR	KEY, DRIVE AXLE	1
26	P15.1601.102.0.PR	WHEEL HUB	1
27	P15.1601.101.0.PR	HALF WHEEL HUB	1
28	57.505.14.000.	SPRING WASHER - M14	8
29	57.002.14.065.	SET BOLT - M14X2X65 - 8.8	4
30	57.003.08.030.	SET SCREW- M8X1.25X30-8.8	2
31	57.010.14.040.	STUD M14x2x40	4
32	57.006.14.000.	NUT - M14X2 - GR.8.8	4
32A	P15.1601.008.0.PR	DOMED NUT M14 - MEGA T 15 OFVW	4
33	57.010.12.045.	STUD - M12X1.75X45 - 8.8	3
34	57.505.12.000.	SPRING WASHER - M12	6
35	57.006.12.000.	NUT - M12X1.75 - GR.8	6

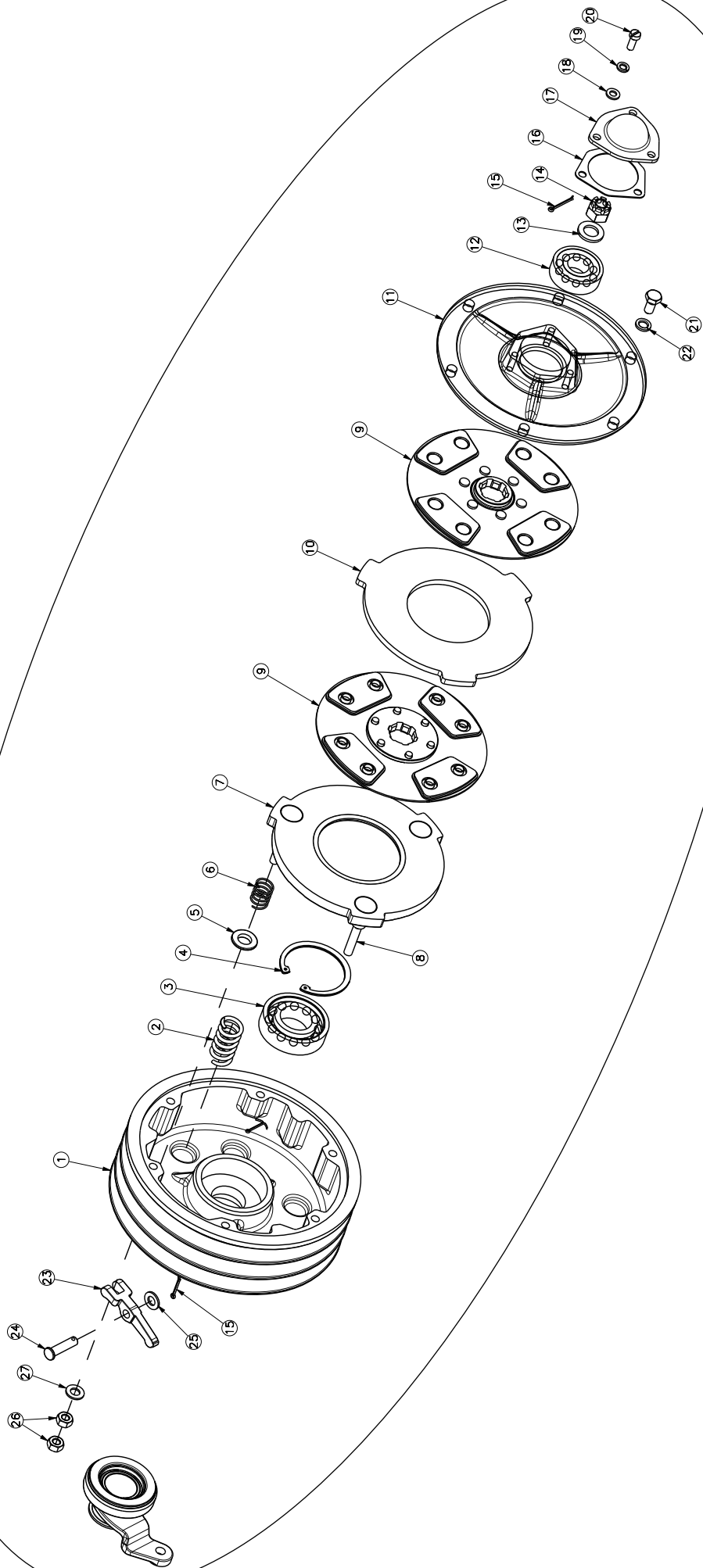
BULL HOUSING ASSEMBLY - RIGHT



BULL HOUSING ASSEMBLY - RIGHT

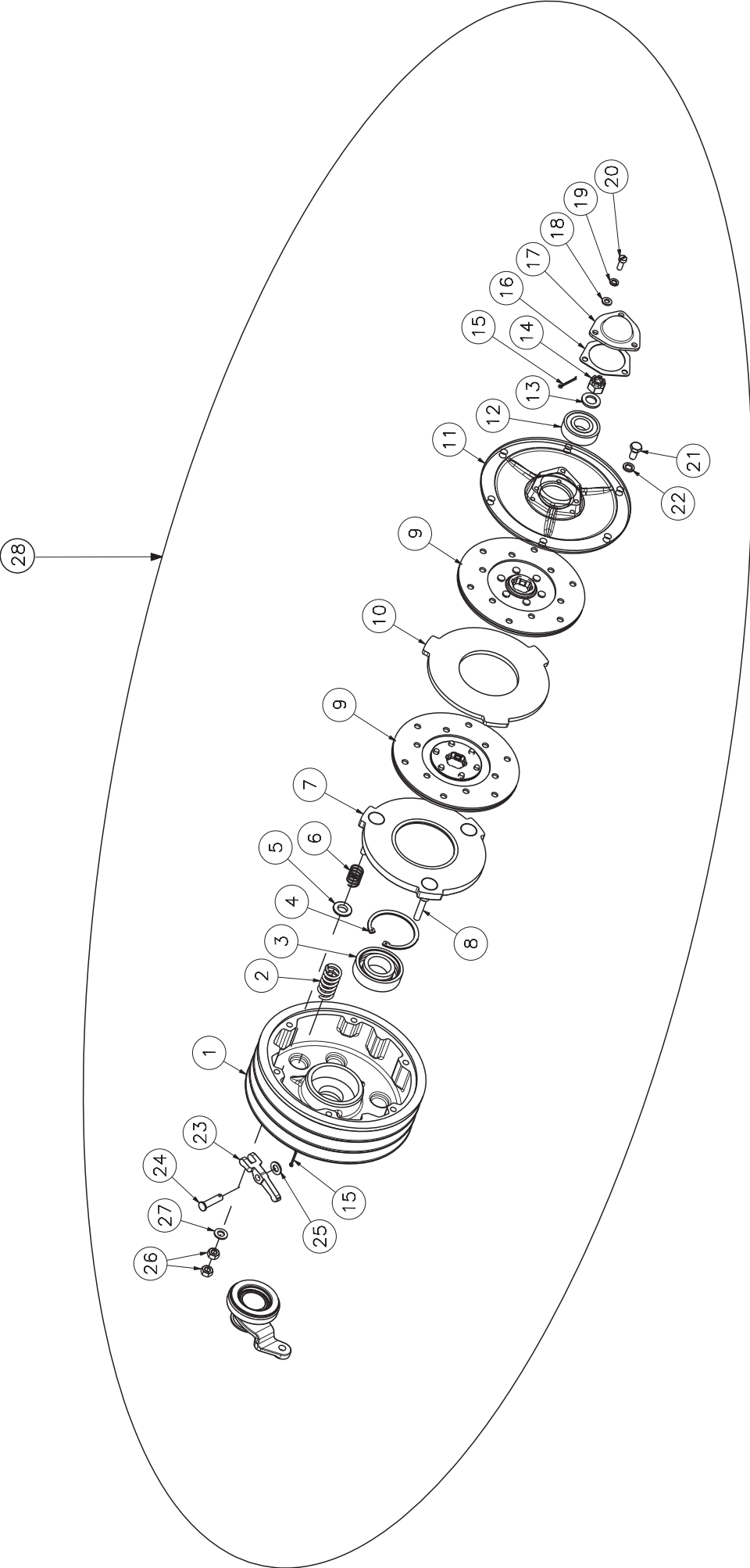
Sr. No.	Item	Description	Qty.
1	50.501.32.000.	CIRCLIP EXTERNAL - 32 MM	1
2	P15.0902.111.0.PR	GEAR, MAIN REDUCTION	1
3	50.502.72.000.	CIRCLIP INTERNAL - 72 MM	1
4	P15.0901.063.0.PR	BEARING 6207	2
5	P15.0902.213.0.PR	BULL SHAFT WITH GEAR	1
6	P15.0901.062.0.PR	BEARING 6205	1
7	P15.0901.086.0.PR	PAPER GASKET, BULL GEAR HSG.	1
8	P15.0901.048.0.PR	HOUSING RH, BULL GEAR	1
9	P15.0901.097.0.PR	SPACER, BULL GEAR	2
10	P15.0902.212.0.PR	GEAR, BULL	1
11	P15.0902.129.0.PR	DRIVE AXLE	1
12	P15.0901.064.0.PR	BEARING 6209	2
13	P15.0901.073.0.PR	OIL SEAL, 13M/62 45 9	2
14	P15.0901.085.0.PR	PAPER GASKET, FOR BULL HOUSING END COVER	1
15	P15.0901.050.0.PR	END COVER, BULL GEAR HSG.	1
16	57.505.08.000.	SPRING WASHER - M8	5
17	57.003.08.040.	SET SCREW - M8X1.25X40 - 8.8	3
18	P15.0901.087.0.PR	PAPER GASKET BOTTOM SIDE, BULL HOUSING	1
19	P15.0901.049.0.PR	BOTTOM COVER, BULL GEAR HOUSING.	1
20	57.505.06.000.	SPRING WASHER - M6	9
21	57.003.06.020.	SET SCREW - M6X1X20 - 8.8	9
22	F6.024.47.0.00	O - RING FOR DRAIN PLUG	1
23	2H.035.02.0.00	PRECOATED DRAIN PLUG	1
24	50.401.06.012.	DOWEL PIN 5X12	1
25	P15.0901.078.0.PR	KEY, DRIVE AXLE	1
26	P15.1601.102.0.PR	WHEEL HUB	1
27	P15.1601.101.0.PR	HALF WHEEL HUB	1
28	57.505.14.000.	SPRING WASHER - M14	8
29	57.002.14.065.	SET BOLT - M14X2X65 - 8.8	4
30	57.003.08.030.	SET SCREW- M8X1.25X30-8.8	2
31	57.010.14.040.	STUD M14x2x40	4
32	57.006.14.000.	NUT - M14X2 - GR.8.8	4
32A	P15.1601.008.0.PR	DOMED NUT M14 - MEGA T 15 OFVW	4
33	57.010.12.045.	STUD - M12X1.75X45 - 8.8	3
34	57.505.12.000.	SPRING WASHER - M12	6
35	57.006.12.000.	NUT - M12X1.75 - GR.8	6

28 / 28A



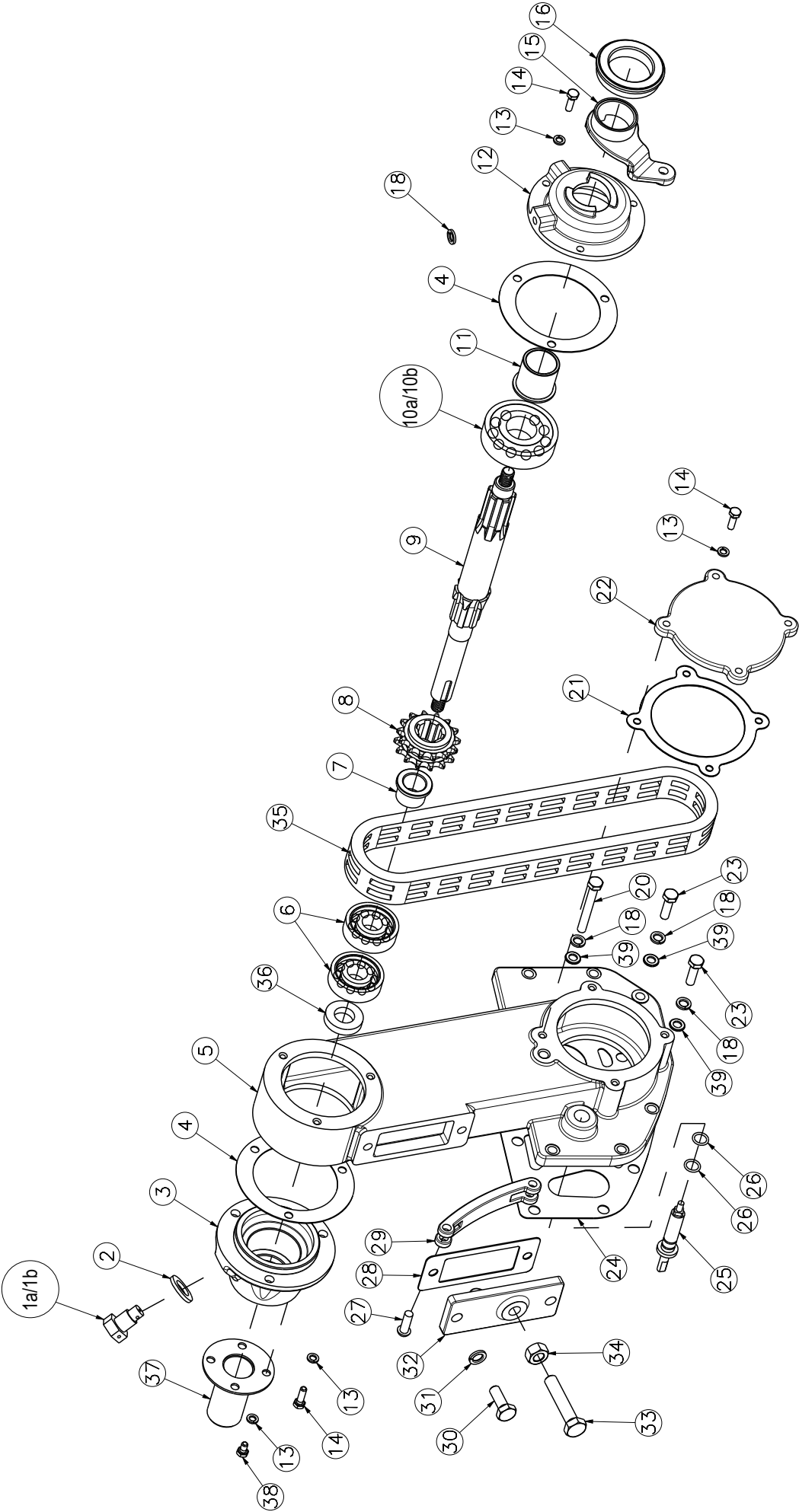
CLUTCH ASSEMBLY - MEGA T15

Sr. No.	Item	Description	Qty.
1	P15.1001.215.0.PR	PULLEY, THREE GROOVES CLUTCH	1
2	P15.1001.221.0.PR	CLUTCH SPRING	6
3	P15.1001.062.0.PR	6206-Z BALL BEARING	1
4	50.502.62.000.	62 CIRCLIP FOR HOLE	1
5	P15.1001.223.0.PR	SEAL RING, DUST PROOF	3
6	P15.1001.222.0.PR	SPRING, PRESSURE PLATE BOLT	3
7	P15.1001.017.0.PR	PRESSURE PLATE CLUTCH	1
8	P15.1001.225.0.PR	BOLT, PRESSURE PLATE	3
9	P15.1001.012.0.PR	FRICTION DISC SUB ASSLY	2
10	P15.1001.026.0.PR	DRIVING DISC	1
11	P15.1001.216.0.PR	END COVER, CLUTCH	1
12	P15.1001.061.0.PR	6204-Z C3 BALL BEARING	1
13	P15.1001.034.0.PR	WASHER M12 FOR CLUTCH	1
14	P15.1001.036.0.PR	CASTLE NUT M12X1.75, FOR CLUTCH	1
15	57.001.02.025.	2X25 SPLIT PIN	4
16	P15.1001.013.0.PR	GASKET BEARING COVER CLUTCH	1
17	P15.1001.007.0.PR	BEARING COVER	1
18	57.507.06.000.	PLAIN WASHER-M6	3
19	57.505.06.000.	SPRING LOCK WASHER-M6	3
20	57.003.06.016.	M6X16 SCREW, SLOTTED PAN HEAD	3
21	57.003.08.016	M8x1.25 x16 HEX HEAD SET SCREW	6
22	57.505.08.000.	SPRING LOCK WASHER - M8	6
23	P15.1001.208.0.PR	THROW OUT LEVER CLUTCH	3
24	P15.1301.237.0.PR	CLEVIS PIN WITH HEAD DIA 8x32 , CLUTCH	3
25	57.507.08.000.	PLAIN WASHER - M8	3
26	57.006.08.000.	M8 x 1.25 HEX NUT	6
27	P15.1001.035.0.PR	WASHER M8 FOR CLUTCH LEVER	3
28	P15.1001.040.0.PR	CLUTCH ASSY. - CERAMETALLIC LINING	1
28 A	P15.1001.050.0.PR	CLUTCH ASSEMBLY CERAMETALLIC FRICTION LINING - WET LAND	1



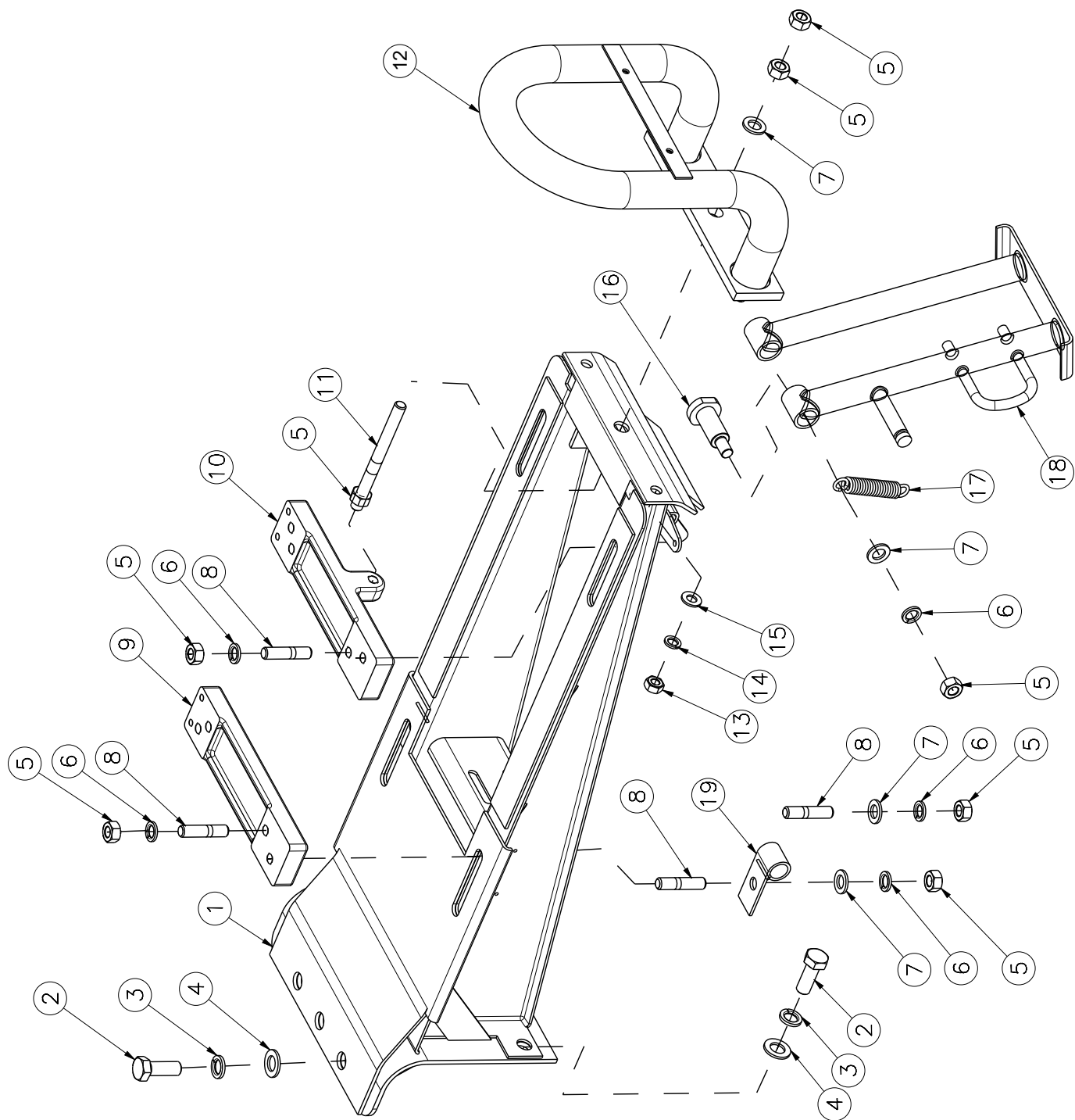
CLUTCH ASSEMBLY MEGA T 12

Sr. No.	Item	Description	Qty.
1	P15.1001.215.0.PR	PULLEY, THREE GROOVES CLUTCH	1
2	P15.1001.221.0.PR	CLUTCH SPRING (12.21.107)	6
3	P15.1001.062.0.PR	6206-Z BALL BEARING	1
4	50.502.62.000.	CIRCLIP FOR HOLE	1
5	P15.1001.223.0.PR	SEAL RING, DUST PROOF	3
6	P15.1001.222.0.PR	SPRING, PRESSURE PLATE BOLT	3
7	P15.1001.517.0.PR	PRESSURE PLATE CLUTCH (12.21.106)	1
8	P15.1001.225.0.PR	BOLT, PRESSURE PLATE	3
9	P15.1001.512.0.PR	FRICTION DISC SUB ASSLY (12.21.011)	2
10	P15.1001.526.0.PR	DRIVING DISC (12.21.105)	1
11	P15.1001.216.0.PR	END COVER, CLUTCH	1
12	P15.1001.061.0.PR	6204-Z C3 BALL BEARING	1
13	P15.1001.034.0.PR	WASHER M12 FOR CLUTCH	1
14	P15.1001.036.0.PR	CASTLE NUT M12X1.75, FOR CLUTCH	1
15	57.001.02.025.	2X25 SPLIT PIN	4
16	P15.1001.013.0.PR	GASKET BEARING COVER CLUTCH	1
17	P15.1001.007.0.PR	BEARING COVER	1
18	57.507.06.000.	PLAIN WASHER-M6	3
19	57.505.06.000.	SPRING LOCK WASHER-M6	3
20	57.003.06.016.	M6X16 SCREW, SLOTTED PAN HEAD	3
21	57.003.08.016.	M8X1.25X16 HEX HEAD SET SCREW	6
22	57.505.08.000.	SPRING LOCK WASHER-M8	6
23	P15.1001.208.0.PR	THROW OUT LEVER, CLUTCH (12.21.109)	3
24	P15.1301.237.0.PR	CLEVIS PIN WITH HEAD DIA 8X32, CLUTCH	3
25	57.507.08.000.	PLAIN WASHER-M8	3
26	57.006.08.000.	M8X1.25 HEX NUT	6
27	P15.1001.035.0.PR	WASHER M8 FOR CLUTCH LEVER	3
28	P15.1001.010.0.PR	CLUTCH ASSY.- ORGANIC FRICTION LINING	1



CHAIN TRANSMISSION CASE

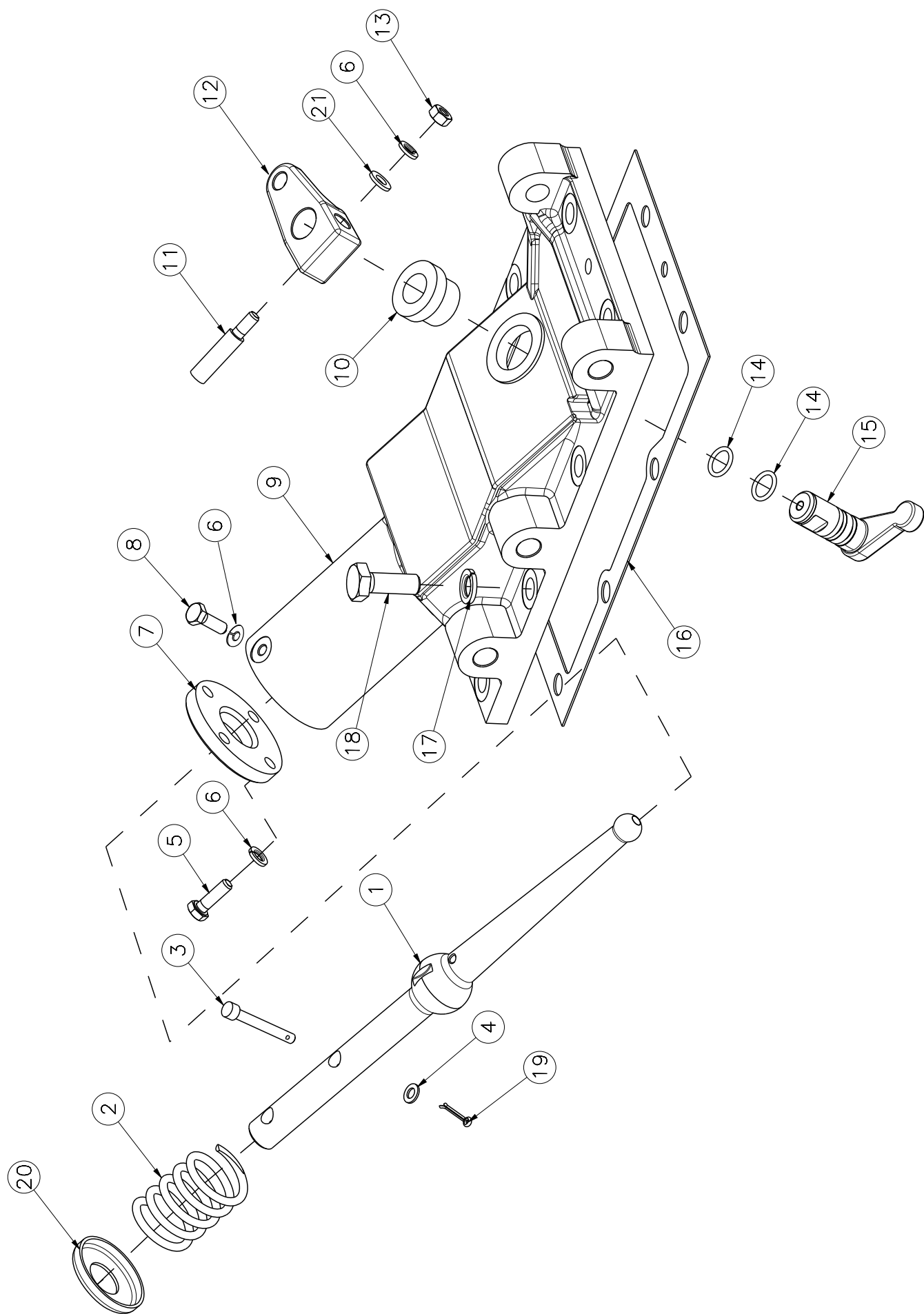
Sr. No.	Item	Description	SCC + SLSC SUGARCANE MODELS Qty.	OFVW & OTHER MODELS Qty.
1a	P15.2001.251.0.PR	PLUG BOLT M16x 1.5 x 11	1	0
1b	P15.2001.051.0.PR	BREATHER BOLT	0	1
2	P15.2001.052.0.PR	ALUMINIUM WASHER	1	1
3	P15.1101.112.0.PR	BEARING HOUSING-PTO SHAFT	1	1
4	P15.1101.081.0.PR	PAPER GASKET,CHAIN TRANSMISSION CASE	2	2
5	P15.1101.001.0.PR	HOUSING CHAIN, TRANSMISSION	1	1
6	P15.0901.062.0.PR	BEARING 6205	2	2
7	P15.1101.131.0.PR	BUSH-CLUTCH/PTO SHAFT	1	1
8	P15.1102.301.0.PR	DRIVING SPROCKET, CLUTCH	1	1
9	P15.1103.332.0.PR	SHAFT - CLUTCH / PTO	1	1
10a	P15.1101.161.0.PR	BEARING 6306 LU	1	0
10b	P15.1101.061.0.PR	BEARING 6306Z	0	1
11	P15.1101.007.0.PR	BUSH, LEVER,CLUTCH ACTUATION	1	1
12	P15.1101.003.0.PR	BEARING SEAT, CHAIN TRANSMISSION CASE	1	1
13	57.505.06.000.	SPRING WASHER - M6	14	10
14	57.003.06.020.	SET SCREW - M6X1X20 - 8.8	10	10
15	P15.1101.024.0.PR	CLUTCH ACTUATING LEVER	1	1
16	P15.1101.062.0.PR	CLUTCH RELEASE BEARING	1	1
18	57.505.08.000.	SPRING WASHER - M8	10	10
20	57.003.08.065.	SET SCREW - M8X1.25X65 - 8.8	1	1
21	P15.1101.082.0.PR	PAPER GASKET, FOR CHAIN TRANS CASE	1	1
22	P15.1101.004.0.PR	BEARING OVER, CHAIN TRANSMISSION.	1	1
23	57.003.08.030.	SET SCREW M8 X 1.25X30-8.8	7	7
24	P15.1101.083.0.PR	PAPER GASKET, CHAIN TRANSMISSION CASE	1	1
25	P15.1101.223.0.PR	BRAKE SHAFT (OPTIONAL DESIGN)	1	1
26	P15.1101.085.0.PR	O-RING SEAL 16X2.4	2	2
27	50.522.08.024.	ROUND HEAD RIVET, DIA 8	1	1
28	P15.1101.084.0.PR	PAPER GASKET, CHAIN TRANSMISSION CASE	1	1
29	P15.1101.008.0.PR	TENSION PLATE, CHAIN TRANSMISSION CASE	1	1
30	57.003.10.030.	SET SCREW - M10X1.5X30 - 8.8	2	2
31	57.505.10.000.	SPRING WASHER - M10	2	2
32	P15.1101.005.0.PR	SUPPORT SEAT CLUTCH TRANSCASE	1	1
33	57.003.12.060.	SET SCREW -M12X1.75X60-8.8	1	1
34	57.006.12.000.	NUT - M12X1.75 - GR.8	1	1
35	P15.1101.171.0.PR	STRAIGHT TYPE TRANSMISSION CHAIN ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1	1
36	P15.1101.088.0.PR	OIL SEAL 25X40X7	1	1
37	P15.1101.041.0.PR	COVER FOR CLUTCH PTO SHAFT	1	1
38	57.003.06.010.	SET SCREW -M6X1X10-8.8	4	4
39	50.506.08.000.	PLAIN MACHINED WASHER - M8	8	8



CHASSIS FRAME ASSEMBLY

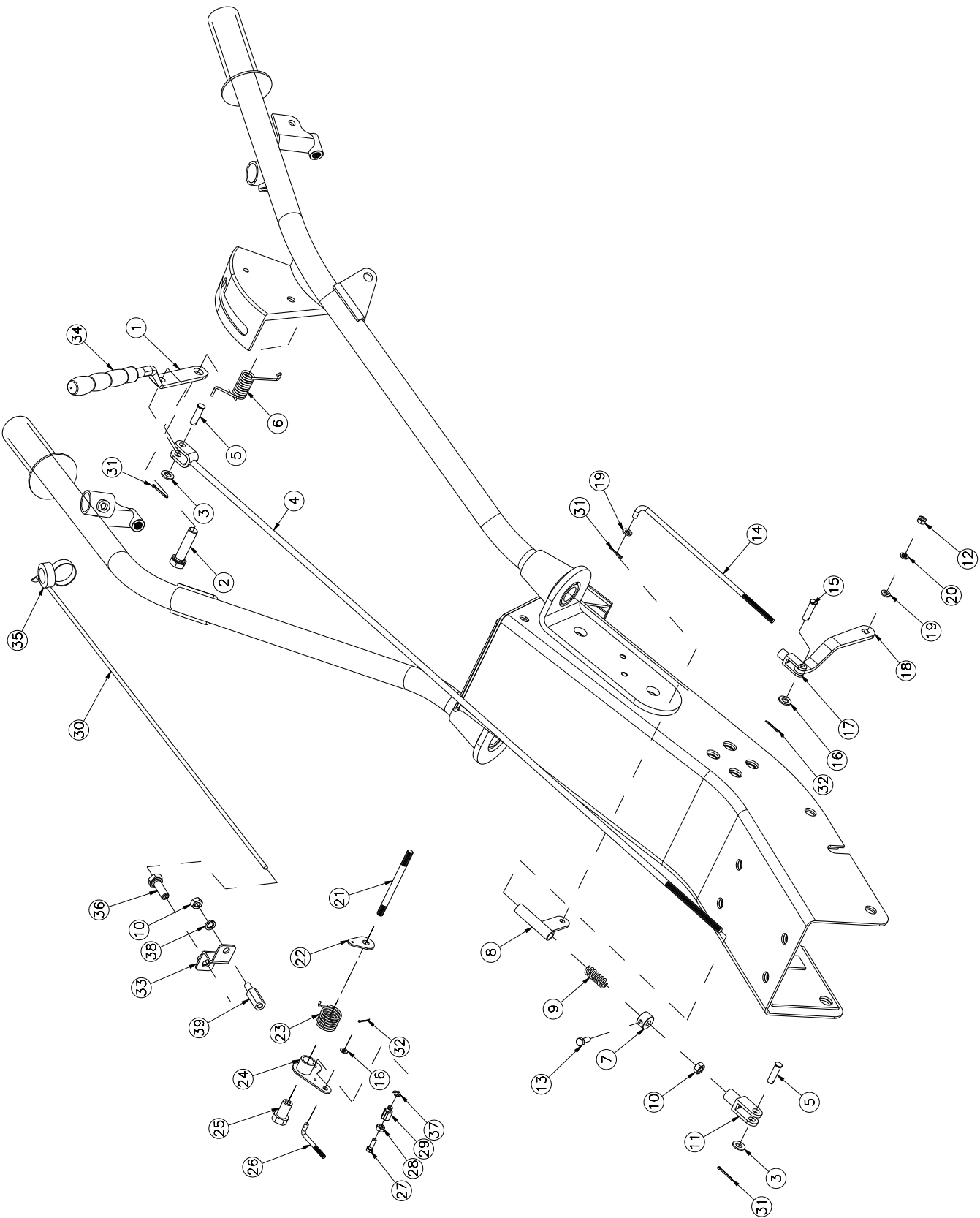
Sr. No.	Item	Description	Qty.
1	P15.1201.001.0.PR	BASE FRAME ASSEMBLY	1
2	57.003.14.040.	SET SCREW - M14X2X40 - 8.8	5
3	57.505.14.000.	SPRING WASHER - M14	5
4	57.507.14.000.	PLAIN PUNCHED WASHER - M14	5
5	57.006.12.000.	NUT - M12X1.75 - GR.8	13
6	57.505.12.000.	SPRING WASHER - M12	10
7	57.507.12.000.	PLAIN PUNCHED WASHER - M12	7
8	57.010.12.035.	STUD - M12X1.75X35 - 8.8	8
9	P15.1201.042.0.PR	MOUNTING PLATE REAR	1
10	P15.1201.041.0.PR	MOUNTING PLATE FRONT	1
11	P15.1201.023.0.PR	STUD, ADJUSTING	1
12	P15.1201.004.0.PR	GUARD ASSY., FRONT	1
13	57.006.10.000.	NUT - M10X1.5 - GR.8	2
14	57.505.10.000.	SPRING WASHER - M10	2
15	57.507.10.000.	PLAIN PUNCHED WASHER - M10	2
16	P15.1201.124.0.PR	PIVOT BOLT, FRONT STAND	2
17	P15.1201.021.0.PR	SPRING, FRONT STAND	1
18	P15.1201.103.0.PR	STAND ASSEMBLY	1
19	P15.1201.005.0.PR	HOOK, JACK	2

TOP COVER ASSEMBLY & TRANSMISSION CASE



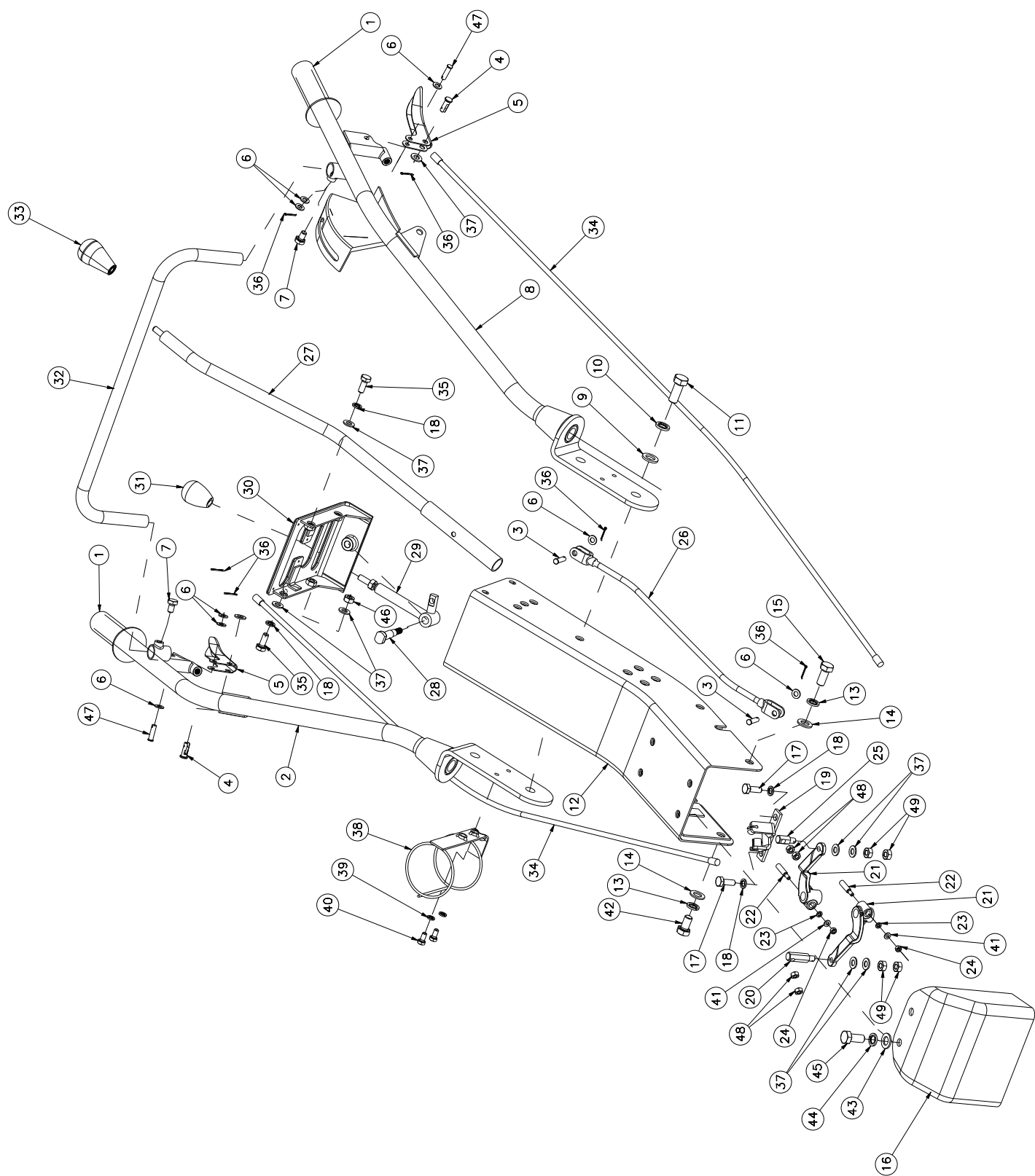
TOP COVER ASSEMBLY & TRANSMISSION CASE

Sr. No.	Item	Description	Qty.
1	P15.1301.112.0.PR	GEAR SHIFT LEVER	1
2	P15.1301.071.0.PR	SPRING, GEAR SHIFTER LEVER	1
3	P15.1301.031.0.PR	CLEVIS PIN, CONNECTING ROD HI-LOW SELEC- TOR	1
4	57.507.08.000.	PLAIN PUNCHED WASHER - M8	1
5	57.003.06.020.	SET SCREW - M6X1X20 - 8.8	4
6	57.505.06.000.	SPRING WASHER - M6	5
7	P15.1301.002.0.PR	COVER, GEAR SHIFTER LEVER	1
8	57.003.06.020.	SET SCREW - M6X1X20 - 8.8	1
9	P15.1301.001.0.PR	TOP COVER, TRANSMISSION CASE	1
10	P15.1301.003.0.PR	BUSH, ROCKER FINGER, HIGH-LOW SPEED	1
11	P15.1901.010.0.PR	CRANK PIN	1
12	P15.1301.011.0.PR	ARM JOINT HI-LOW	1
13	57.006.06.000.	NUT - M6X1 - GR.8	1
14	P15.1101.085.0.PR	O-RING SEAL 16X2.4	2
15	P15.1301.013.0.PR	ROCKER FINGER, HIGH LOW SPEED RANGE	1
16	P15.1301.081.0.PR	PAPER GASKET,GEAR BOX TOP FACE	1
17	57.505.10.000.	SPRING WASHER - M10	6
18	57.003.10.030.	SET SCREW - M10X1.5X30 - 8.8	6
19	57.001.03.020.	SPLIT COTTER PIN - 2.5X20	1
20	P15.1801.037.0.PR	DUST COVER, TAIL WHEEL	1
21	57.507.06.000.	PLAIN PUNCHED WASHER - M6	1



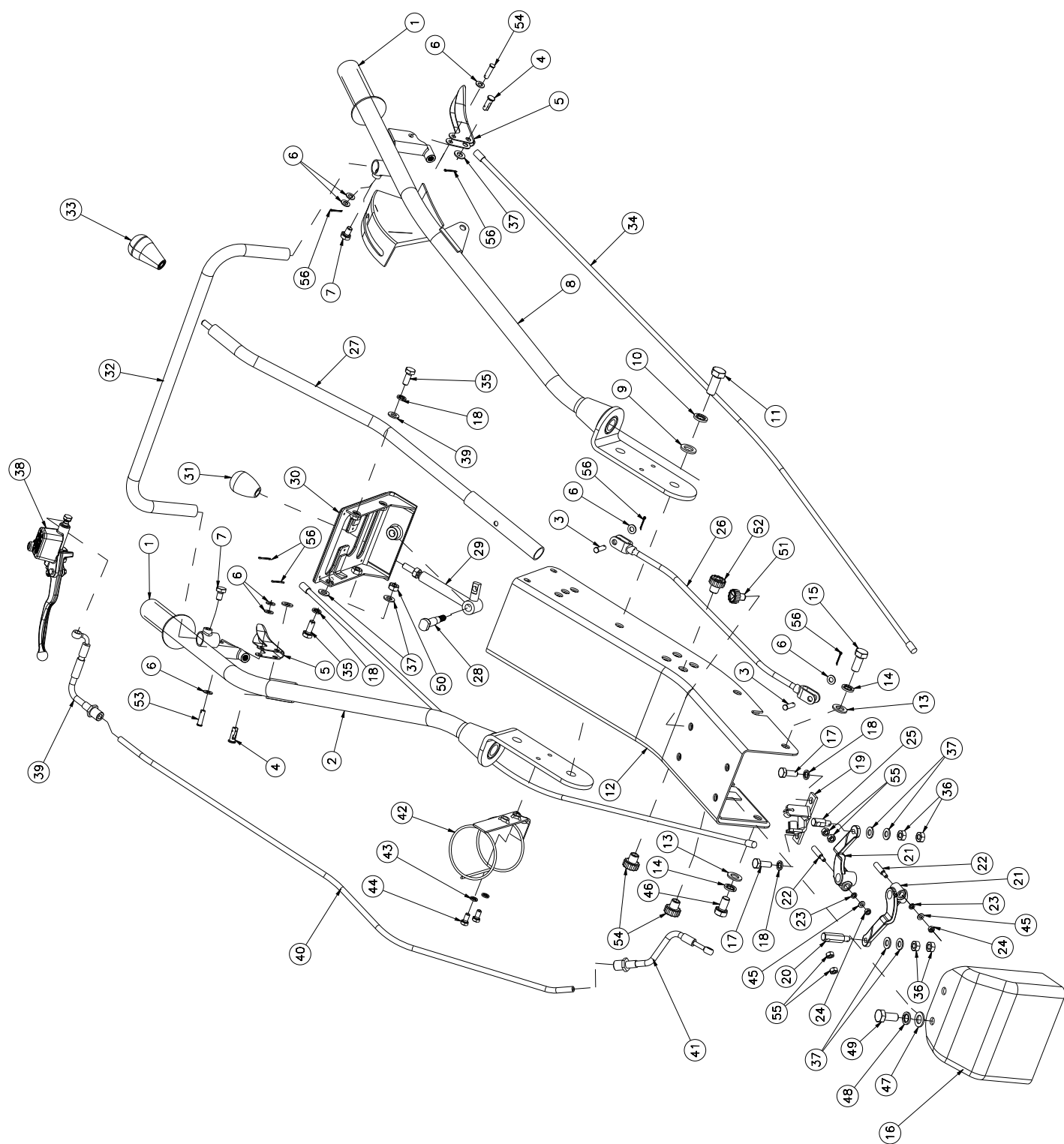
THROTTLE, CLUTCH & BRAKE CONTROLS

Sr. No.	Item	Description	Qty.
1	P15.1401.036.0.PR	LEVER, CLUTCH / BRAKE	1
2	57.002.12.050.	SET BOLT - M12X1.75X50 - 8.8	1
3	57.507.08.000.	PLAIN PUNCHED WASHER - M8	2
4	P15.1401.041.0.PR	PULL ROD ASSEMBLY	1
5	P15.1401.061.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 25	2
6	P15.1401.054.0.PR	SPRING, LEVER CONTROLS	1
7	P15.1401.038.0.PR	LOCKING COLLAR	1
8	P15.1401.039.0.PR	LUG	1
9	P15.1401.053.0.PR	SPRING , PULL ROD CLUTCH	1
10	57.006.08.000.	NUT- M8X1.25 - GR.8	2
11	P15.1401.031.0.PR	CONNECTING CLEVIS, CLUTCH	1
12	57.006.06.000.	NUT - M6X1 - GR.8	1
13	57.003.06.016.	SET SCREW - M6X1X16 - 8.8	1
14	P15.1401.035.0.PR	CONNECTING ROD, BRAKE	1
15	P15.1401.062.0.PR	CLEVIS PIN WITH HEAD DIA 5 x 20	1
16	57.507.05.000.	PLAIN PUNCHED WASHER - M5	2
17	P15.1401.032.0.PR	CONNECTING CLEVIS, BRAKE	1
18	P15.1401.033.0.PR	CONNECTING LEVER - BRAKE	1
19	57.507.06.000.	PLAIN PUNCHED WASHER - M6	2
20	57.505.06.000.	SPRING WASHER - M6	1
21	P15.1401.058.0.PR	STUD, THROTTLE	1
22	P15.1401.034.0.PR	CONNECTING PLATE	1
23	P15.1401.052.0.PR	SPRING, THROTTLE LINKAGE CONTROL	1
24	P15.1401.040.0.PR	PLATE ASSEMBLY CONNECTING	1
25	P15.1401.057.0.PR	SPECIAL NUT	1
26	P15.1401.021.0.PR	CONNECTING ROD	1
27	57.003.05.016.	SET SCREW M5 X 16 MM	1
28	57.006.05.000.	NUT - M5X0.8 - GR.8.8	1
29	P15.1401.059.0.PR	NUT, ACCELERATOR LEVER	1
30	P15.1401.064.0.PR	ACCELERATOR CABLE	1
31	57.001.03.020.	SPLIT COTTER PIN - 2.5X20	3
32	57.001.02.016.	SPLIT COTTER PIN - 2X16	2
33	P15.1401.045.0.PR	PLATE MOUNTING, ACCELERATOR CABLE	1
34	P15.1401.056.0.PR	GRIP, LEVER CLUTCH BRAKE	1
35	P15.1401.255.0.PR	ACCELERATOR CONTROL ASSY	1
36	P15.1401.051.0.PR	SCREW, CABLE ACCELERATOR	1
37	50.513.08.000.	E TYPE CIRCLIP- M5	1
38	57.505.08.000.	SPRING WASHER - M8	1
39	P15.2301.091.0.PR	SPACER FOR REAR BRACKET ASSLY	1



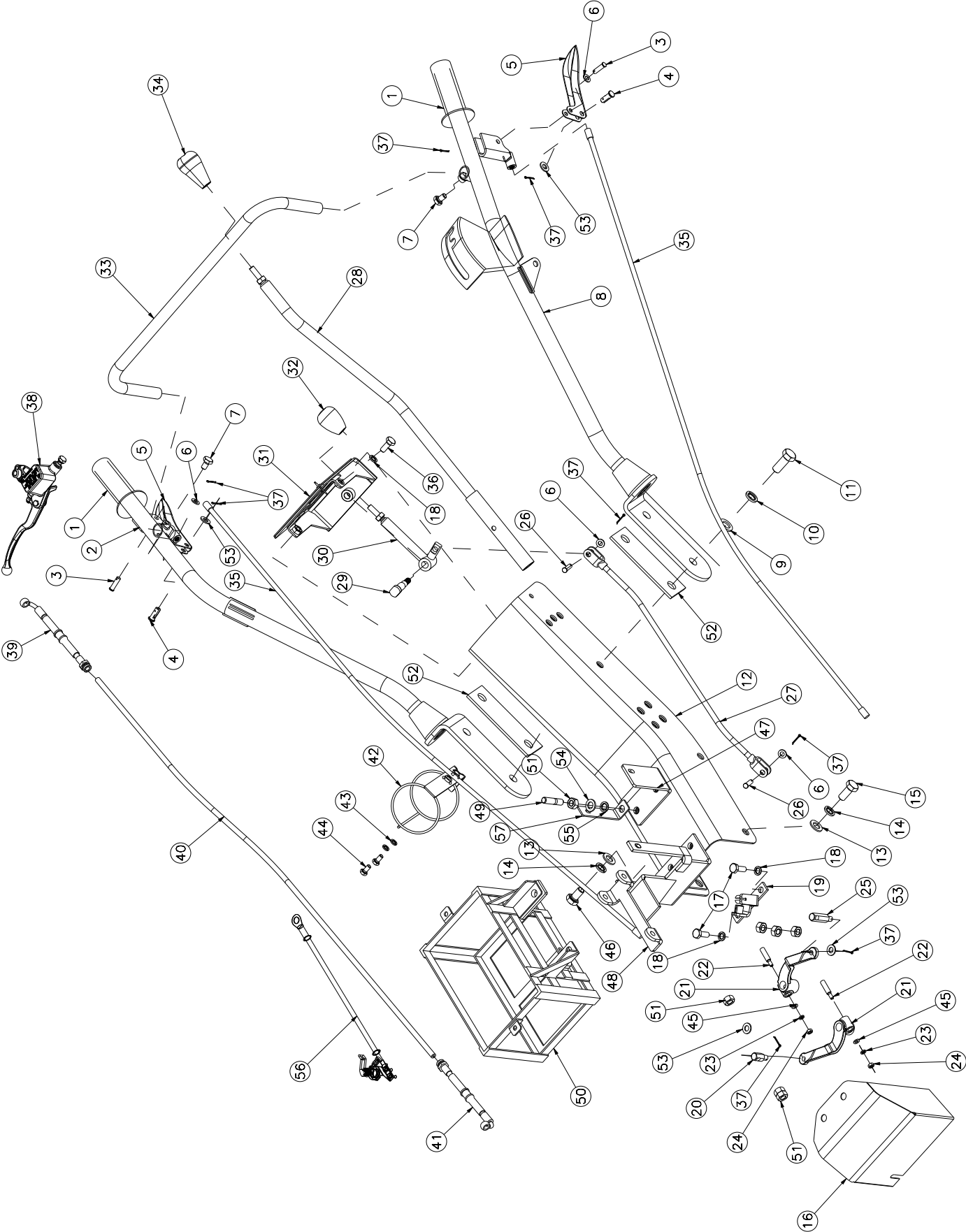
STEERING CONTROLS, GEAR SHIFTING & HANDLE BAR FRAME - MEGA T 12

Sr. No	Item	Description	Qty
1	P15.1501.052.0.PR	HANDLE GRIP EXCLUSIVELY FOR POWER TILLER	2
2	P15.1501.802.0.PR	HANDLE ASSEMBLY RH EXCLUSIVELY FOR POWER TILLER	1
3	P15.1301.037.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 32 EXCLUSIVELY FOR POWER TILLER	2
4	P15.1501.013.0.PR	DIA 10X26 SLOTTED PIN WITH HEAD, STEERING HANDLE EXCLUSIVELY FOR POWER TILLER	2
5	P15.1501.051.0.PR	STEERING LEVER EXCLUSIVELY FOR POWER TILLER	2
6	57.507.08.000.	PLAIN PUNCHED WASHER - M8	6
7	57.003.10.016.	SET SCREW - M10X1.5X16 - 8.8 WITH TRIVALENT PLATING	2
8	P15.1501.801.0.PR	HANDLE ASSEMBLY LH EXCLUSIVELY FOR POWER TILLER	1
9	50.507.16.000.	PLAIN PUNCHED WASHER - M16	4
10	57.505.16.000.	SPRING WASHER - M16 WITH TRIVALENT PLATING	4
11	57.003.16.040.	SET SCREW - M16X2X40 - 8.8 WITH TRIVALENT PLATING	4
12	P15.1501.503.0.PR	STEERING ARM MTG COVER EXCLUSIVELY FOR POWER TILLER	1
13	57.505.14.000.	SPRING WASHER - M14 WITH TRIVALENT PLATING	5
14	57.507.14.000.	PLAIN PUNCHED WASHER - M14 WITH TRIVALENT PLATING	5
15	57.003.14.030.	SET SCREW - M14X2X30 - 8.8 WITH TRIVALENT PLATING	4
16	P15.1501.021.0.PR	COVER - STEERING ARM EXCLUSIVELY FOR POWER TILLER	1
17	57.003.10.030.	SET SCREW - M10X1.5X30 - 8.8 WITH TRIVALENT PLATING	2
18	57.505.10.000.	SPRING WASHER - M10 WITH TRIVALENT PLATING	7
19	P15.1501.007.0.PR	BRACKET, STEERING CABLE MOUNTING EXCLUSIVELY FOR POWER TILLER	1
20	P15.1501.116.0.PR	CLEVIS PIN WITH HEX HEAD FOR STEERING CABLE MTG EXCLUSIVELY FOR POWER TILLER	1
21	P15.1501.011.0.PR	STEERING ARM EXCLUSIVELY FOR POWER TILLER	2
22	P15.1901.010.0.PR	CRANK PIN EXCLUSIVELY FOR POWER TILLER	2
23	57.505.06.000.	SPRING WASHER - M6 WITH TRIVALENT PLATING	2
24	57.006.06.000.	NUT - M6X1 - GR.8 WITH TRIVALENT PLATING	2
25	P15.1501.114.0.PR	CLEVIS PIN WITH HEX HEAD FOR STEERING CABLE MTG EXCLUSIVELY FOR POWER TILLER	1
26	P15.1301.143.0.PR	CONNECTING LINK, HI-LOW LEVER EXCLUSIVELY FOR POWER TILLER	1
27	P15.1301.541.0.PR	EXTENSION ROD EXCLUSIVELY FOR POWER TILLER	1
28	P15.1301.033.0.PR	PIVOT BOLT EXCLUSIVELY FOR POWER TILLER	1
29	P15.1301.042.0.PR	HI-LOW LEVER EXCLUSIVELY FOR POWER TILLER	1
30	P15.1501.022.0.PR	GEAR SHIFTER COVER ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1
31	P15.1301.036.0.PR	KNOB, HI-LOW EXCLUSIVELY FOR POWER TILLER	1
32	P15.1501.506.0.PR	HANDLE BAR EXCLUSIVELY FOR POWER TILLER	1
33	P15.1301.035.0.PR	KNOB, GEAR SHIFTER LEVER EXCLUSIVELY FOR POWER TILLER	1
34	P15.1501.164.0.PR	STEERING CABLE ASSEMBLY EXCLUSIVELY FOR POWER TILLER	2
35	57.003.10.025.	SET SCREW - M10X1.5X25 - 8.8 WITH TRIVALENT PLATING	4
36	50.001.03.020.	SPLIT COTTER PIN - 2.5X20	6
37	57.507.10.000.	PLAIN PUNCHED WASHER - M10 WITH TRIVALENT PLATING	11
38	P15.1501.071.0.PR	WATER BOTTLE HOLDER EXCLUSIVELY FOR POWER TILLER	1
39	57.505.08.000.	SPRING WASHER - M8 PLATED	2
40	57.003.08.016.	SET SCREW - M8X1.25X16 - 8.8 WITH TRIVALENT PLATING	2
41	57.507.06.000.	PLAIN PUNCHED WASHER - M6 WITH TRIVALENT PLATING	2
42	57.003.14.025.	SET SCREW - M14X2X25 - 8.8 WITH TRIVALENT PLATING	1
43	57.507.12.000.	PLAIN PUNCHED WASHER - M12 WITH TRIVALENT PLATING	2
44	57.505.12.000.	SPRING WASHER - M12 WITH TRIVALENT PLATING	2
45	57.003.12.030.	SET SCREW - M12X1.75X30 - 8.8 WITH TRIVALENT PLATING	2
46	57.006.10.000.	NUT - M10X1.25 - GR.8 WITH TRIVALENT PLATING	6
47	P15.1401.061.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 25 EXCLUSIVELY FOR POWER TILLER	2
48	57.006.08.000.	NUT - M8X1.25 - GR.8 WITH TRIVALENT PLATING	6
49	57.008.10.000.	LOCK NUT - M10X1.5 - GR.8 WITH TRIVALENT PLATING	4



STEERING CONTROLS, GEAR SHIFTING & HANDLE BAR FRAME - MEGA T 15

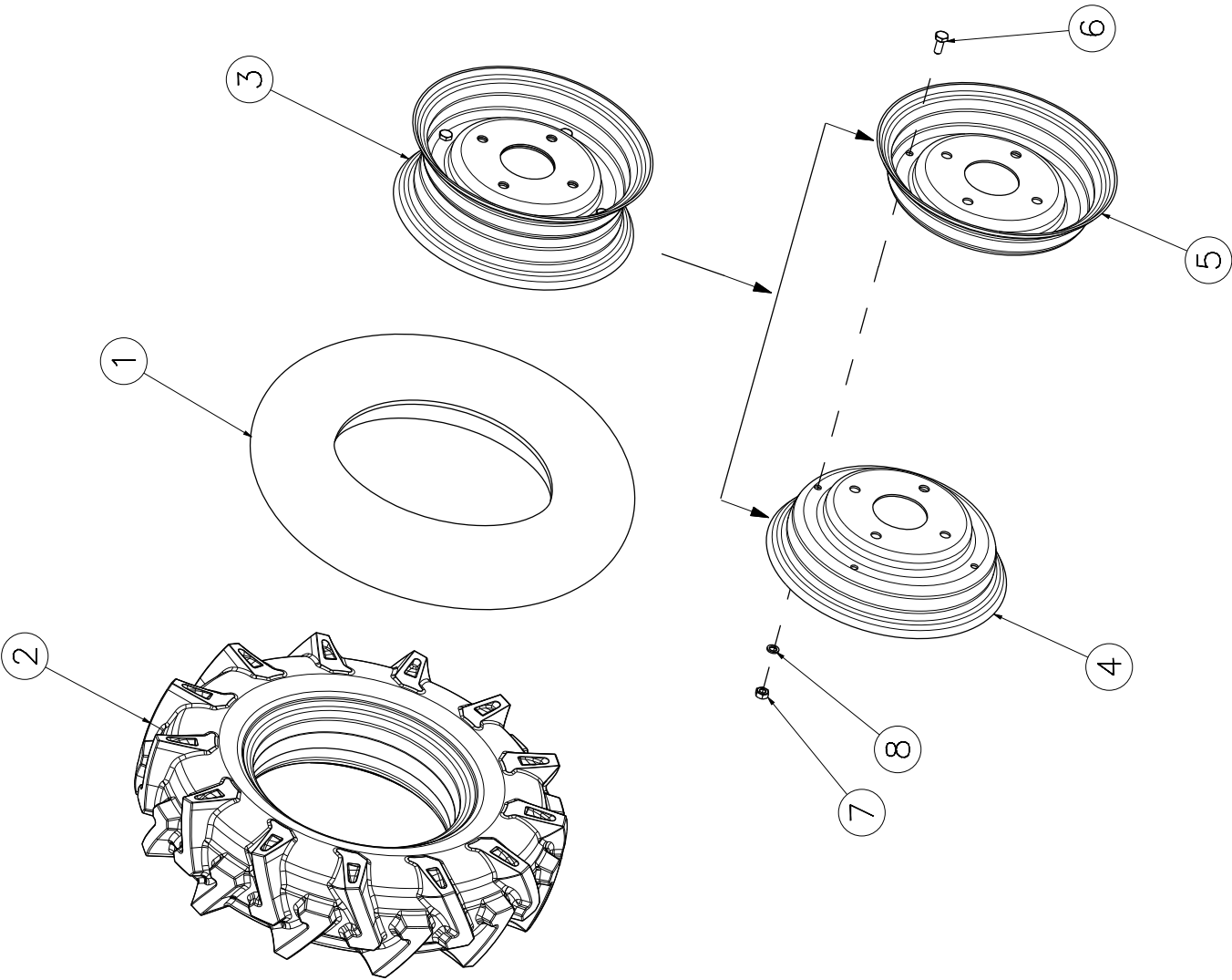
Sr. No.	Item	Description	Qty.	Sr. No.	Item	Description	Qty.
1	P15.1501.052.0.PR	HANDLE GRIP EXCLUSIVELY FOR POWER TILLER	2	28	P15.1301.033.0.PR	PIVOT BOLT EXCLUSIVELY FOR POWER TILLER	
2	P15.1501.802.0.PR	HANDLE ASSEMBLY RH EXCLUSIVELY FOR POWER TILLER	1	29	P15.1301.042.0.PR	HI-LOW LEVER EXCLUSIVELY FOR POWER TILLER	1
3	P15.1401.061.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 25 EXCLUSIVELY FOR POWER TILLER	2	30	P15.1501.022.0.PR	GEAR SHIFTER COVER ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1
4	P15.1501.013.0.PR	DIA 10X26 SLOTTED PIN WITH HEAD, STEERING HANDLE EXCLUSIVELY FOR POWER TILLER	2	31	P15.1301.036.0.PR	KNOB, HI-LOW EXCLUSIVELY FOR POWER TILLER	1
5	P15.1501.051.0.PR	STEERING LEVER EXCLUSIVELY FOR POWER TILLER	2	32	P15.1501.506.0.PR	HANDLE BAR EXCLUSIVELY FOR POWER TILLER	1
6	57.507.08.000.	PLAIN PUNCHED WASHER - M8	6	33	P15.1301.035.0.PR	KNOB, GEAR SHIFTER LEVER EXCLUSIVELY FOR POWER TILLER	1
7	57.003.10.016.	SET SCREW - M10X1.5X16 - 8.8 WITH TRIVALENT PLATING	2	34	P15.1501.164.0.PR	STEERING CABLE ASSEMBLY EXCLUSIVELY FOR POWER TILLER	2
8	P15.1501.801.0.PR	HANDLE ASSEMBLY LH EXCLUSIVELY FOR POWER TILLER	1	35	57.003.10.025.	SET SCREW - M10X1.5X25 - 8.8 WITH TRIVALENT PLATING	4
9	57.507.16.000.	PLAIN PUNCHED WASHER - M16 WITH TRIVALENT PLATING	4	36	57.008.10.000.	LOCK NUT - M10X1.5 - GR.8 WITH TRIVALENT PLATING	4
10	57.505.16.000.	SPRING WASHER - M16 WITH TRIVALENT PLATING	4	37	57.507.10.000.	PLAIN PUNCHED WASHER - M10 WITH TRIVALENT PLATING	4
11	57.003.16.040.	SET SCREW - M16X2X40 - 8.8 WITH TRIVALENT PLATING	4	38	P15.0901.152.0.PR	MASTER CYLINDER ASSEMBLY FRONT EXCLUSIVELY FOR POWER TILLER	1
12	P15.1501.003.0.PR	STEERING ARM MTG COVER EXCLUSIVELY FOR POWER TILLER	1	39	P15.0901.157.0.PR	BRAKE HOSE MASTER ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1
13	57.507.14.000.	PLAIN PUNCHED WASHER - M14 WITH TRIVALENT PLATING	5	40	P15.0901.553.0.PR	TUBE BUNDY FOR BRAKE EXCLUSIVELY FOR POWER TILLER	1
14	57.505.14.000.	SPRING WASHER - M14 WITH TRIVALENT PLATING	5	41	P15.0901.156.0.PR	BRAKE HOSE PANEL ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1
15	57.003.14.030.	SET SCREW - M14X2X30 - 8.8 WITH TRIVALENT PLATING	4	42	P15.1501.071.0.PR	WATER BOTTLE HOLDER EXCLUSIVELY FOR POWER TILLER	1
16	P15.1501.021.0.PR	COVER - STEERING ARM EXCLUSIVELY FOR POWER TILLER	1	43	57.505.08.000.	SPRING WASHER - M8 PLATED	2
17	57.003.10.030.	SET SCREW - M10X1.5X30 - 8.8 WITH TRIVALENT PLATING	2	44	57.003.08.016.	SET SCREW - M8X1.25X16 - 8.8 WITH TRIVALENT PLATING	2
18	57.505.10.000.	SPRING WASHER - M10 WITH TRIVALENT PLATING	7	45	57.507.06.000.	PLAIN PUNCHED WASHER - M6 WITH TRIVALENT PLATING	2
19	P15.1501.007.0.PR	BACKET, STEERING CABLE MOUNTING EXCLUSIVELY FOR POWER TILLER	1	46	57.003.14.025.	SET SCREW - M14X2X25 - 8.8 WITH TRIVALENT PLATING	1
20	P15.1501.116.0.PR	CLEVIS PIN WITH HEX HEAD FOR STEERING CABLE MTG EXCLUSIVELY FOR POWER TILLER	1	47	57.507.12.000.	PLAIN PUNCHED WASHER - M12 WITH TRIVALENT PLATING	2
21	P15.1501.011.0.PR	STEERING ARM EXCLUSIVELY FOR POWER TILLER	2	48	57.505.12.000.	SPRING WASHER - M12 WITH TRIVALENT PLATING	2
22	P15.1901.010.0.PR	CRANK PIN EXCLUSIVELY FOR POWER TILLER	2	49	57.003.12.025.	SET SCREW - M12X1.75X25 - 8.8 WITH TRIVALENT PLATING	2
23	57.505.06.000.	SPRING WASHER - M6 WITH TRIVALENT PLATING	2	50	57.006.10.000.	NUT - M10X1.5 - GR.8 WITH TRIVALENT PLATING	1
24	57.006.06.000.	NUT - M6X1 - GR.8 WITH TRIVALENT PLATING	2	51	P15.1501.027.0.PR	PLUG M12X1.75 EXCLUSIVELY FOR POWER TILLER	2
25	P15.1501.114.0.PR	CLEVIS PIN WITH HEX HEAD FOR STEERING CABLE MTG EXCLUSIVELY FOR POWER TILLER	1	52	P15.1501.028.0.PR	PLUG M16X2 EXCLUSIVELY FOR POWER TILLER	8
26	P15.1301.143.0.PR	CONNECTING LINK, HI-LOW LEVER EXCLUSIVELY FOR POWER TILLER	1	53	P15.1301.037.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 32 EXCLUSIVELY FOR POWER TILLER	2
27	P15.1301.541.0.PR	EXTENSION ROD EXCLUSIVELY FOR POWER TILLER	1	54	P15.1501.029.0.PR	PLASTIC PLUG M8X1.25	2
				55	57.006.08.000.	NUT - M8X1.25 - GR.8 WITH TRIVALENT PLATING	6
				56	50.001.03.020.	SPLIT COTTER PIN - 2.5X20	6



STEERING CONTROLS, GEAR SHIFTING & HANDLE BAR FRAME MEGA T 15 DLX

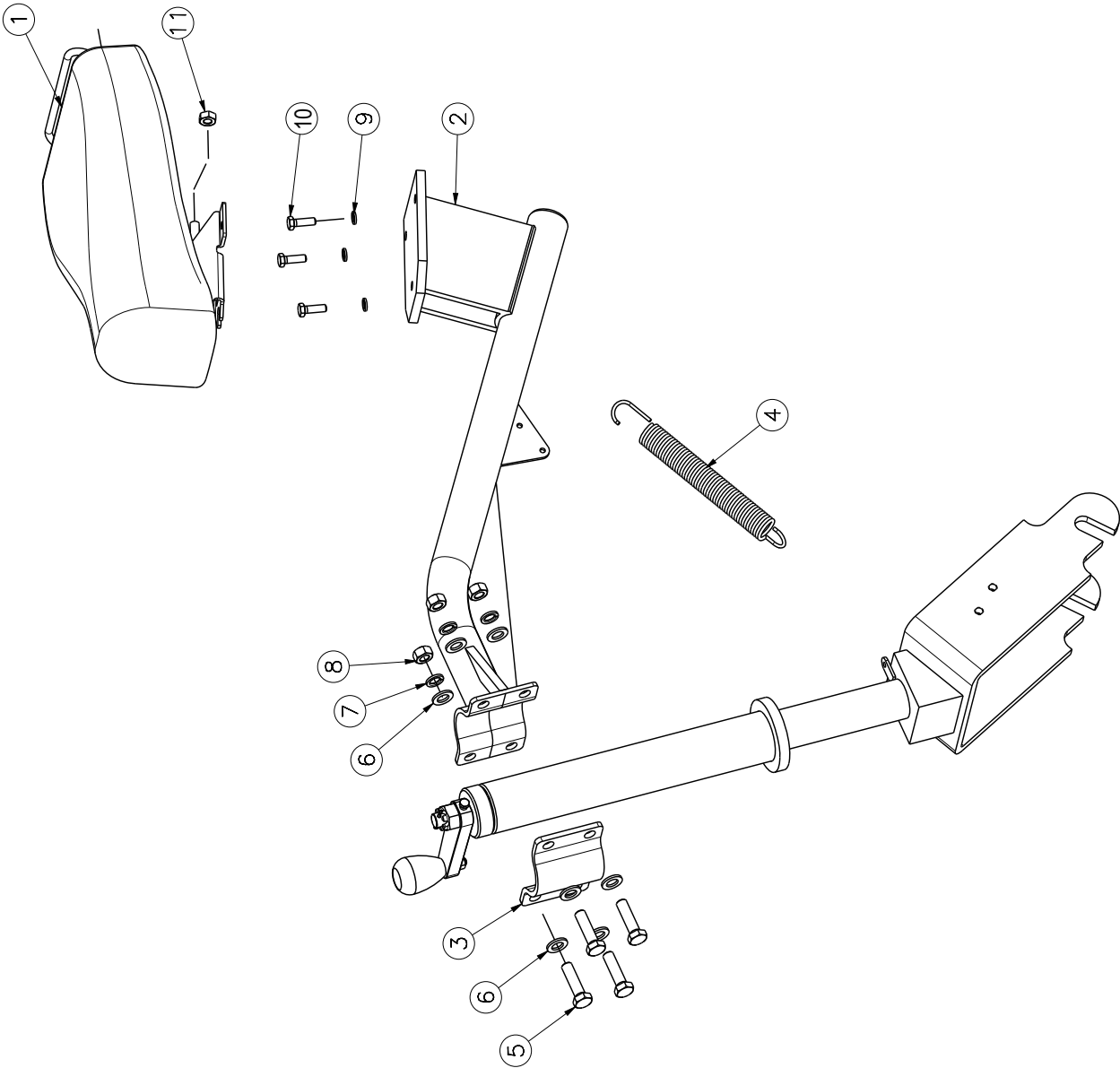
Sr. No.	Item	Description	Qty.
1	P15.1501.052.0.PR	HANDLE GRIP EXCLUSIVELY FOR POWER TILLER	2
2	P15.1501.802.0.PR	HANDLE ASSEMBLY RH EXCLUSIVELY FOR POWER TILLER	1
3	P15.1301.037.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 32 EXCLUSIVELY FOR POWER TILLER	2
4	P15.1501.013.0.PR	DIA 10X26 SLOTTED PIN WITH HEEXCLUSIVELY FOR POWER TILLERAD, STEERING HANDLE	2
5	P15.1501.051.0.PR	STEERING LEVER EXCLUSIVELY FOR POWER TILLER	2
6	57.507.08.000.	PLAIN PUNCHED WASHER - M8	7
7	57.003.10.016.	SET SCREW - M10X1.5X16 - 8.8 WITH TRIVALENT PLATING	2
8	P15.1501.801.0.PR	HANDLE ASSEMBLY LH EXCLUSIVELY FOR POWER TILLER	1
9	57.507.16.000.	PLAIN PUNCHED WASHER - M16	4
10	57.505.16.000.	SPRING WASHER - M16 WITH TRIVALENT PLATING	4
11	57.003.16.040.	SET SCREW - M16X2X40 - 8.8 WITH TRIVALENT PLATING	4
12	P15.1501.003.0.PR	STEERING ARM MTG COVER EXCLUSIVELY FOR POWER TILLER	1
13	57.507.14.000.	PLAIN PUNCHED WASHER - M14	5
14	57.505.14.000.	SPRING WASHER - M14 WITH TRIVALENT PLATING	5
15	57.003.14.030.	SET SCREW - M14X2X30 - 8.8 WITH TRIVALENT PLATING	4
16	P15.1501.021.0.PR	COVER - STEERING ARM EXCLUSIVELY FOR POWER TILLER	1
17	57.003.10.030.	SET SCREW - M10X1.5X30 - 8.8 WITH TRIVALENT PLATING	2
18	57.505.10.000.	SPRING WASHER - M10 WITH TRIVALENT PLATING	7
19	P15.1501.007.0.PR	BRACKET, STEERING CABLE MOUNTING EXCLUSIVELY FOR POWER TILLER	1
20	P15.1501.116.0.PR	CLEVIS PIN WITH HEX HEAD FOR STEERING CABLE MTG EXCLUSIVELY FOR POWER TILLER	1
21	P15.1501.011.0.PR	STEERING ARM EXCLUSIVELY FOR POWER TILLER	2
22	P15.1901.010.0.PR	CRANK PIN EXCLUSIVELY FOR POWER TILLER	2
23	57.505.06.000.	SPRING WASHER - M6 WITH TRIVALENT PLATING	2
24	57.006.06.000.	NUT - M6X1 - GR.8 WITH TRIVALENT PLATING	2
25	P15.1501.114.0.PR	CLEVIS PIN WITH HEX HEAD FOR STEERING CABLE MTG EXCLUSIVELY FOR POWER TILLER	1
26	P15.1401.061.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 25 EXCLUSIVELY FOR POWER TILLER	2
27	P15.1301.143.0.PR	CONNECTING LINK, HI-LOW LEVER EXCLUSIVELY FOR POWER TILLER	1
28	P15.1301.541.0.PR	EXTENSION ROD EXCLUSIVELY FOR POWER TILLER	1
29	P15.1301.033.0.PR	PIVOT BOLT EXCLUSIVELY FOR POWER TILLER	1
30	P15.1301.042.0.PR	HI-LOW LEVER EXCLUSIVELY FOR POWER TILLER	1
31	P15.1501.022.0.PR	GEAR SHIFTER COVER ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1
32	P15.1301.036.0.PR	KNOB, HI-LOW EXCLUSIVELY FOR POWER TILLER	1

Sr. No.	Item	Description	Qty.
33	P15.1501.806.0.PR	HANDLE BAR FOR DLX MODEL EXCLUSIVELY FOR POWER TILLER	1
34	P15.1301.035.0.PR	KNOB, GEAR SHIFTER LEVER EXCLUSIVELY FOR POWER TILLER	1
35	P15.1501.164.0.PR	STEERING CABLE ASSEMBLY EXCLUSIVELY FOR POWER TILLER	2
36	57.003.10.025.	SET SCREW - M10X1.5X25 - 8.8 WITH TRIVALENT PLATING	4
37	50.001.03.020.	SPLIT COTTER PIN - 2.5X20	6
38	P15.0901.152.0.PR	MASTER CYLINDER ASSEMBLY FRONT EXCLUSIVELY FOR POWER TILLER	1
39	P15.0901.157.0.PR	BRAKE HOSE MASTER ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1
40	P15.0901.553.0.PR	TUBE BUNDY FOR BRAKE EXCLUSIVELY FOR POWER TILLER	1
41	P15.0901.156.0.PR	BRAKE HOSE PANEL ASSEMBLY EXCLUSIVELY FOR POWER TILLER	1
42	P15.1501.071.0.PR	WATER BOTTLE HOLDER EXCLUSIVELY FOR POWER TILLER	1
43	57.505.08.000.	SPRING WASHER - M8 PLATED	3
44	57.003.08.016.	SET SCREW - M8X1.25X16 - 8.8 WITH TRIVALENT PLATING	2
45	57.507.06.000.	PLAIN PUNCHED WASHER - M6 WITH TRIVALENT PLATING	2
46	57.003.14.025.	SET SCREW - M14X2X25 - 8.8 WITH TRIVALENT PLATING	1
47	P15.2201.568.0.PR	BRACKET FOR ALTERNATOR BELT COVER EXCLUSIVELY FOR POWER TILLER	1
48	P15.2201.553.0.PR	ALTERNATOR MOUNTING BRACKET (DLX) EXCLUSIVELY FOR POWER TILLER	1
49	P15.2001.175.0.PR	STUD M12X1.75 ROTOTILLER SHAFT EXCLUSIVELY FOR POWER TILLER	4
50	P15.2201.576.0.PR	BATTERY MOUNTING BRACKET EXCLUSIVELY FOR POWER TILLER	1
51	57.006.12.000.	NUT - M12X1.75 - GR.8 WITH TRIVALENT PLATING	4
52	P15.1501.113.0.PR	ANTIVIBRATION PAD FOR DLX EXCLUSIVELY FOR POWER TILLER	2
53	57.507.10.000.	PLAIN PUNCHED WASHER - M10 WITH TRIVALENT PLATING	2
54	57.507.12.000.	PLAIN PUNCHED WASHER - M12	4
55	57.505.12.000.	SPRING WASHER - M12 WITH TRIVALENT PLATING	4
56	P15.2201.554.0.PR	BATTERY NEGATIVE CABLE EXCLUSIVELY FOR POWER TILLER	1
57	P15.2201.569.0.PR	BRACKET SUPPORTING PULLEY COVER EXCLUSIVELY FOR POWER TILLER	1



DRIVE WHEEL ASSEMBLY

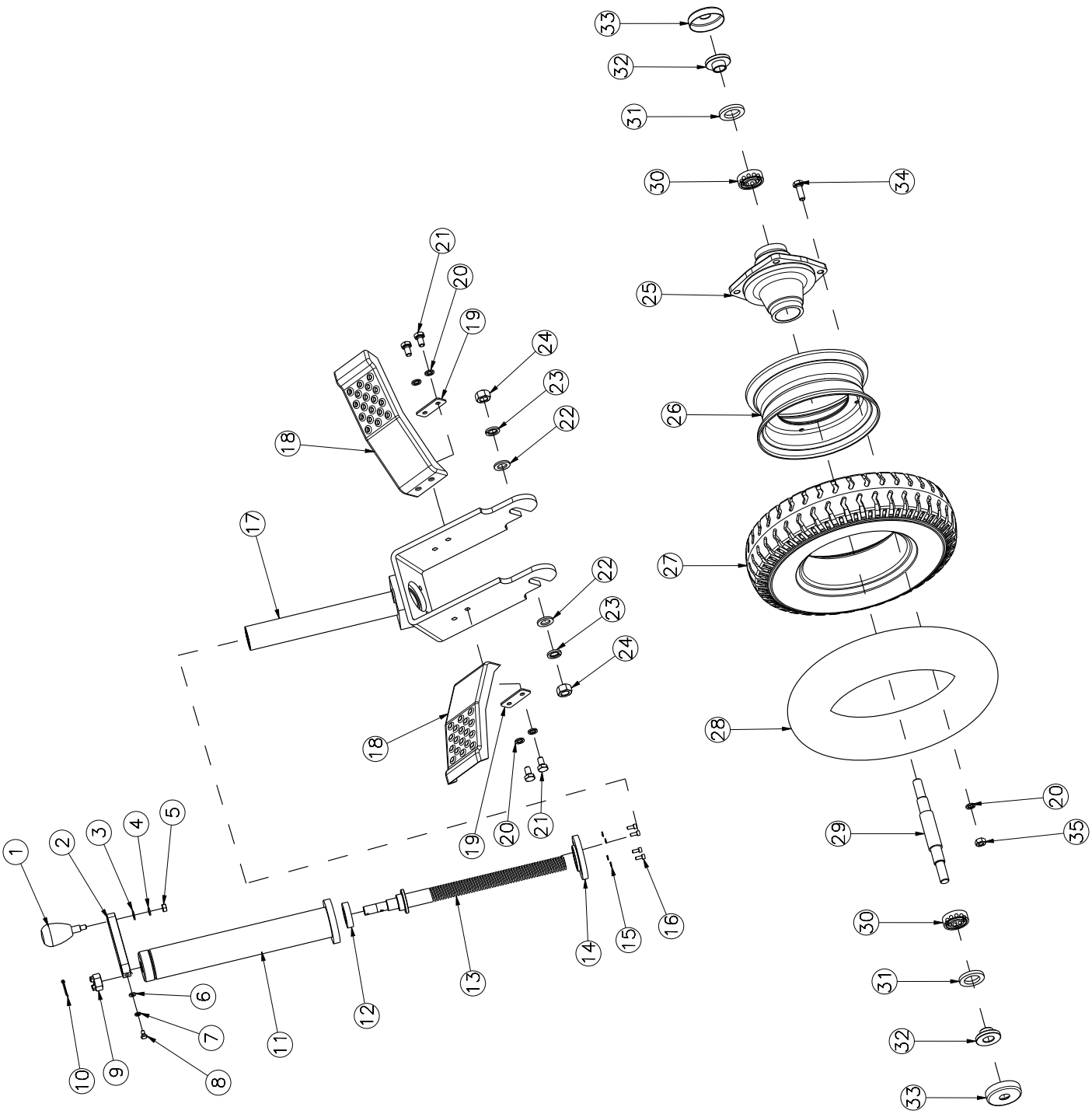
Sr. No.	Item	Description	Qty.
1	P15.1601.004.0.PR	TUBE 6-12	2
2	P15.1601.003.0.PR	TYRE 6-12	2
3	P15.1601.005.0.PR	SPLIT WHEEL 4 x 12 (Consists Sr. No 4,5)	2
4	P15.1601.006.0.PR	RIM1	2
5	P15.1601.007.0.PR	RIM2	2
6	57.003.10.025.	SET SCREW - M10X1.5X25 - 8.8	8
7	57.006.10.000.	NUT - M10X1.5 - GR.8	8
8	57.505.10.000.	SPRING WASHER - M10	8



SEAT ARRANGEMENT

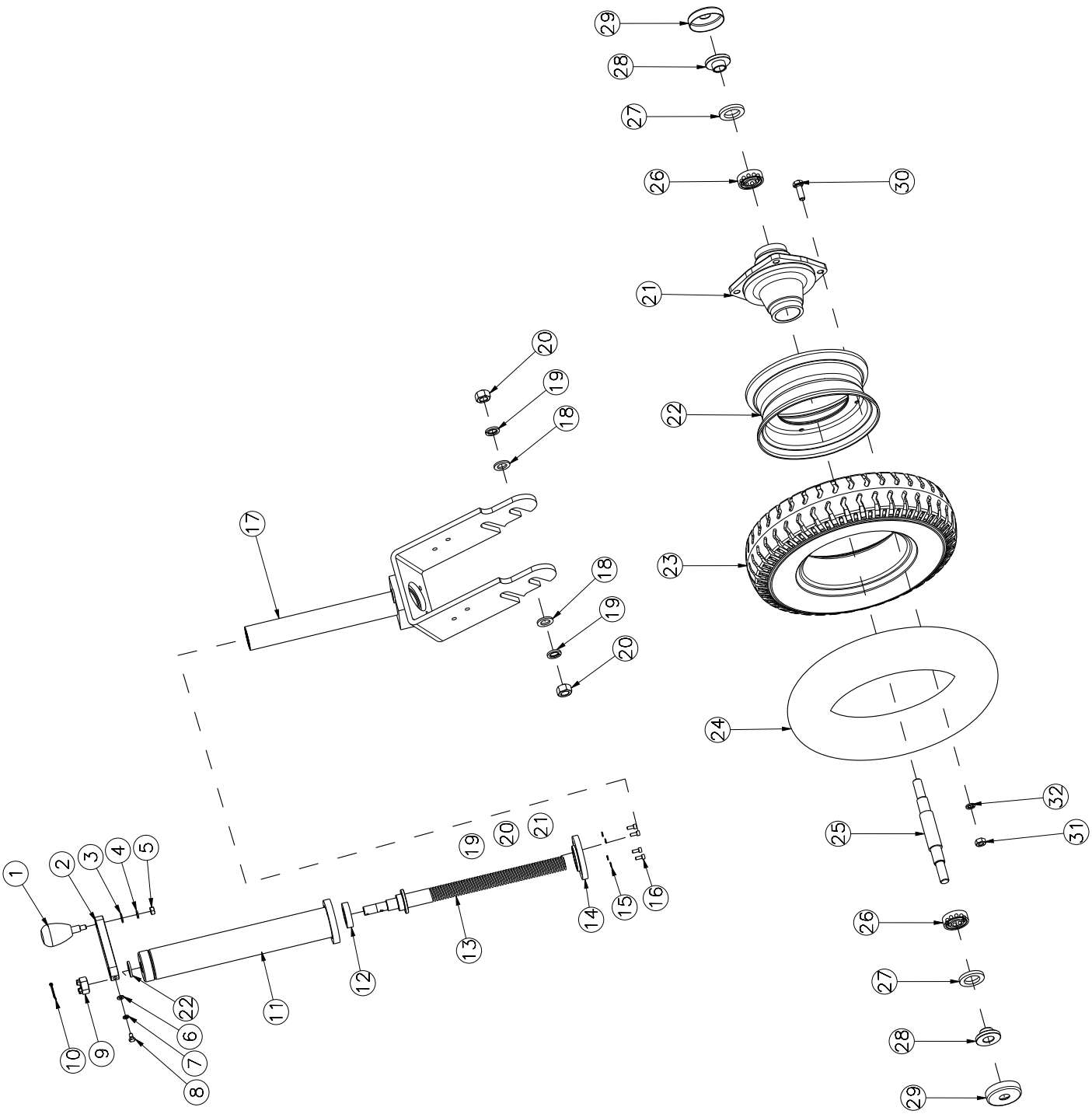
Sr. No.	Item	Description	Qty.
1	P15.1701.001.0.PR	SEAT ASSEMBLY	1
2	P15.1701.009.0.PR	TAIL PIPE AND BRACKET ASSLY	1
3	P15.1701.006.0.PR	CLAMP, TAIL PIPE SEAT MTG. BRACKET	1
4	P15.1701.021.0.PR	SPRING, SUPPORT PIPE SEAT	1
5	57.002.12.045.	SET BOLT - M12X1.75X45 - 8.8	4
6	57.507.12.000.	PLAIN PUNCHED WASHER - M12	8
7	57.505.12.000.	SPRING WASHER - M12	4
8	57.006.12.000.	NUT - M12X1.75 - GR.8	4
9	57.505.08.000.	SPRING WASHER - M8	3
10	57.003.08.025.	SET SCREW - M8X1.25X25 - 8.8	3
11	57.006.10.000.	NUT - M10x1.5 - GR.8	1

TAIL WHEEL ASSEMBLY



TAIL WHEEL ASSEMBLY

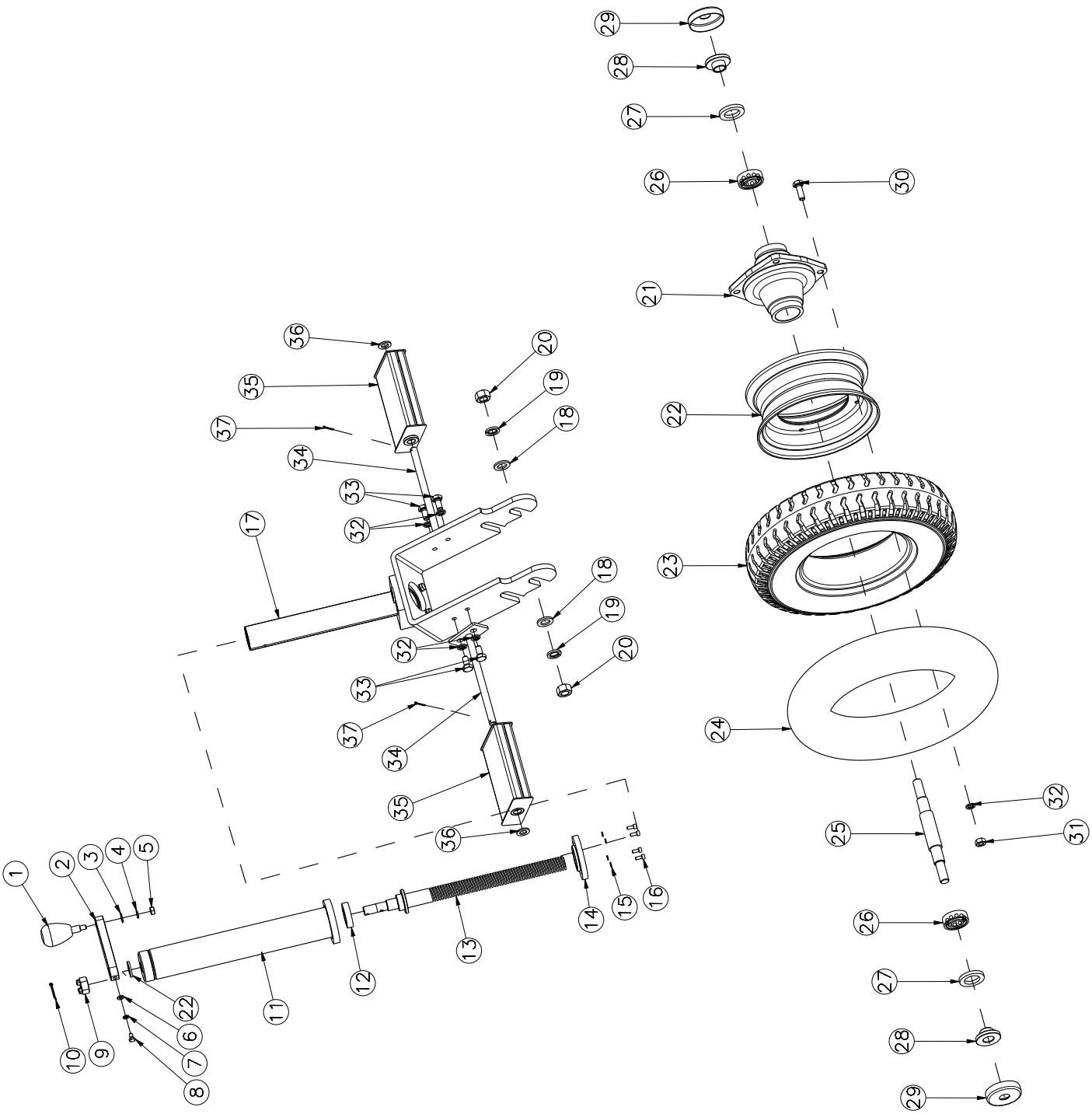
Sr. No.	Item	Description	Qty.
1	P15.1801.031.0.PR	KNOB, TAIL WHEEL ADJUSTING	1
2	P15.1801.101.0.PR	ADJUSTING LEVER	1
3	57.507.08.000.	PLAIN PUNCHED WASHER - M8	1
4	57.505.08.000.	SPRING WASHER - M8	1
5	57.006.08.000.	NUT - M8X1.25 - GR.8	1
6	57.507.06.000.	PLAIN PUNCHED WASHER - M6	1
7	57.505.06.000.	SPRING WASHER - M6	1
8	57.003.06.016.	SET SCREW - M6X1X16 - 8.8	1
9	57.050.16.000.	CASTLE NUT, M16X2	1
10	57.001.04.025.	SPLIT COTTER PIN 3.2X25	1
11	P15.1801.032.0.PR	SLEEVE ASSEMBLY - TAIL WHEEL	1
12	P15.1801.062.0.PR	CYLINDRICAL ROLLER THRUST BEARING WITH THRUST WASHER	1
	P15.1801.120.0.PR	TAIL WHEEL SCREW & FORK ASSY. (Consists Sr. No. 13 & 17)	1
13	P15.1801.033.0.PR	SCREW, TAIL WHEEL	1
14	P15.1801.004.0.PR	END FLANGE, SLEEVE ASSLY	1
15	57.505.05.000.	SPRING WASHER - M5	4
16	57.011.05.012.	ALLEN SCREW, M5X0.8X12	4
17	P15.1801.034.0.PR	FORK ASSEMBLY TAIL WHEEL	1
18	P15.1801.035.0.PR	FOOT REST	2
19	P15.1801.036.0.PR	LINING PLATE, FOOT REST	2
20	57.505.10.000.	SPRING WASHER - M10	8
21	57.003.10.020.	SET SCREW - M10X1.5X20 - 8.8	4
22	57.506.16.000.	PLAIN MACHINED WASHER - M16	2
23	57.505.16.000.	SPRING WASHER - M16	2
24	57.006.16.000.	NUT - M16X2 - GR.8.8	2
25	P15.1801.051.0.PR	HUB, TAIL WHEEL	1
26	P15.1801.013.0.PR	WHEEL RIM ASSEMBLY (TAIL WHEEL)	1
27	P12.1801.522.0.PR	TYRE 3.5-8 EXCLUSIVELY	1
28	P12.1801.523.0.PR	TUBE FOR 3.5X8 TYRE	1
29	P15.1801.003.0.PR	TAIL WHEEL SHAFT - TYRE	1
30	P15.0901.061.0.PR	BEARING 6204	2
31	P15.1801.017.0.PR	OIL SEAL, 13M/47 25 10	2
32	P15.1801.020.0.PR	SEAT, OIL SEAL - TYRE	2
33	P15.1801.019.0.PR	COVER, DUST PROOF TYRE	2
34	57.002.10.030.	SET BOLT - M10X1.5X30 - 8.8	4
35	57.006.10.000.	NUT - M10X1.5 - GR.8	4



TAIL WHEEL ASSEMBLY MEGA T 12

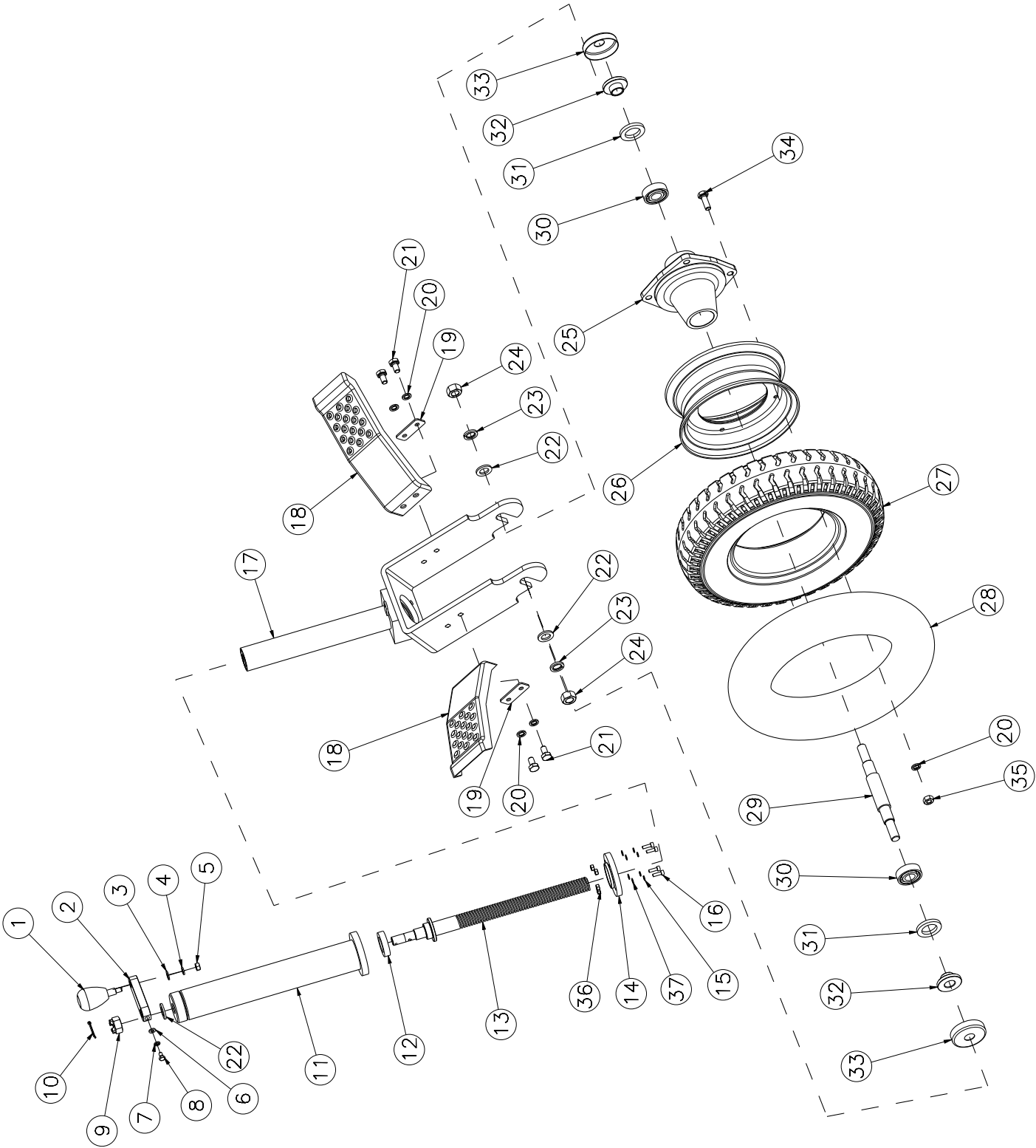
Sr. No.	Item	Description	Qty.
1	P15.1801.031.0.PR	KNOB, TAIL WHEEL ADJUSTING	1
2	P15.1801.101.0.PR	ADJUSTING LEVER	1
3	57.507.08.000.	PLAIN PUNCHED WASHER - M8	1
4	57.505.08.000.	SPRING WASHER - M8	1
5	57.006.08.000.	NUT - M8X1.25 - GR.8	1
6	57.507.06.000.	PLAIN PUNCHED WASHER - M6	1
7	57.505.06.000.	SPRING WASHER - M6	1
8	57.003.06.016.	SET SCREW - M6X1X16 - 8.8	1
9	57.050.16.000.	CASTLE NUT, M16X2	1
10	57.001.04.025.	SPLIT COTTER PIN 3.2X25	1
11	P15.1801.532.0.PR	SLEEVE ASSEMBLY - TAIL WHEEL	1
12	P15.1801.062.0.PR	CYLINDRICAL ROLLER THRUST BEARING WITH THRUST WASHER	1
	P15.1801.120.0.PR	TAIL WHEEL SCREW & FORK ASSY. (Consists Sr. No. 13 & 17)	1
13	P15.1801.033.0.PR	SCREW, TAIL WHEEL	1
14	P15.1801.004.0.PR	END FLANGE, SLEEVE ASSLY	1
15	57.505.05.000.	SPRING WASHER - M5	4
16	57.011.05.014.	ALLEN SCREW, M5X1X14	4
17	P15.1801.934.0.PR	FORK ASSEMBLY TAIL WHEEL	1
18	57.506.16.000.	PLAIN MACHINED WASHER - M16	3
19	57.505.16.000.	SPRING WASHER - M16	2
20	57.006.16.000.	NUT - M16X2 - GR.8.8	2
21	P15.1801.051.0.PR	HUB, TAIL WHEEL	1
22	P15.1801.013.0.PR	WHEEL RIM ASSEMBLY (TAIL WHEEL)	1
23	P12.1801.522.0.PR	TYRE 3.5-8 EXCLUSIVELY	1
24	P12.1801.523.0.PR	TUBE FOR 3.5X8 TYRE	1
25	P15.1801.003.0.PR	TAIL WHEEL SHAFT - TYRE	1
26	P15.0901.061.0.PR	BEARING 6204	2
27	P15.1801.017.0.PR	OIL SEAL, 13M/47 25 10	2
28	P15.1801.020.0.PR	SEAT, OIL SEAL - TYRE	2
29	P15.1801.019.0.PR	COVER, DUST PROOF TYRE	2
30	57.002.10.030.	SET BOLT - M10X1.5X30 - 8.8	4
31	57.006.10.000.	NUT - M10X1.5 - GR.8	4
32	57.505.10.000.	SPRING WASHER-M10	8

TAIL WHEEL ASSEMBLY MEGA T 15 SCC & DLX



TAIL WHEEL ASSEMBLY MEGA T 15 SCC & DLX

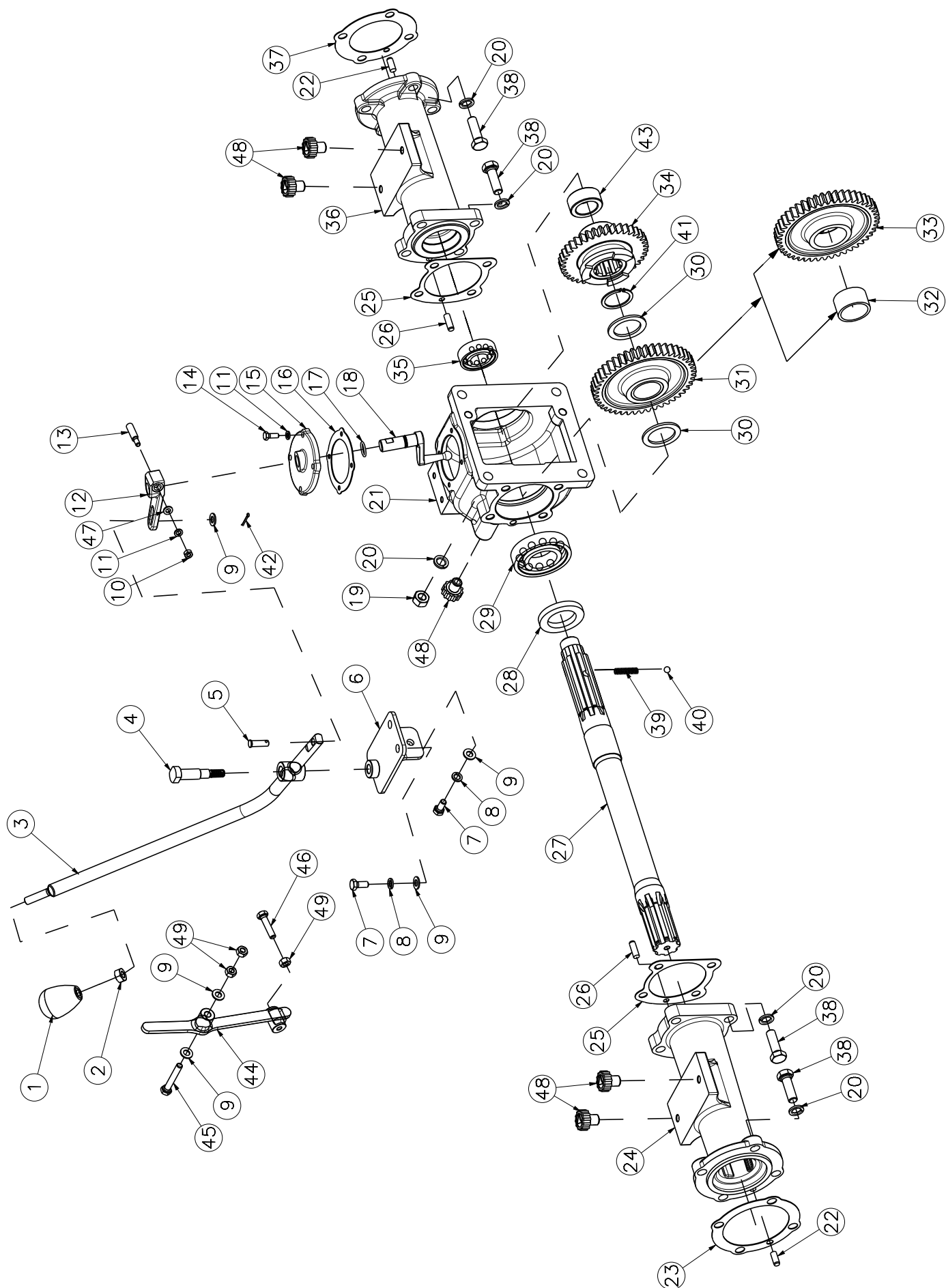
Sr. No.	Item	Description	Qty.
1	P15.1801.031.0.PR	KNOB, TAIL WHEEL ADJUSTING	1
2	P15.1801.101.0.PR	ADJUSTING LEVER	1
3	57.507.08.000.	PLAIN PUNCHED WASHER - M8	1
4	57.505.08.000.	SPRING WASHER - M8	1
5	57.006.08.000.	NUT - M8X1.25 - GR.8	1
6	57.507.06.000.	PLAIN PUNCHED WASHER - M6	1
7	57.505.06.000.	SPRING WASHER - M6	1
8	57.003.06.016.	SET SCREW - M6X1X16 - 8.8	1
9	57.050.16.000.	CASTLE NUT, M16X2	1
10	57.001.04.025.	SPLIT COTTER PIN 3.2X25	1
11	P15.1801.032.0.PR	SLEEVE ASSEMBLY - TAIL WHEEL	1
12	P15.1801.062.0.PR	CYLINDRICAL ROLLER THRUST BEARING WITH THRUST WASHER	1
	P15.1801.120.0.PR	TAIL WHEEL SCREW & FORK ASSY. (Consists Sr. No. 13 & 17)	1
13	P15.1801.033.0.PR	SCREW, TAIL WHEEL	1
14	P15.1801.004.0.PR	END FLANGE, SLEEVE ASSLY	1
15	57.505.05.000.	SPRING WASHER - M5	4
16	57.011.05.014.	ALLEN SCREW, M5X1X14	4
17	P15.1801.934.0.PR	FORK ASSEMBLY TAIL WHEEL	1
18	57.506.16.000.	PLAIN MACHINED WASHER - M16	3
19	57.505.16.000.	SPRING WASHER - M16	2
20	57.006.16.000.	NUT - M16X2 - GR.8.8	2
21	P15.1801.051.0.PR	HUB, TAIL WHEEL	1
22	P15.1801.013.0.PR	WHEEL RIM ASSEMBLY (TAIL WHEEL)	1
23	P12.1801.522.0.PR	TYRE 3.5-8 EXCLUSIVELY	1
24	P12.1801.523.0.PR	TUBE FOR 3.5X8 TYRE	1
25	P15.1801.003.0.PR	TAIL WHEEL SHAFT - TYRE	1
26	P15.0901.061.0.PR	BEARING 6204	2
27	P15.1801.017.0.PR	OIL SEAL, 13M/47 25 10	2
28	P15.1801.020.0.PR	SEAT, OIL SEAL - TYRE	2
29	P15.1801.019.0.PR	COVER, DUST PROOF TYRE	2
30	57.002.10.030.	SET BOLT - M10X1.5X30 - 8.8	4
31	57.006.10.000.	NUT - M10X1.5 - GR.8	4
32	57.505.10.000.	SPING WASHER-M10	8
33	57.003.10.020.	SET SCREW - M10X1.5X20-8.8	4
34	P15.1801.135.0.PR	BRACKET PEDAL FOR SWIVEL	2
35	P15.1801.136.0.PR	PEDAL SWIVEL	2
36	57.507.12.000.	PLAIN PUNCHED WASHER -M12	2
37	57.001.03.020.	SPLIT COTTER PIN 2.5X20	2



TAIL WHEEL ASSEMBLY MEGA T 15 OFV W

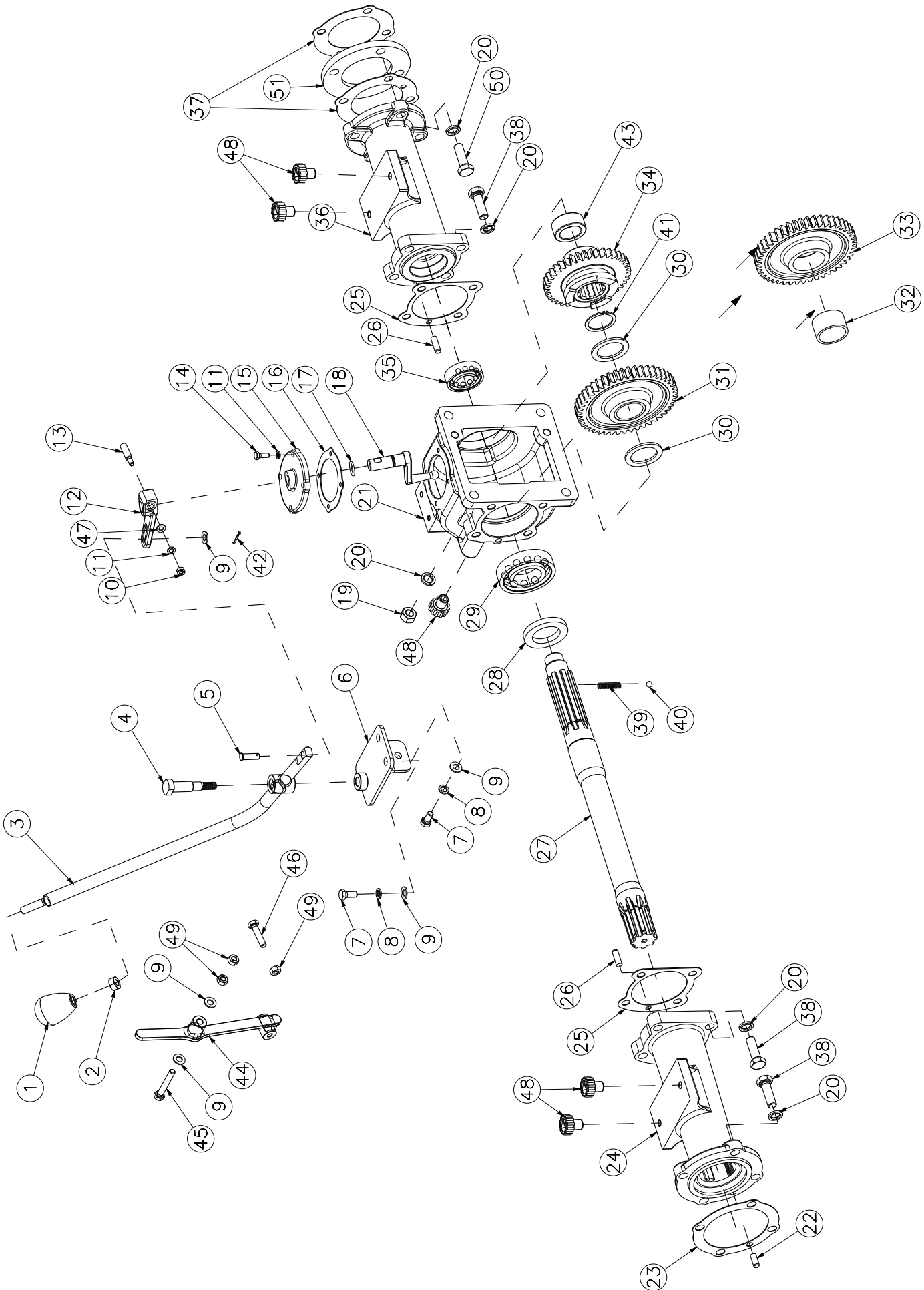
Sr. No	Item	Description	Qty
1	P15.1801.031.0.PR	KNOB, TAIL WHEEL ADJUSTING EXCLUSIVELY FOR POWER TILLER	1
2	P15.1801.101.0.PR	ADJUSTING LEVER EXCLUSIVELY FOR POWER TILLER	1
3	57.507.08.000.	PLAIN PUNCHED WASHER - M8	2
4	57.505.08.000.	SPRING WASHER - M8 PLATED	1
5	57.006.08.000.	NUT- M8X1.25 - GR.8 WITH TRIVALENT PLATING	1
6	57.507.06.000.	PLAIN PUNCHED WASHER - M6 WITH TRIVALENT PLATING	1
7	57.505.06.000.	SPRING WASHER - M6 WITH TRIVALENT PLATING	1
8	57.003.06.025.	SET SCREW - M6X1X25 - 8.8 WITH TRIVALENT PLATING	1
9	50.050.16.000.	CASTLE NUT M16	1
10	50.001.04.025.	SPLIT PIN.	1
11	P15.1801.232.0.PR	SLEEVE ASSEMBLY - TAIL WHEEL EXCLUSIVELY FOR POWER TILLER	1
12	P15.1801.062.0.PR	CYLINDRICAL ROLLER THRUST BEARING WITH THRUST WASHER EXCLUSIVELY FOR POWER TILLER	1
13	P15.1801.033.0.PR	SCREW, TAIL WHEEL EXCLUSIVELY FOR POWER TILLER	1
14	P15.1801.004.0.PR	END FLANGE - SLEEVE ASSEMBLY TAIL WHEEL EXCLUSIVELY FOR POWER TILLER	1
15	57.505.05.000.	SPRING WASHER - M5 WITH TRIVALENT PLATING	4
16	57.011.05.030.	ALLEN SCREW, M5X0.8X30 WITH TRIVALENT PLATING	4
17	P15.1801.034.0.PR	FORK ASSEMBLY TAIL WHEEL EXCLUSIVELY FOR POWER TILLER	1
18	P15.1801.035.0.PR	FOOT REST EXCLUSIVELY FOR POWER TILLER	2
19	P15.1801.036.0.PR	LINING PLATE, FOOT REST EXCLUSIVELY FOR POWER TILLER	2
20	57.505.10.000.	SPRING WASHER - M10 WITH TRIVALENT PLATING	8
21	57.003.10.020.	SET SCREW - M10X1.5X20 - 8.8 WITH TRIVALENT PLATING	4
22	57.507.16.000.	PLAIN PUNCHED WASHER - M16 WITH TRIVALENT PLATING	3
23	57.505.16.000.	SPRING WASHER - M16 WITH TRIVALENT PLATING	2
24	57.006.16.000.	NUT - M16X2 - GR.8.8 WITH TRIVALENT PLATING	2
25	P15.1801.051.0.PR	HUB, TAIL WHEEL EXCLUSIVELY FOR POWER TILLER	1
26	P15.1801.013.0.PR	WHEEL RIM ASSEMBLY (TAIL WHEEL) EXCLUSIVELY FOR POWER TILLER	1
27	P12.1801.522.0.PR	TYRE 3.5-8 EXCLUSIVELY FOR POWER TILLER	1
28	P12.1801.523.0.PR	TUBE FOR 3.5X8 TYRE EXCLUSIVELY FOR POWER TILLER	1
29	P15.1801.003.0.PR	TAIL WHEEL SHAFT - TYRE EXCLUSIVELY FOR POWER TILLER	1
30	P15.0901.061.0.PR	BEARING 6204 EXCLUSIVELY FOR POWER TILLER	2
31	P15.1801.017.0.PR	OIL SEAL, 13M/47 25 10 EXCLUSIVELY FOR POWER TILLER	2
32	P15.1801.020.0.PR	SEAT, OIL SEAL - TYRE EXCLUSIVELY FOR POWER TILLER	2
33	P15.1801.019.0.PR	COVER, DUST PROOF TYRE EXCLUSIVELY FOR POWER TILLER	2
34	57.002.10.030.	SET BOLT - M10X1.5X30 - 8.8 TRIVALENT PLATING	4
35	57.006.10.000.	NUT - M10X1.5 - GR.8 WITH TRIVALENT PLATING	4
36	57.006.05.000.	NUT - M5X0.8 - GR.8 WITH TRIVALENT PLATING	8
37	57.507.05.000.	PLAIN PUNCHED WASHER - M5 WITH TRIVALENT PLATING	8

ROTOTILLER GEAR BOX



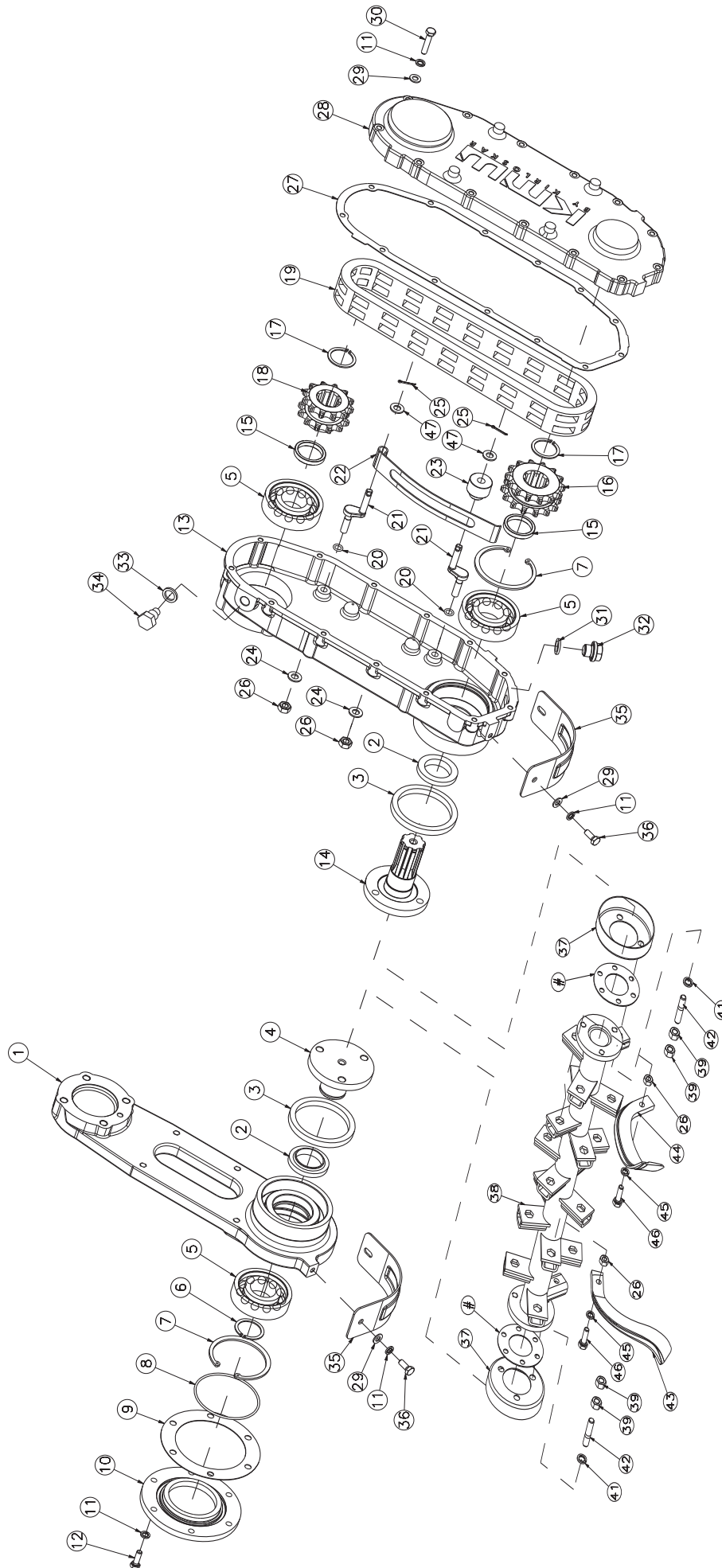
ROTOTILLER GEAR BOX

Sr. No.	Item	Description	Qty.
1	P15.1501.004.0.PR	KNOB ROTOTILLER	1
2	57.006.10.000.	NUT M10X1.5 - GR.8	1
3	P15.1501.005.0.PR	GEAR SHIFTER LEVER, ROTOTILLER	1
4	P15.1301.033.0.PR	PIVOT BOLT, HI-LOW	1
5	P15.1401.061.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 25	1
6	P15.1501.509.0.PR	BRACKET PIVOT, ROTOTILLER	1
7	57.003.08.020.	SET SCREW - M8X1.25X20 - 8.8	3
8	57.505.08.000.	SPRING WASHER - M8	3
9	57.507.08.000.	PLAIN PUNCHED WASHER - M8	6
10	57.006.06.000.	NUT M6X1 - GR.8	1
11	57.505.06.000.	SPRING WASHER - M6	5
12	P15.1901.009.0.PR	ARM GEAR SHIFTING	1
13	P15.1901.010.0.PR	CRANK PIN	1
14	57.003.06.016.	SET SCREW - M6X1X16 - 8.8	4
15	P15.1901.006.0.PR	COVER, HSG ROTOTILLER GEARBOX	1
16	P15.1901.084.0.PR	PAPER GASKET, ROTARY TILLER HSG	1
17	P15.1101.085.0.PR	O-RING 16x2.4	1
18	P15.1901.011.0.PR	ROCKER FINGER, ROTOTILLER GEAR BOX	1
19	57.006.12.000.	NUT - M12X1.75 - GR.8	4
20	57.505.12.000.	SPRING WASHER - M12	20
21	P15.1901.005.0.PR	HOUSING ROTOTILLER GEAR BOX	1
22	50.401.08.020.	DOWEL PIN 8X20	2
23	P15.1901.081.0.PR	PAPER GASKET, HSG RH ROTOTILLER SHAFT	1
24	P15.1901.004.0.PR	HOUSING, ROTOTILLER SHAFT RH	1
25	P15.1901.082.0.PR	PAPER GASKET, LH/RH ROTOTILLER HSG	2
26	50.401.08.025.	DOWEL PIN 8X25	2
27	P15.1902.108.0.PR	SHAFT, ROTOTILLER GEAR BOX	1
28	P15.1901.071.0.PR	OIL SEAL, 13M/62 40 8	1
29	P15.1901.061.0.PR	BEARING 6208	1
30	P15.1901.012.0.PR	WASHER, GEAR TILLING ROTOR TRANSMISSION	2
31	P15.1902.501.0.PR	GEAR TILLING ROTOR TRANSMISSION (Consists Sr. No 32, 33)	1
32	P15.1901.031.0.PR	BUSH	1
33	P15.1902.001.0.PR	GEAR	1
34	P15.1902.102.0.PR	GEAR, INNER SPLINED JAW ROTOTILLER	1
35	P15.0901.062.0.PR	BEARING 6205	1
36	P15.1901.003.0.PR	HOUSING, ROTOTILLER SHAFT LH	1
37	P15.1901.083.0.PR	PAPER GASKET, FOR LH HSG ROTOTILLER SHAFT	1
38	57.003.12.040.	SET SCREW - M12X1.75X40 - 8.8	16
39	P15.0901.075.0.PR	SPRING, SHIFTING FORK	1
40	50.529.09.000.	STEEL BALL HARD (IS 2898 'OO') 8 MM	1
41	50.501.38.000.	CIRCLIP EXTERNAL - 38 MM	1
42	57.001.03.020.	SPLIT COTTER PIN - 2.5X20	1
43	P15.1901.013.0.PR	RETAINER, GEAR INNER JAW ROTOTILLER	1
44	P15.1501.056.0.PR	LEVER FOR ROTOTILLER LOCKING PLATE	1
45	57.003.08.055.	SET SCREW - M8X1.25X55 - 8.8	1
46	57.003.08.035.	SET SCREW - M8X1.25X35 - 8.8	1
47	57.507.06.000.	PLAIN PUNCHED WASHER - M6	1
48	P15.1501.027.0.PR	PLUG - M12X1.75	6
49	57.006.08.000.	NUT M8X1.25 - GR. 8	3



ROTOTILLER GEAR BOX SCC & DLX

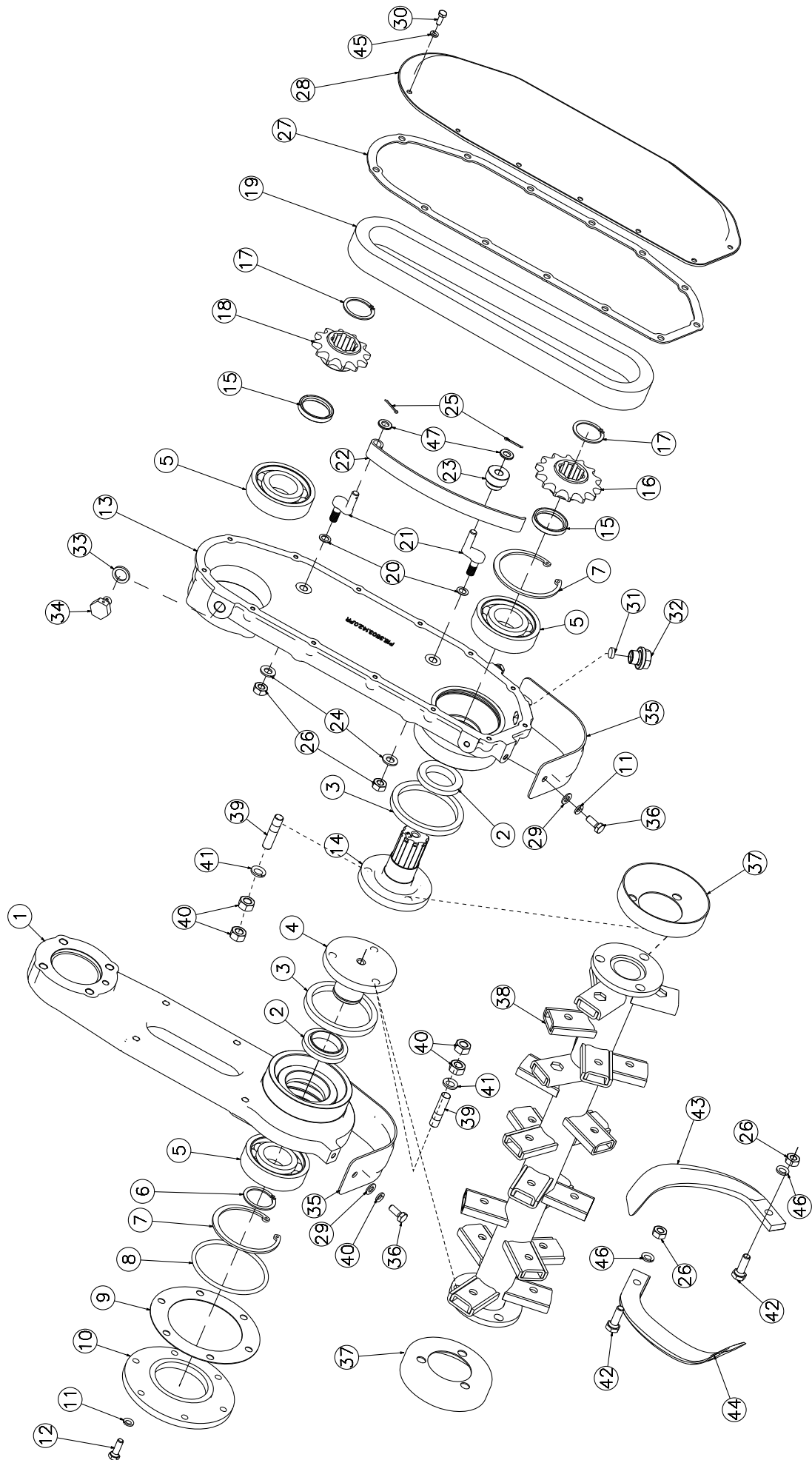
Sr. No.	Item	Description	MEGA T 15 Qty.	MEGA T 12 Qty.
1	P15.1501.004.0.PR	KNOB ROTOTILLER	1	1
2	57.006.10.000.	NUT M10X1.5 - GR.8	1	1
3	P15.1501.005.0.PR	GEAR SHIFTER LEVER, ROTOTILLER	1	1
4	P15.1301.033.0.PR	PIVOT BOLT, HI-LOW	1	1
5	P15.1401.061.0.PR	CLEVIS PIN WITH HEAD DIA 8 x 25	1	1
6	P15.1501.509.0.PR	BRACKET PIVOT, ROTOTILLER	1	1
7	57.003.08.020.	SET SCREW - M8X1.25X20 - 8.8	3	3
8	57.505.08.000.	SPRING WASHER - M8	3	3
9	57.507.08.000.	PLAIN PUNCHED WASHER - M8	6	6
10	57.006.06.000.	NUT M6X1 - GR.8	1	1
11	57.505.06.000.	SPRING WASHER - M6	5	5
12	P15.1901.009.0.PR	ARM GEAR SHIFTING	1	1
13	P15.1901.010.0.PR	CRANK PIN	1	1
14	57.003.06.016.	SET SCREW - M6X1X16 - 8.8	4	4
15	P15.1901.006.0.PR	COVER, HSG ROTOTILLER GEARBOX	1	1
16	P15.1901.084.0.PR	PAPER GASKET, ROTARY TILLER HSG	1	1
17	P15.1101.085.0.PR	O-RING 16x2.4	1	1
18	P15.1901.011.0.PR	ROCKER FINGER, ROTOTILLER GEAR BOX	1	1
19	57.006.12.000.	NUT - M12X1.75 - GR.8	4	4
20	57.505.12.000.	SPRING WASHER - M12	20	20
21	P15.1901.005.0.PR	HOUSING ROTOTILLER GEAR BOX	1	1
22	50.401.08.020.	DOWEL PIN 8X20	1	1
23	P15.1901.081.0.PR	PAPER GASKET, HSG RH ROTOTILLER SHAFT	1	1
24	P15.3502.004.0.PR	HOUSING, ROTOTILLER SHAFT RH	1	1
25	P15.1901.082.0.PR	PAPER GASKET, LH / RH ROTOTILLER HSG	2	2
26	50.401.08.025.	DOWEL PIN 8X25	2	2
27	P15.3502.208.0.PR	SHAFT, ROTOTILLER GEAR BOX	1	1
28	P15.1901.071.0.PR	OIL SEAL, 13M/62 40 8	1	1
29	P15.1901.061.0.PR	BEARING 6208	1	1
30	P15.1901.012.0.PR	WASHER, GEAR TILLING ROTOR TRANSMISSION	2	2
31	P15.1902.501.0.PR	GEAR TILLING ROTOR TRANSMISSION (Consists Sr. No 32, 33)	1	1
32	P15.1901.031.0.PR	BUSH	1	1
33	P15.1902.001.0.PR	GEAR	1	1
34	P15.1902.102.0.PR	GEAR, INNER SPLINE JAW ROTOTILLER	1	1
35	P15.0901.062.0.PR	BEARING 6205	1	1
36	P15.1901.003.0.PR	HOUSING, ROTOTILLER SHAFT LH	1	1
37	P15.1901.083.0.PR	PAPER GASKET, FOR LH HSG ROTOTILLER SHAFT	2	2
38	57.003.12.040.	SET SCREW - M12X1.75X40 - 8.8	12	12
39	P15.0901.075.0.PR	SPRING, SHIFTING FORK	1	1
40	50.529.09.000.	STEEL BALL HARD (IS 2898 'OO') 8 MM	1	1
41	50.501.38.000.	CIRCLIP EXTERNAL - 38 MM	1	1
42	57.001.03.020.	SPLIT COTTER PIN - 2.5X20	1	1
43	P15.1901.013.0.PR	RETAINER, GEAR INNER JAW ROTOTILLER	1	1
44	P15.1501.056.0.PR	LEVER FOR ROTOTILLER LOCKING PLATE	1	1
45	57.003.08.055.	SET SCREW - M8X1.25X55 - 8.8	1	1
46	57.003.08.035.	SET SCREW - M8X1.25X35 - 8.8	1	1
47	57.507.06.000.	PLAIN PUNCHED WASHER - M6	1	1
48	P15.1501.027.0.PR	PLUG - M12X1.75	6	6
49	57.006.08.000.	NUT M8X1.25 - GR. 8	3	3
50	57.003.12.050.	SET SCREW-M12X1.75X50-8.8	4	4
51	P15.3503.001.0.PR	SPACER SUPPORT LEFT HSG	1	1



ROTOTILLER TRANSMISSION AND SHAFT ASSEMBLY

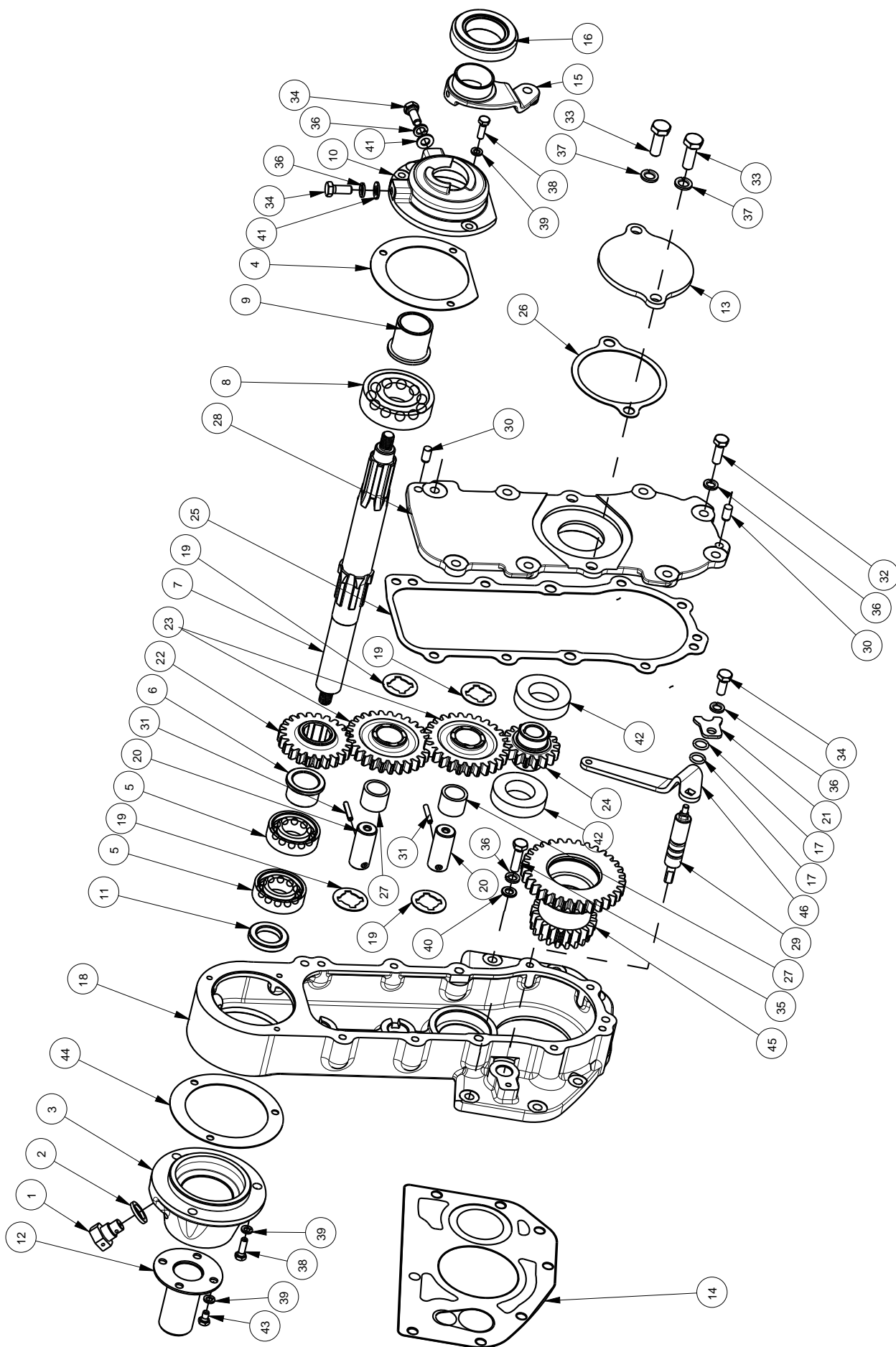
Sr. No.	Item	Description	Qty.
1	P15.2001.141.0.PR	HOUSING LEFT SUPPORTING, ROTOTILLER MUD SEAL	1
2	P15.2001.076.0.PR	OIL SEAL 42X62X11.5	2
3	P15.2001.038.0.PR	FELT SEAL, 102X85X10	2
4	P15.2001.105.0.PR	ROTOTILLER SHAFT WITH OUT SPLINES	1
5	P15.2001.061.0.PR	BEARING 6308 C3	3
6	50.501.40.000.	CIRCLIP EXTERNAL - 40 MM	1
7	50.502.90.000.	CIRCLIP INTERNAL - 90 MM	2
8	P15.2001.035.0.PR	O RING - ROTOTILLER SUPPORT PLATE LH	1
9	P15.2001.081.0.PR	PAPER GASKET, FOR ROTO TILLER CAP	1
10	P15.2001.015.0.PR	COVER, ROTOTILLER MECHANICAL SEAL	1
11	57.505.08.000.	SPRING WASHER - M8	23
12	57.003.08.025.	SET SCREW - M8X1.25X25 - 8.8	6
13	P15.2001.142.0.PR	HOUSING ROTOTILLER TRANSMISSION CASE MUD SEAL	1
14	P15.2002.204.0.PR	SHAFT WITH SPLINE ROTOTILLER CHAIN HSG	1
15	P15.2001.109.0.PR	SPACER, SPROCKET ROTOTILLER (7.5MM)	2
16	P15.2002.102.0.PR	DRIVEN SPROCKET, ROTOTILLER	1
17	50.501.38.000.	CIRCLIP EXTERNAL - 38 MM	2
18	P15.2002.101.0.PR	DRIVING SPROCKET, ROTOTILLER	1
19	P15.2001.071.0.PR	CHAIN ASSEMBLY ROTOTILLER	1
20	50.508.08.000.	COPPER WASHER- M10	2
21	P15.2001.003.0.PR	SPRING ROD	2
22	P15.2001.032.0.PR	SPRING, TENSIONER	1
23	P15.2001.006.0.PR	ROLLER TENSIONER ROTOTILLER	1
24	57.507.10.000.	PLAIN PUNCHED WASHER - M10	2
25	57.001.03.020.	SPLIT COTTER PIN - 2.5X20	2
26	57.006.10.000.	NUT - M10X1.5 - GR.8	22
27	P15.2001.082.0.PR	GASKET, FOR ROTO TILLER COVER	1
28	P15.2001.213.0.PR	COVER FOR ROTOTILLER HOUSING	1
29	57.507.08.000.	PLAIN PUNCHED WASHER - M8	17
30	57.004.08.040.	SET BOLT - M8X1X40 - 8.8	13
31	F6.024.47.0.00	O - RING FOR DRAIN PLUG	1
32	2H.035.02.0.00	PRECOATED DRAIN PLUG	1
33	P15.2001.052.0.PR	ALUMINIUM WASHER	1
34	P15.2001.051.0.PR	BREATHER BOLT	1
35	P15.2001.027.0.PR	GUARD PLATE, ROTOTILLER HOUSING	2
36	57.003.08.020.	SET SCREW - M8X1.25X20 - 8.8	4
37	P15.2001.129.0.PR	PROTECTING CAP (ID 119), ROTOTILLER SHAFT	2
38	P15.2001.021.0.PR	ROTOTILLER SHAFT	1
39	57.006.12.000.	NUT - M12	6
41	57.505.12.000.	SPRING WASHER - M12	6
42	P15.2001.175.0.PR	STUD FOR SHAFT, ROTOTILLER	6
43	P15.2001.078.0.PR	BLADE TILLING, LEFT	10
44	P15.2001.079.0.PR	BLADE TILLING, RIGHT	10
45	57.505.10.000.	SPRING WASHER - M10	20
46	57.003.10.030.	SET SCREW - M10X1.5X30 - 8.8	20
47	57.506.10.000.	PLAIN MACHINED WASHER - M10	2
48#	P15.2001.025.0.PR	FILLER PLATE, ROTOTILLER SHAFT	AR

ROTOTILLER TRANSMISSION AND SHAFT ASSEMBLY SCC & DLX



ROTOTILLER TRANSMISSION AND SHAFT ASSEMBLY SCC & DLX

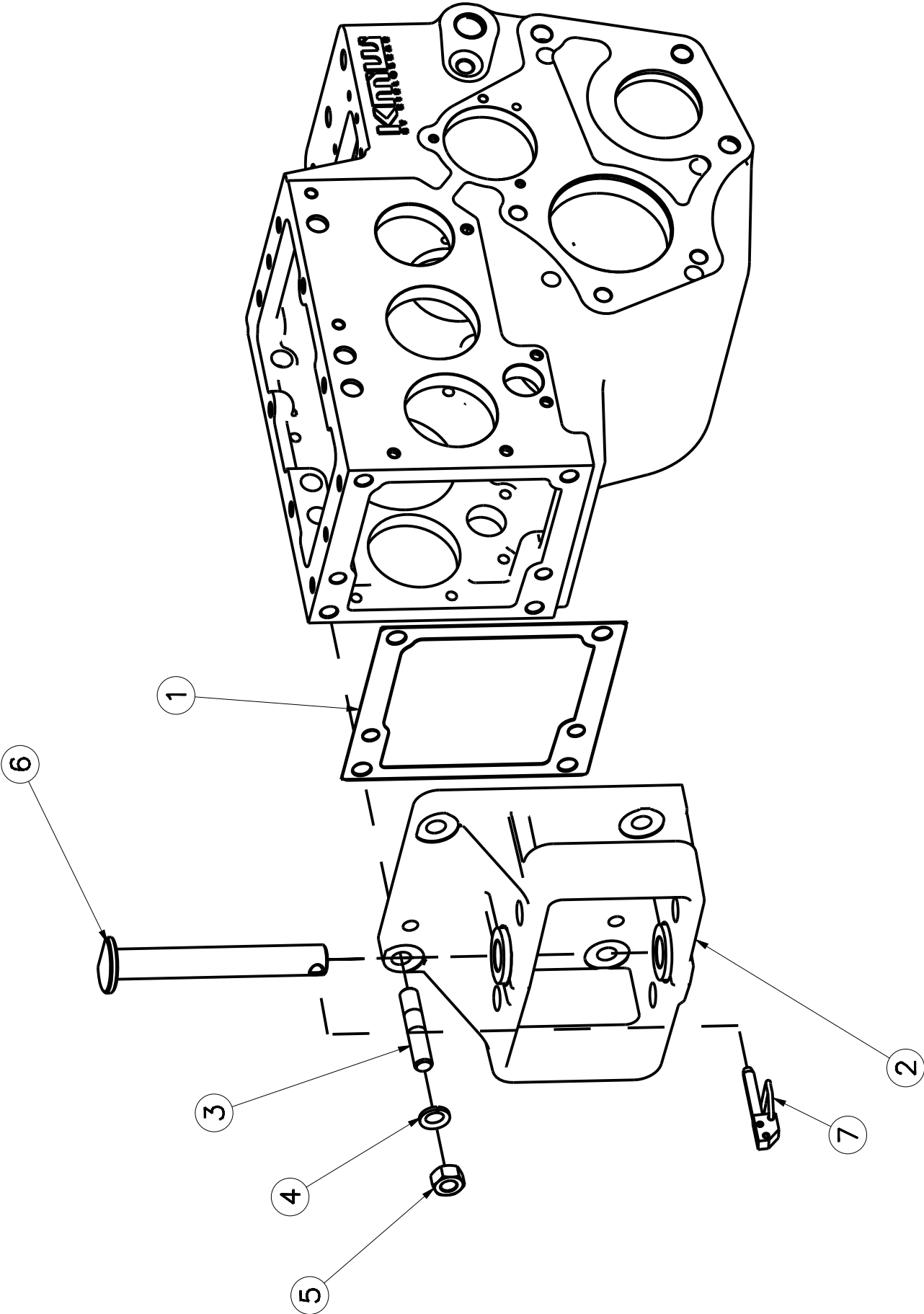
Sr. No.	Item	Description	Qty.
1	P15.2001.141.0.PR	HOUSING LEFT SUPPORTING, ROTOTILLER MUD SEAL	1
2	P15.2001.509.0.PR	MECHANICAL FACE SEAL	2
3	P15.2001.038.0.PR	FELT SEAL, 102X85X10	2
4	P15.2001.105.0.PR	ROTOTILLER SHAFT WITH OUT SPLINES	1
5	P15.2001.061.0.PR	BEARING 6308 C3	3
6	50.501.40.000.	CIRCLIP EXTERNAL - 40 MM	1
7	50.502.90.000.	CIRCLIP INTERNAL - 90 MM	2
8	P15.2001.035.0.PR	O RING - ROTOTILLER SUPPORT PLATE LH	1
9	P15.2001.081.0.PR	PAPER GASKET, FOR ROTO TILLER CAP	1
10	P15.2001.015.0.PR	COVER, ROTOTILLER MECHANICAL SEAL	1
11	50.505.08.000.	SPRING WASHER - M8	23
12	50.003.08.025.	SET SCREW - M8X1.25X25 - 8.8	6
13	P15.3503.142.0.PR	HOUSING ROTOTILLER TRANSMISSION CASE MUD SEAL	1
14	P15.3503.204.0.PR	SHAFT WITH SPLINE ROTOTILLER CHAIN HSG	1
15	P15.2001.109.0.PR	SPACER SPROCKET ROTOTILLER (7.5MM) EXCLUSIVELY FOR POWER TILLER	2
16	P15.3503.102.0.PR	DRIVEN SPROCKET, ROTOTILLER	1
17	50.501.38.000.	CIRCLIP EXTERNAL - 38 MM	2
18	P15.3503.101.0.PR	DRIVING SPROCKET, ROTOTILLER	1
19	P15.3503.071.0.PR	CHAIN ASSEMBLY ROTOTILLER	1
20	50.508.08.000.	COPPER WASHER- M10	2
21	P15.3503.003.0.PR	SPRING ROD	2
22	P15.3503.032.0.PR	SPRING, TENSIONER	1
23	P15.3503.006.0.PR	ROLLER TENSIONER ROTOTILLER	1
24	50.507.10.000.	PLAIN PUNCHED WASHER - M10	2
25	50.001.03.020.	SPLIT COTTER PIN - 2.5X20	2
26	50.006.10.000.	NUT - M10X1.5 - GR.8	24
27	P15.2001.082.0.PR	GASKET, FOR ROTO TILLER COVER	1
28	P15.3503.213.0.PR	COVER FOR ROTOTILLER HOUSING	1
29	50.507.08.000.	PLAIN PUNCHED WASHER - M8	5
30	50.003.06.016.	SET BOLT - M6X1X16 - 8.8	13
31	F6.024.47.0.00	O - RING FOR DRAIN PLUG	1
32	2H.035.02.0.00	PRECOATED DRAIN PLUG	1
33	P15.2001.052.0.PR	ALUMINIUM WASHER	1
34	P15.2001.051.0.PR	BREATHER BOLT	1
35	P15.2001.027.0.PR	GUARD PLATE, ROTOTILLER HOUSING	2
36	50.003.08.020.	SET SCREW - M8X1.25X20 - 8.8	4
37	P15.2001.129.0.PR	PROTECTING CAP ROTOTILLER EXCLUSIVELY FOR POWER TILLER	2
38	P15.2101.221.0.PR	ROTOR SHAFT SUGARCANE EXCLUSIVELY FOR POWER TILLER	1
39	P15.2001.175.0.PR	STUD FOR ROTOR SHAFT MTG	6
40	50.006.12.000.	NUT - M12	6
41	50.505.12.000.	SPRING WASHER - M12	12
42	57.002.10.030.	SET BOLT - M10X1.5X30 - 8.8 TRIVALENT PLATING	22
43	P15.2001.022.0.PR	BLADE TILLING, LEFT	11
44	P15.2001.023.0.PR	BLADE TILLING, RIGHT	11
45	57.506.06.000.	PLAIN MACHINED WASHER - M6 WITH TRIVALENT PLATING	13
46	57.505.10.000.	SPRING WASHER - M10 WITH TRIVALENT PLATING	22



SIDE GEAR HOUSING ASSEMBLY SPECIAL APPLICATION

Sr. No.	Item	Description	Qty.
1	P15.2001.051.0.PR	BREATHER BOLT EXCLUSIVELY FOR POWER TILLER	1
2	P15.2001.052.0.PR	ALUMINIUM WASHER EXCLUSIVELY FOR POWER TILLER	1
3	P15.1101.112.0.PR	BEARING HOUSING-PTO SHAFT EXCLUSIVELY FOR POWER TILLER	1
4	P17.1101.081.0.PR	PAPER GASKET BEARING SEAT UPPER END, GEAR TRANSCASE EXCLUSIVELY FOR POWER TILLER	1
5	P15.0901.062.0.PR	BEARING 6205 EXCLUSIVELY FOR POWER TILLER	2
6	P15.1101.131.0.PR	BUSH, CLUTCH / PTO SHAFT EXCLUSIVELY FOR POWER TILLER	1
7	P15.1103.332.0.PR	SHAFT CLUTCH PTO FOR POWER TILLER EXCLUSIVELY FOR POWER TILLER	1
8	P15.1101.061.0.PR	BEARING 6306 Z EXCLUSIVELY FOR POWER TILLER	1
9	P15.1101.007.0.PR	BUSH, LEVER,CLUTCH ACTUATION EXCLUSIVELY FOR POWER TILLER	1
10	P17.1101.003.0.PR	BEARING SEAT GEAR TRANSMISSION CASE EXCLUSIVELY FOR POWER TILLER	1
11	P15.1101.088.0.PR	OIL SEAL 25X40X7 EXCLUSIVELY FOR POWER TILLER	1
12	P15.1101.041.0.PR	COVER, SHAFT CLUTCH / PTO EXCLUSIVELY FOR POWER TILLER	1
13	P17.1101.005.0.PR	COVER PUMP IN CASTING EXCLUSIVELY FOR POWER TILLER	1
14	P15.1101.083.0.PR	PAPER GASKET, CHAIN TRANSCASE EXCLUSIVELY FOR POWER TILLER	1
15	P15.1101.024.0.PR	CLUTCH ACTUATING LEVER EXCLUSIVELY FOR POWER TILLER	1
16	P15.1101.062.0.PR	CLUTCH RELEASE BEARING EXCLUSIVELY FOR POWER TILLER	1
17	P15.1101.085.0.PR	O-RING SEAL 16X2.4 EXCLUSIVELY FOR POWER TILLER	2
18	P17.1101.001.0.PR	HOUSING GEAR TRANSMISSION EXCLUSIVELY FOR POWER TILLER	1
19	P17.1101.052.0.PR	COPPER WASHER IDLER EXCLUSIVELY FOR POWER TILLER	4
20	P17.1101.304.0.PR	SHAFT IDLER EXCLUSIVELY FOR POWER TILLER	2
21	P17.1401.050.0.PR	LOCK PLATE BRAKE SHAFT EXCLUSIVELY FOR POWER TILLER	1
22	P17.1101.301.0.PR	GEAR PTO SHAFT EXCLUSIVELY FOR POWER TILLER	1
23	P17.1101.302.0.PR	GEAR IDLER Z-27 EXCLUSIVELY FOR POWER TILLER	2
24	P17.1101.303.0.PR	GEAR IDLER Z-17 EXCLUSIVELY FOR POWER TILLER	1
25	P17.1101.082.0.PR	GASKET GEAR TRANSMISSION COVER EXCLUSIVELY FOR POWER TILLER	1
26	P17.1101.090.0.PR	GASKET PUMP EXCLUSIVELY FOR POWER TILLER	1
27	P17.1101.065.0.PR	NEEDLE ROLLER & CAGE ASSEMBLY EXCLUSIVELY FOR POWER TILLER	2
28	P17.1101.004.0.PR	COVER GEAR HOUSING	1
29	P17.1101.223.0.PR	BRAKE SHAFT EXCLUSIVELY FOR POWER TILLER	1
30	50.401.08.016.	DOWEL PIN	2
31	P17.1101.401.0.PR	SPRING PIN EXCLUSIVELY FOR POWER TILLER	2
32	57.003.08.025.	SET SCREW - M8X1.25X25 - 8.8 WITH TRIVALENT PLATING	8
33	57.003.10.030.	SET SCREW - M10X1.5X30 - 8.8 WITH TRIVALENT PLATING	2
34	57.003.08.020.	SET SCREW - M8X1.25X20 - 8.8 WITH TRIVALENT PLATING	3
35	57.003.08.030.	SET SCREW - M8X1.25X30 - 8.8 WITH TRIVALENT PLATING	7
36	57.505.08.000.	SPRING WASHER - M8 PLATED	17
37	57.505.10.000.	SPRING WASHER - M10 WITH TRIVALENT PLATING	2
38	57.003.06.020.	SET SCREW - M6X1X20 - 8.8 WITH TRIVALENT PLATING	6
39	57.505.06.000.	SPRING WASHER - M6 WITH TRIVALENT PLATING	1
40	57.506.08.000.	PLAIN MACHINED WASHER - M8 WITH TRIVALENT PLATING	7
41	57.507.08.000.	PLAIN PUNCHED WASHER - M8	2
42	P17.1101.066.0.PR	BALL BEARING 6006 EXCLUSIVELY FOR POWER TILLER	2
43	57.003.06.010.	SET SCREW - M6X1X10 - 8.8 WITH TRIVALENT PLATING	4
44	P15.1101.081.0.PR	PAPER GASKET BEARING SEAT UPPER END, CHAIN T'CASE EXCLUSIVELY FOR POWER TILLER	1
45	P17.0902.103.0.PR	GEAR, DRIVING MAIN SHAFT P17 EXCLUSIVELY FOR POWER TILLER	1
46	P17.1401.033.0.PR	CONNECTING LEVER BRAKE SHAFT-P17 EXCLUSIVELY FOR POWER TILLER	1

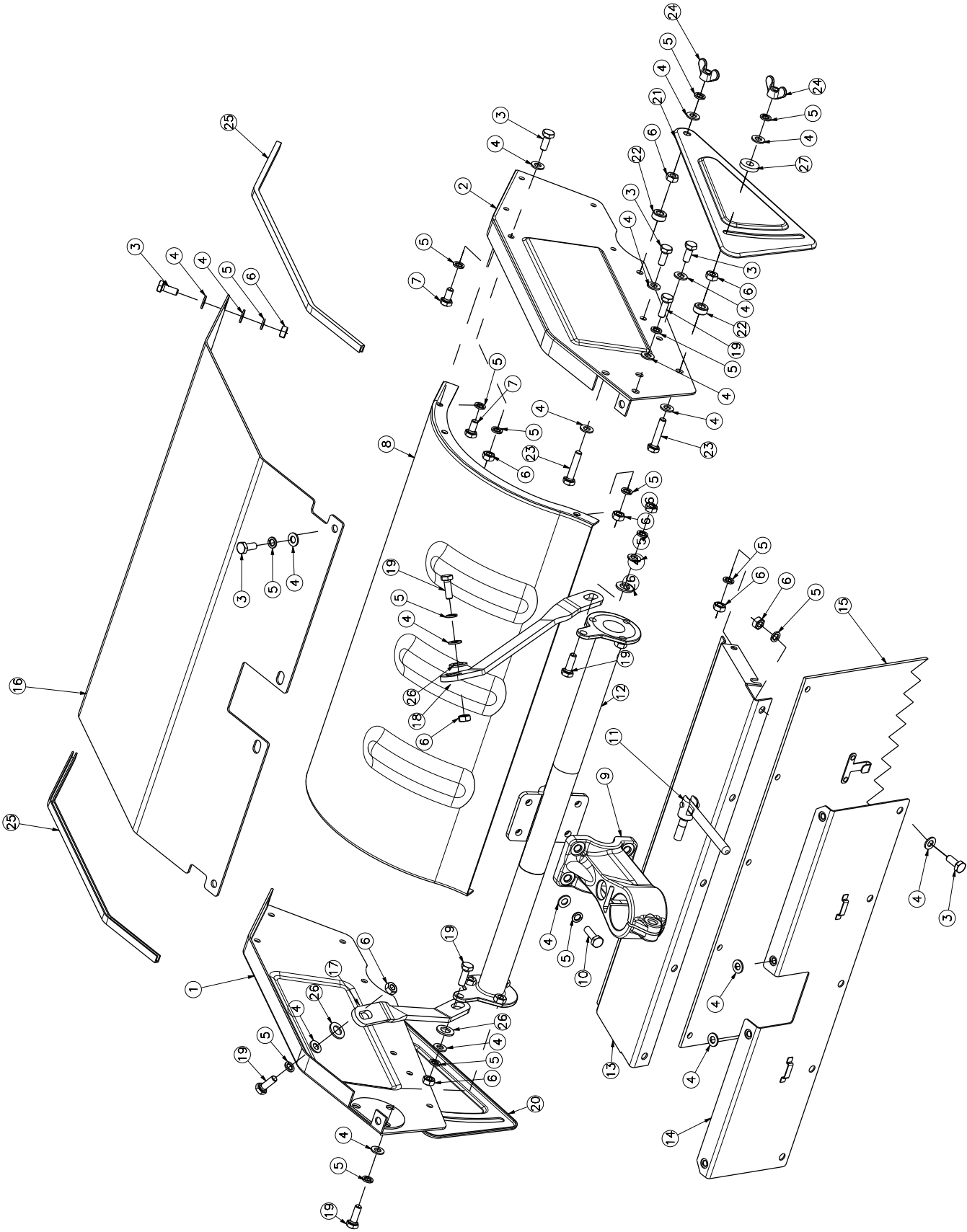
HITCH ASSEMBLY (REAR TOE HOOK)



HITCH ASSEMBLY (REAR TOE HOOK)

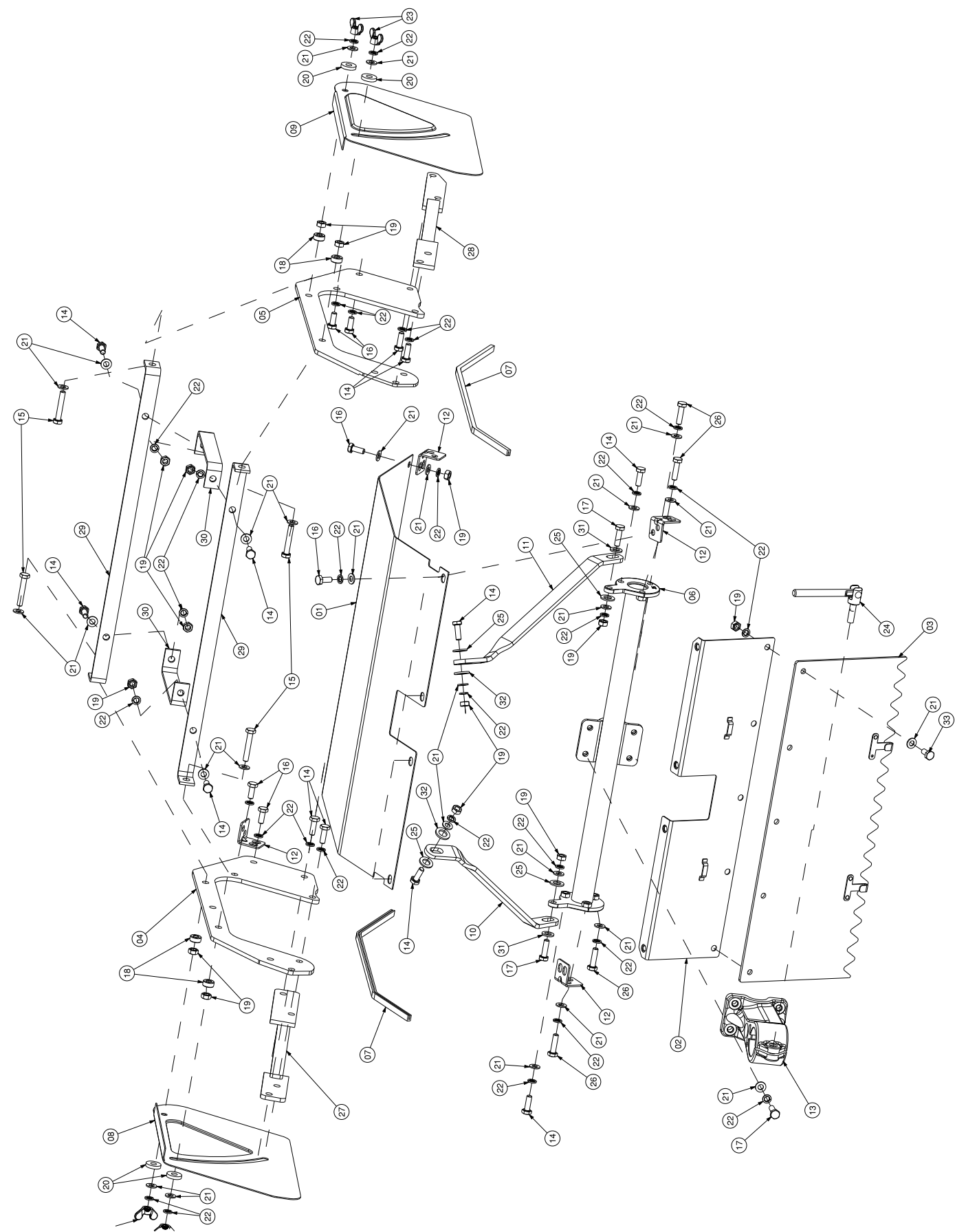
Sr. No.	Item	Description	Qty.
1	P15.0901.083.0.PR	PAPER GASKET REAR FACE, MAIN GEAR BOX EXCLUSIVELY FOR POWER TILLER	1
2	P15.0901.554.0.PR	HITCH EXCLUSIVELY FOR POWER TILLER	1
3	57.010.12.045.	STUD - M 12X1.75X45- 8.8	4
4	57.505.12.000.	SPRING WASHER - M12 WITH TRIVALENT PLATING	4
5	57.006.12.000.	NUT- M12X1.75- GR.8 WITH TRIVALENT PLATING	4
*6	P15.0901.154.0.PR	PIN HITCH EXCLUSIVELY FOR POWER TILLER	1
*7	50.001.06.045	SPLIT COTTER PIN 5 x 45	1
		* PART TO BE ORDERED SEPERATELY AS SPARES	

ROTOTILLER COVER ASSEMBLY



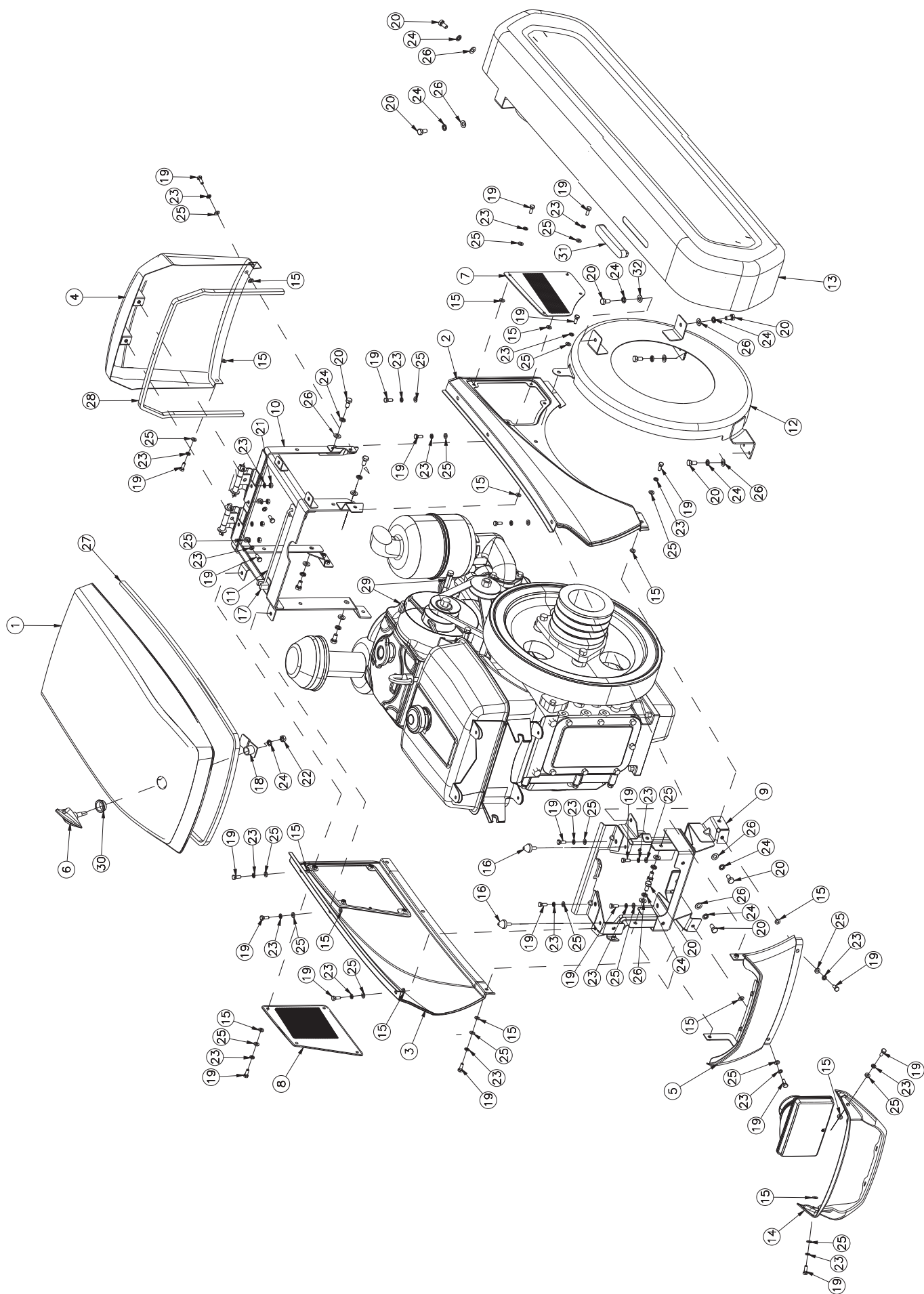
ROTOTILLER COVER ASSEMBLY

Sr. No.	Item	Description	Qty.
1	P15.2101.103.0.PR	SIDE COVER PLATE LH, ROTOTILLER	1
2	P15.2101.104.0.PR	SIDE COVER PLATE RH, ROTOTILLER	1
3	57.003.10.025.	SET SCREW - M10X1.5X25 - 8.8	17
4	57.507.10.000.	PLAIN PUNCHED WASHER -M10 WITH TRIVALENT PLATING	45
5	57.505.10.000.	SPRING WASHER - M10	43
6	57.006.10.000.	NUT - M10X1.5 - GR.8	25
7	57.003.10.020.	SET SCREW - M10X1.5X20 - 8.8	8
8	P15.2101.102.0.PR	LOWER COVER PLATE, ROTOTILLER	1
9	P15.2101.043.0.PR	PLUMMER BLOCK	1
10	57.003.10.035.	HEX HEAD SET SCREW M10x1.5x35	4
11	P15.2101.011.0.PR	CLAMPING HANDLE ASSLY	1
12	P15.2101.117.0.PR	BRACKET SUPPORT ASSLY	1
13	P15.2101.105.0.PR	LOWER REAR COVER	1
14	P15.2101.106.0.PR	REAR COVER PLATE	1
15	P15.2101.023.0.PR	RUBBER FENDER PLATE ASSEMBLY	1
16	P15.2101.101.0.PR	UPPER COVER PLATE	1
17	P15.2101.113.0.PR	SUPPORT PLATE LH, ROTOTILLER COVER EXCLUSIVELY FOR POWER TILLER	1
18	P15.2101.114.0.PR	SUPPORT PLATE RH, ROTOTILLER COVER EXCLUSIVELY FOR POWER TILLER	1
19	57.003.10.030	SET SCREW - M10 x1.5x30 - 8.8	10
20	P15.2101.007.0.PR	SIDE COVER PLATE LH	1
21	P15.2101.008.0.PR	SIDE COVER PLATE RH	1
22	P15.2101.019.0.PR	SPACER, SIDE COVER PLATE	4
23	57.003.10.050.	SET SCREW - M10x1.5x50 - 8.8	4
24	P15.2101.528.0.PR	WING NUT M10x1.5 EXCLUSIVELY FOR POWER TILLER	4
25	P15.2101.024.0.PR	BEADING, UPPER COVER PLATE ROTOTILLER	2
26	57.507.14.000	PLAIN PUNCHED WASHER - M14 WITH TRIVALENT PLATING	4
27	P15.2101.021.0.PR	RUBBER WASHER	2



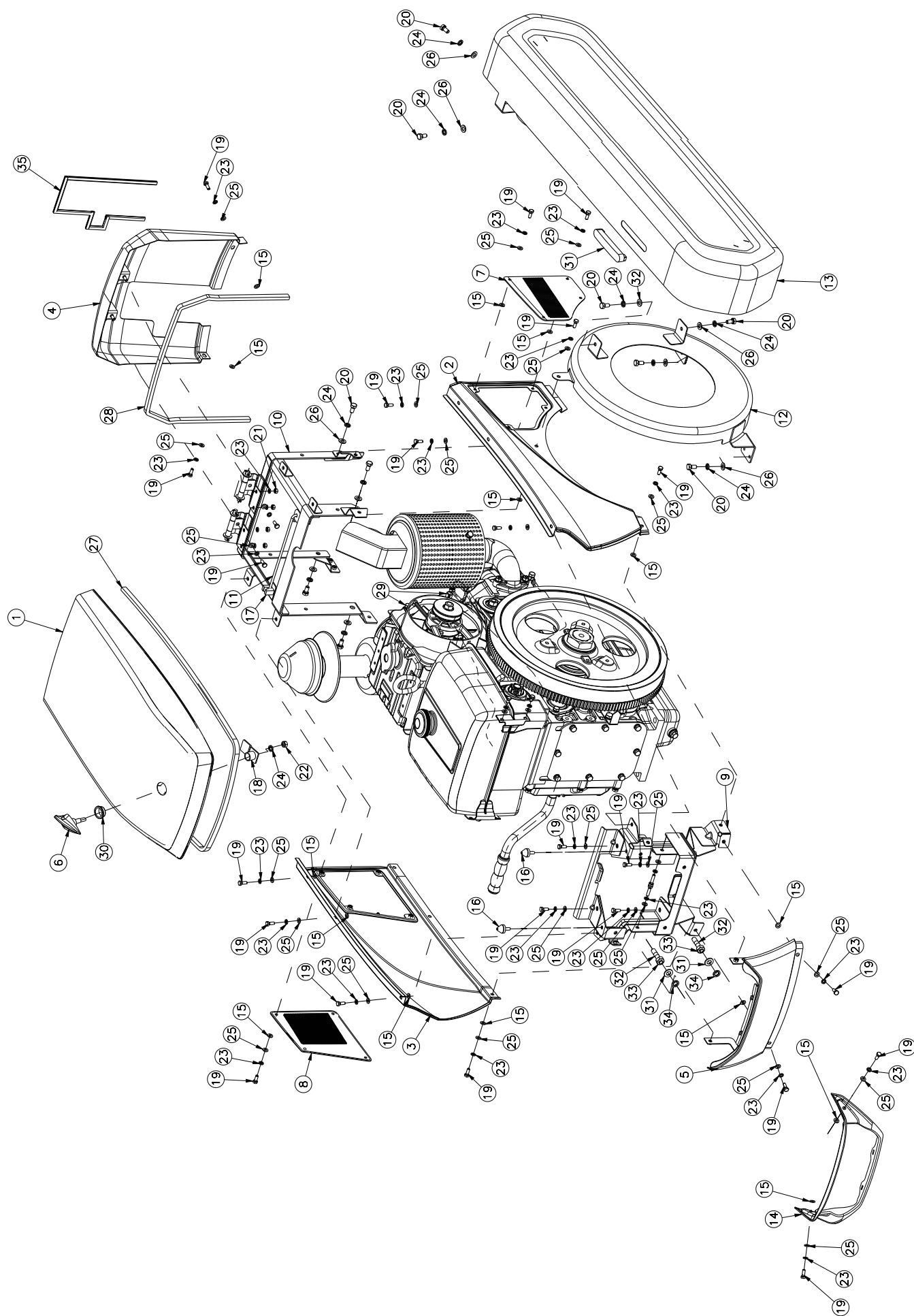
ROTOTILLER COVER ASSEMBLY SCC & DLX

Sr. No.	Item	Description	MEGA T 15 Qty.	MEGA T 12 Qty.
1	P15.3504.101.0.PR	UPPER COVER PLATE	1	1
2	P15.3504.106.0.PR	REAR COVER PLATE	1	1
3	P15.2101.023.0.PR	RUBBER FENDER PLATE ASSEMBLY	1	1
4	P15.2101.055.0.PR	BRACE PLATE LH KTK	1	1
5	P15.2101.056.0.PR	BRACE PLATE RH KTK	1	1
6	P15.3504.117.0.PR	BRACKET SUPPORT ASSLY	1	1
7	P15.2101.024.0.PR	BEADING, UPPER COVER PLATE ROTOTILLER	2	2
8	P15.3504.007.0.PR	SIDE COVER PLATE_LH	1	1
9	P15.3504.008.0.PR	SIDE COVER PLATE_RH	1	1
10	P15.2101.113.0.PR	SUPPORT ROD _ LH	1	1
11	P15.2101.114.0.PR	SUPPORT ROD _ RH	1	1
12	P15.3504.108.0.PR	L TYPE BRACKET	4	4
13	P15.2101.043.0.PR	PLUMMER BLOCK	1	1
14	57.003.10.030.	SET SCREW - M10x1.5x30 - 8.8	12	12
15	57.003.10.060.	SET SCREW - M10x1.5x60 - 8.8	4	4
16	57.003.10.025.	SET SCREW - M10x1.5x25 - 8.8	10	10
17	57.003.10.035.	M10x1.5x35 HEX HEAD SET SCREW	6	6
18	P15.2101.019.0.PR	SPACER, SIDE COVER PLATE	4	4
19	57.006.10.000	NUT - M10x1.5 - GR.8	19	19
20	P15.2101.021.0.PR	RUBBER WASHER	4	4
21	57.507.10.000	PLAIN MACHINED WASHER - M10	41	41
22	57.505.10.000	SPRING WASHER - M10	43	43
23	P15.2101.528.0.PR	WING NUT M10x1.5 EXCL. FOR POWER TILLER	4	4
24	P15.2101.011.0.PR	CLAMPING HANDLE ASSEMBLY	1	1
25	57.507.14.0.00	PLAIN PUNCHED WASHER - M14 WITH TRIVALENT PLATING	4	4
26	57.003.10.038	SET SCREW - M10x1.5x38 - 8.8	4	4
27	P15.3504.112.0.PR	SUPPORT PLATE ASSEMBLY LH EXCLUSIVELY FOR POWER TILLER	1	1
28	P15.3504.113.0.PR	SUPPORT PLATE ASSEMBLY RH EXCLUSIVELY FOR POWER TILLER	1	1
29	P15.3504.114.0.PR	SUPPORT CROSS PLATE EXCUSIVELY. FOR POWER TILLER	2	2
30	P15.3504.116.0.PR	SUPPORT CROSS REINFORCEMENT EXCLUSIVELY FOR POWER TILLER	2	2
31	57.507.12.000	PLAIN PUNCHED WASHER- M12 WITH TRIVALENT PLATING	2	2
32	57.507.16.000	PLAIN PUNCHED WASHER -M16 WITH TRIVALENT PLATING	2	2
33	57.003.10.020.	SET SCREW - M10x1.5x20 - 8.8 WITH TRIVALENT PLATING	5	5



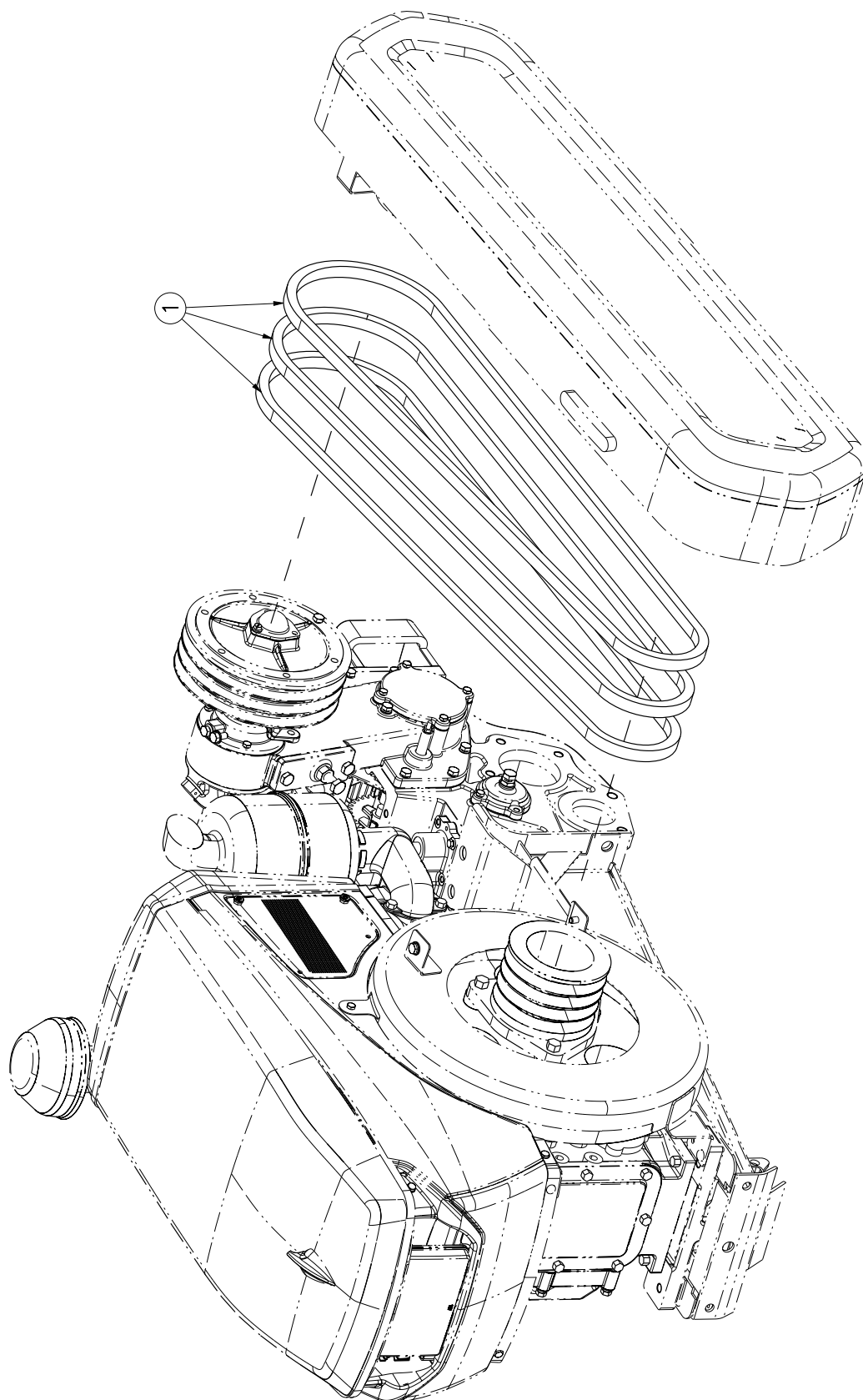
SHEETMETAL ASSEMBLY

Sr. No.	Item	Description	Qty.
1	P15.2301.001.0.PR	BONNET TOP ASSLY	1
2	P15.2301.002.0.PR	BONNET SIDE PANEL LH	1
3	P15.2301.003.0.PR	BONNET SIDE PANEL RH	1
4	P15.2301.004.0.PR	BONNET REAR PANEL	1
5	P15.2301.005.0.PR	BONNET FRONT PANEL	1
6	P15.2301.006.0.PR	ASY_LATCH_PLATE	1
7	P15.2301.016.0.PR	GRILLMESH LH	1
8	P15.2301.017.0.PR	GRILLMESH RH	1
9	P15.2301.021.0.PR	FRONT MTG BKT ASSLY	1
10	P15.2301.022.0.PR	REAR MTG BKT ASSLY	1
11	P15.2301.024.0.PR	BONNET STAY BAR	1
12	P15.2301.031.0.PR	FLYWHEEL COVER	1
13	P15.2301.036.0.PR	CLUTCH PULLEY COVER	1
14	P15.2301.051.0.PR	BEZEL HEAD LAMP	1
15	P15.2301.052.0.PR	RUBBER ISOLATER	25
16	P15.2301.053.0.PR	STOPPER FOR BONNET	2
17	P15.2301.054.0.PR	HOLDER STAY ROD	1
18	P15.2302.241.0.PR	LATCH PLATE ASSEMBLY	1
19	57.003.06.016.	SET SCREW - M6X1X16 - 8.8	33
20	57.003.08.020.	SET SCREW - M8x1.25x20 - 8.8 WITH TRIVALENT PLATING	10
21	57.006.06.000.	NUT - M6X1 - GR.8	4
22	50.037.08.000.	SELF LOCKING NYLOC NUT - M8	1
23	57.505.06.000.	SPRING WASHER - M6	30
24	57.505.08.000.	SPRING WASHER - M8	17
25	57.507.06.000.	PLAIN PUNCHED WASHER - M6	33
26	57.507.08.000.	PLAIN PUNCHED WASHER - M8	15
27	P15.2301.055.0.PR	BEADING, TOP PANEL	1
28	P15.2301.056.0.PR	BEADING, REAR PANEL	1
29	P15.2301.091.0.PR	SPACER FOR REAR BRACKET ASSLY	2
30	P15.2301.057.0.PR	RUBBER GROMMET	1
31	57.507.10.000	PLAIN PUNCHED WASHER - M10 WITH TRIVALENT PLATING	4



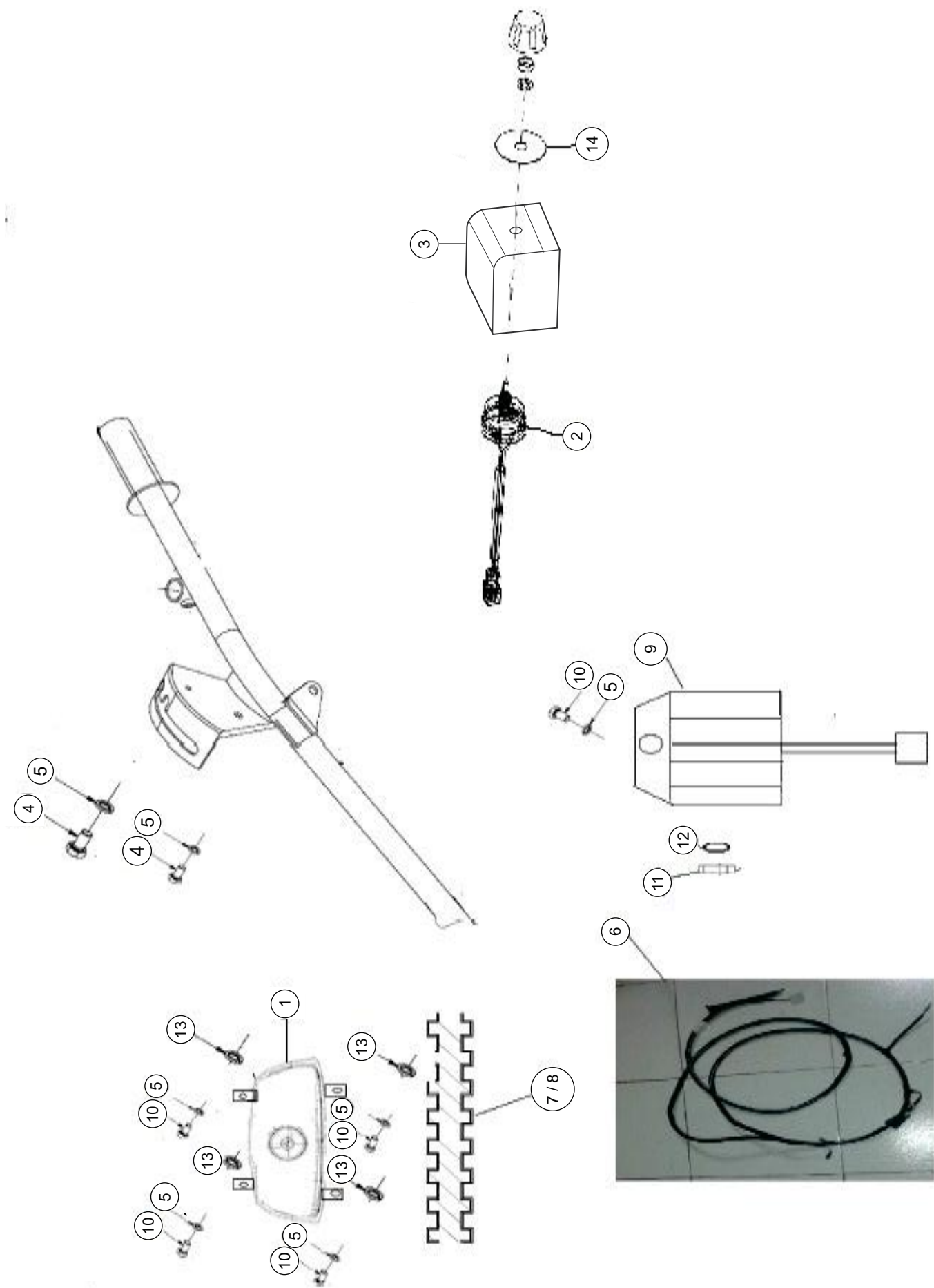
SHEETMETAL ASSEMBLY MEGA T 15 DLX

Sr. No.	Item	Description	Qty.
1	P15.2301.001.0.PR	BONNET TOP ASSEMBLY	1
2	P15.2301.002.0.PR	BONNET SIDE PANEL LH	1
3	P15.2301.003.0.PR	BONNET SIDE PANEL RH	1
4	P15.2301.104.0.PR	ASSEMBLY REAR PANEL	1
5	P15.2301.005.0.PR	BONNET FRONT PANEL	1
6	P15.2301.006.0.PR	ASY_LATCH_PLATE	1
7	P15.2301.016.0.PR	GRILLMESH LH	1
8	P15.2301.017.0.PR	GRILLMESH RH	1
9	P15.2301.021.0.PR	FRONT MTG BKT ASSLY	1
10	P15.2301.022.0.PR	REAR MTG BKT ASSLY	1
11	P15.2301.024.0.PR	BONNET STAY BAR	1
12	P15.2301.031.0.PR	FLYWHEEL COVER	1
13	P15.2301.036.0.PR	CLUTCH PULLEY COVER	1
14	P15.2301.051.0.PR	BEZEL HEAD LAMP	1
15	P15.2301.052.0.PR	RUBBER ISOLATER	25
16	P15.2301.053.0.PR	STOPPER FOR BONNET	2
17	P15.2301.054.0.PR	HOLDER STAY ROD	1
18	P15.2302.241.0.PR	LATCH PLATE ASSEMBLY	1
19	57.003.06.016.	SET SCREW-M6X1X16-8.8	33
20	57.003.08.020.	SET SCREW - M8x1.25x20 - 8.8 WITH TRIVALENT PLATING	8
21	57.006.06.000.	NUT - M6X1 - GR.8	4
22	57.006.08.0.00	NUT - M8x1.25 - GR.8 WITH TRIVALENT PLATING	2
23	57.505.06.000.	SPRING WASHER-M6	36
24	57.505.08.000.	SPRING WASHER-M8	15
25	57.507.06.000.	PLAIN PUNCHED WASHER M6	39
26	50.507.08.000	PLAIN PUNCHED WASHER - M8	17
27	P15.2301.055.0.PR	BEADING; TOP PANEL	1
28	P15.2301.056.0.PR	BEADING; REAR PANEL	1
29	P15.2301.091.0.PR	SPACER FOR REAR BRACKET ASSLY	2
30	P15.2301.057.0.PR	RUBBER GROMET	1
31	57.507.10.000	PLAIN PUNCHED WASHER - M10	5
32	57.010.10.035	STUD - M10x1.5x35 - 8.8	2
33	57.006.10.000	NUT - M10x1.5 - GR.8	2
34	57.505.10.000	SPRING WASHER - M10	2
35	P15.2301.156.0.PR	BEADING FOR REAR PANEL	1



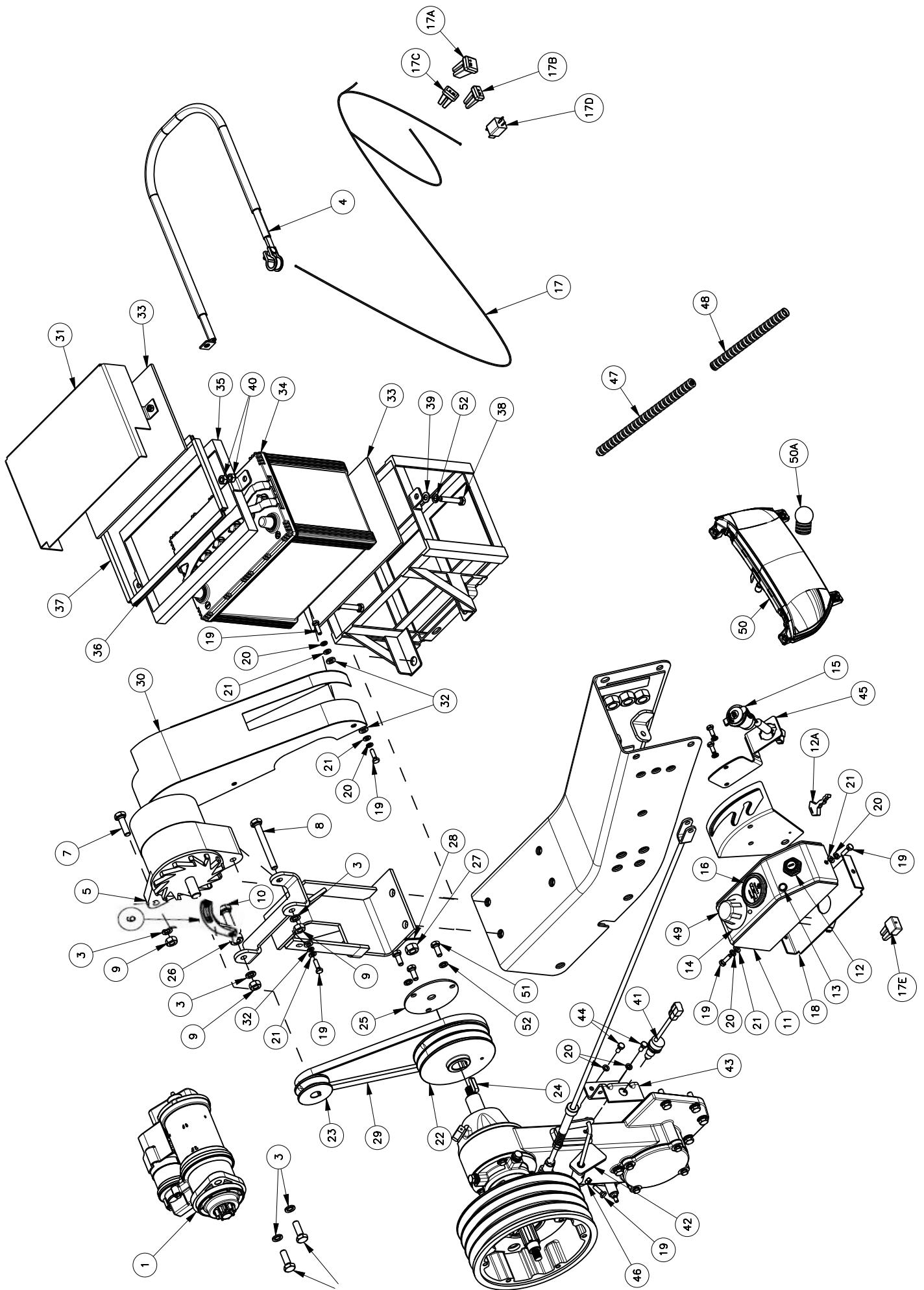
V- BELTS

Sr. No.	Item	Description	Qty.
1	P15.0101.001.0.PR	RAWEDGE WRAPPED V-BELT	3



ELECTRICAL SYSTEM

Sr. No.	Item	Description	Qty.
1	P15.2201.001.0.PR	HEAD LAMP	1
*	P15.2201.606.0.PR	BULB - HEAD LAMP	1
2	P15.2201.074.0.PR	LIGHT SWITCH	1
3	P15.2201.172.0.PR	LIGHT SWITCH BOX	1
4	57.003.06.016	SET SCREW-M6X1X16	2
5	57.505.06.000.	SPRING WASHER M6	7
6	P15.2201.058.0.PR	WIRING HARNESS	1
7	P15.2201.086.0.PR	CORRUGATED TUBE-1	2
8	P5.2201.087.0.PR	CORRUGATED TUBE-2	1
9	P15.2201.100.0.PR	REGULATOR ASSEMBLY	1
10	57.003.06.025	SET SCREW-M6X1X25-8.8	5
11	57.006.06.000	NUT- M6X1-GR.8	1
12	57.507.06.000	PLAIN PUNCHED WASHER-M6	1
13	P15.2301.052.0.PR	RUBBER ISOLATOR	4
14	P15.2201.091.0.PR	INDICATOR PLATE	1



ELECTRICAL SYSTEM - MEGA T-15 DLX

Sr. No.	Item	Description	Qty.
1	P15.2201.505.0.PR	STARTER MOTOR	1
2	57.003.10.030.	SET SCREW - M10x1.5x30 - 8.8 WITH TRIVALENT PLATING	2
3	57.505.10.000.	SPRING WASHER-M10 WITH TRIVALENT PLATING	5
4	P15.2201.555.0.PR	BATTERY POSITIVE CABLE	1
5	46.390.01.0.00	ALT.(AUTOLEK,12V,35A)	1
6	P15.2201.163.0.PR	TENSIONER PLATE_ALTERNATOR EXCLUSIVELY FOR POWER TILLER	1
7	57.003.10.035.	SET SCREW - M10X1.5X35 - 8.8 WITH TRIVALENT PLATING	1
8	57.002.10.085.	SET BOLT - M10x1.5x85 - 8.8 TRIVALENT PLATING	1
9	57.006.10.000.	NUT M10X1.5 - GR.8 WITH TRIVALENT PLATING	3
10	57.003.10.0.40.	SET SCREW - M10x1.5x40 - 8.8 WITH TRIVALENT PLATING	1
11	P15.2201.598.0.PR	CONSOLE	1
12	P15.2201.500.0.PR	IGNITION SWITCH WITH KEY	1
12A	P15.2201.501.0.PR	KEY FOR IGNITION SWITCH	1
13	P15.2201.504.0.PR	BATTERY CHARGING INDICATOR LAMP	1
14	P15.2201.091.0.PR	INDICATOR PLATE	1
15	P15.2201.561.0.PR	SOCKET FOR MOBILE CHARGER	1
16	P15.2201.092.0.PR	ROUND BEZEL HOUR METER	1
17	P15.2201.558.0.PR	WIRING HARNESS FOR DLX MODEL	1
17A	P15.2201.601.0.PR	FUSE MAXI 40A	1
17B	P15.2201.602.0.PR	FUSE MINI 10A-Blade type	1
17C	P15.2201.603.0.PR	FUSE MINI 30A-Blade type	1
17D	P15.2201.604.0.PR	RELAY 12V/70AMP	1
17E	P15.2201.605.0.PR	FUSE MINI 5A-Blade type	1
18	P15.2201.596.0.PR	BOTTOM PLATE FOR CONSOLE 1	1
19	57.003.06.020.	SET SCREW - M6x1x20 - 8.8 WITH TRIVALENT PLATING	6
20	57.505.06.000.	SPRING WASHER - M6 WITH TRIVALENT PLATING	3
21	57.507.06.000.	PLAIN PUNCHED WASHER - M6 WITH TRIVALENT PLATING	7
22	P15.3101.033.0.PR	DOUBLE GROOVE DRIVING PULLEY 1	1
23	P15.2201.065.0.PR	DRIVEN PULLEY_ALTERNATOR 1	1
24	50.402.08.028	PARALLEL KEY	1
25	P15.3101.083.0.PR	RETAINER PLATE	1
26	P15.2101.019.0.PR	SPACER	1
27	P15.3101.147.0.PR	NUT M12X1.75 LH	1
28	57.001.03.025	SPLIT PIN-2.5X25	1
29	P15.2201.066.0.PR	RAWEDGE COGGED V BELT	1
30	P15.2201.559.0.PR	COVER FOR PTO_ALTERNATOR PULLEY	1
31	P15.2201.578.0.PR	TOP COVER FOR BATTERY	1
32	P15.2301.052.0.PR	RUBBER ISOLATOR	3
33	P15.2201.588.0.PR	BATTERY MOUNTING RUBBER PAD	2
34	P15.2201.556.0.PR	BATTERY FOR DLX MODEL	1
35	P15.2201.577.0.PR	BATTERY MOUNTING CLAMP	1
36	P15.2201.544.0.PR	BEADING-1 FOR BATTERY MTG CLAMP	2
37	P15.2201.545.0.PR	BEADING-2 FOR BATTERY MTG CLAMP	2
38	57.003.08.045.	SET SCREW - M8X1.25X45 - 8.8	2
39	50.507.08.000.	PLAIN PUNCHED - M8	2
40	57.006.08.000.	NUT - M8x1.25 - GR.8 WITH TRIVALENT PLATING	4
41	P15.2201.075.0.PR	SAFETY NEUTRAL/REVERSE SWITCH	1
42	P15.2201.562.0.PR	ACTUATOR FOR SAFETY NEUTRAL SWITCH	1
43	P15.2201.597.0.PR	BRACKET FOR NEUTRAL SAFETY SWITCH	1
44	57.003.06.014.	SET SCREW - M6X1X14 - 8.8	2
45	P15.2201.541.0.PR	BRACKET FOR MOBILE CHARGER SOCKET	1
46	57.006.06.000.	NUT - M6x1 - GR.8 WITH TRIVALENT PLATING	2
47	P15.2201.086.0.PR	CORRUGATED TUBE-1	2
48	P15.2201.087.0.PR	CORRUGATED TUBE-2	1
49	P15.2201.074.0.PR	LIGHT SWITCH	1
50	P15.2201.001.0.PR	HEADLAMP	1
50A	P15.2201.606.0.PR	BULB 12V-35/35WATT	1
51	57.003.08.020.	SET SCREW - M8x1.25x20-8.8 WITH TRIVALENT PLATING	4
52	57.505.08.000.	SPRING WASHER-M8	4

1st Free Service (50 hrs. or 1 month)	MEGA T 1st FREE SERVICE COUPON (50 hrs. or 1 month from Date Of Sale which ever is earlier)		Coupon No. :
Date of Service :	Model	Date of Sale	Dealer Code
Chassis No. :	Engine No.	Date of Service	Vendor Code
No. of working hours :	Chassis No.	Next Service Due Date	
Dlr. Stamp & Sign. :	Owner's Name:	Signature	Dealer's Seal & Signature
	Technician's Name:	Signature	



2nd Free Service (150 hrs. or 5 months)	MEGA T 2nd FREE SERVICE COUPON (150 hrs. or 5 months from Date Of Sale which ever is earlier)		Coupon No. :
Date of Service :	Model	Date Of Sale	Dealer Code
Chassis No. :	Engine No.	Date Of Service	Vendor Code
No. of working hours :	Chassis No.	Next Service Due Date	
Dlr. Stamp & Sign. :	Owner's Name:	Signature	Dealer's Seal & Signature
	Technician's Name:	Signature	



3rd Free Service (300 hrs. or 10 months)	MEGA T 3rd FREE SERVICE COUPON (300 hrs. or 10 months from Date Of Sale which ever is earlier)		Coupon No. :
Date of Service :	Model	Date Of Sale	Dealer Code
Chassis No. :	Engine No.	Date Of Service	Vendor Code
No. of working hours :	Chassis No.	Next Service Due Date	
Dlr. Stamp & Sign. :	Owner's Name:	Signature	Dealer's Seal & Signature
	Technician's Name:	Signature	

Check List For 1st Free Service				
Sr. No.	Engine	Mark	Supportive Aggregates	Mark
1	Warm up water in radiator by running the engine. Stop the engine, drain water completely. If dirty, clean radiator with fresh water, refill radiator with clean, soft water, Add radiator inhibitor (for water cooled engine).		Clean the Externals of the Mega T	
2	Clean crank case after running the engine 5 -10 minutes, clean oil screen assembly.		Adjust the Side clutch	
3	Clean air cleaner and filtering element. Change oil.		Adjust the Main clutch	
4	Grease tension pulley.		Adjust the Brake	
5	Lubricate all moving parts.		Adjust the V-belt tension	
6	Check cylinder head nuts. Tighten the nut to the recommended torque.		Adjust the Stand movement	
7	Check and tighten all nuts and bolts to the recommended torque.		Lubricate Shift lever, side clutch lever cables, throttle cables decompression cable etc.	
8	Adjust radiator fan belt to the recommended deflection (for water cooled engines).		Fill the grease in Tail wheel, bearings, rotary shaft bearings case cover etc.	
9	Clean fuel filter element, change it if necessary.		Tighten the rotary Tyne Nuts and Bolts	
10	Clean oil pressure indicator, if necessary.		Tighten the Chassis stud and bolts	
11	Adjust valve clearance as recommended.		Tighten the Rotary connecting case bolts as per torque specification	
12	Inspect electrical system.		Tighten the Wheel Nuts	



Check List For 2nd Free Service				
Sr.	Engine	Mark	Supportive Aggregates	Mark
1	Warm up water in radiator (for water cooled engine only) by running the engine, Stop the engine, drain water completely. If dirty, clean radiator with fresh water, refill radiator with clean, soft water. Add radiator inhibitor. (for water cooled engine).		Clean the Externals of the Mega T	
2	Clean crank case after running the engine 5 -10 minutes and change engine oil, clean oil screen assembly.		Adjust the Side clutch	
3	Clean air cleaner and filtering element. Change oil.		Adjust the Main clutch	
4	Grease tension pulley.		Adjust the Brake	
5	Oil to the arm shafts, cam lever, etc.		Adjust the V-belt tension	
6	Check cylinder head nuts. Tighten the nuts to the recommended torque.		Adjust the Stand movement	
7	Check and tighten all nuts and bolts to the recommended torque.		lubricate Shift lever, side clutch lever cables, throttle cables decompression cable etc.	
8	Lubricate all moving parts.		Fill the grease in Tail wheel, bearings, rotary shaft bearings case cover etc.	
9	Adjust radiator fan belt to the recommended deflection (for water cooled engines).		Tighten the rotary Tyne Nuts and Bolts	
10	Change fuel filter element.		Tighten the Chassis stud and bolts	
11	Clean oil pressure indicator, if necessary.		Tighten the Rotary connecting case bolts as per torque specification	
12	Adjust valve clearance as recommended.		Tighten the Wheel Nuts	
13	Inspect electrical system.		Drain, flush and fill Transmission case oil with recommended grade	
14	Check engine nozzle pressure and fuel injection timing.		Drain, flush and fill Rotary Chain case oil with recommended grade	
15	Set engine speed at no load.		Adjust rotary chain tension	
16	Start engine and follow.		Check and tighten all the external bolts, nuts and screws.	



Check List For 3rd Free Service				
Sr.	Engine	Mark	Supportive Aggregates	Mark
1	Warm up water in radiator (for water cooled engine only) by running the engine. Stop the engine, drain water completely. If dirty, clean radiator with fresh water, refill radiator with clean, soft water. Add radiator inhibitor (for water cooled engine).		Clean the Externals of the Mega T	
2	Clean crank case after running the engine 5 -10 minutes and change engine oil, clean oil screen assembly.		Adjust the Side clutch	
3	Clean air cleaner and filtering element. Change oil.		Adjust the Main clutch	
4	Grease tension pulley.		Adjust the Brake	
5	Oil to the arm shafts, cam lever, etc.		Adjust the V-belt tension	
6	Check cylinder head nuts. Tighten the nuts to the recommended torque.		Adjust the Stand movement	
7	Check and tighten all nuts and bolts to the recommended torque.		Lubricate Shift lever, side clutch lever cables, throttle cables decompression cable etc.	
8	Lubricate all moving parts.		Fill the grease in Tail wheel, bearings, rotary shaft bearings case cover etc.	
9	Adjust radiator fan belt to the recommended deflection (for water cooled engines).		Tighten the rotary Tyne Nuts and Bolts	
10	Check and adjust injector pressure to the recommended pressure.		Tighten the Chassis stud and bolts	
11	Check and tighten engine foundation		Tighten the Rotary connecting case bolts as per torque specification	
12	Change fuel filter element.		Tighten the Wheel Nuts	
13	Clean oil pressure indicator, if necessary.		Drain, flush and fill Transmission case oil with recommended grade	
14	Inspect electrical system.		Drain, flush and fill Rotary Chain case oil with recommended grade	
15	Adjust valve clearance as recommended.		Adjust rotary chain tension	
16	Clean fuel tank thoroughly.		check and tighten all the external bolts, nuts and screws.	
17	Check engine nozzle pressure and fuel injection timing.			
18	Set engine speed at no load.			
19	Start engine and follow.			

1st Paid Service (150 hrs. or 6 months after previous service)	MEGA T 1st PAID SERVICE COUPON (150 hrs. or 6 months after previous service)		Coupon No. :
Date of Service :	Model	Date of Sale	Dealer Code
Chassis No. :	Engine No.	Date of Service	Vendor Code
No. of working hours :	Chassis No.	Next Service Due Date	
Dlr. Stamp & Sign. :	Owner's Name:	Signature	Dealer's Seal & Signature
	Technician's Name:	Signature	



2nd Paid Service (150 hrs. or 6 months after previous service)	MEGA T 2nd PAID SERVICE COUPON (150 hrs. or 6 months after previous service)		Coupon No. :
Date of Service :	Model	Date of Sale	Dealer Code
Chassis No. :	Engine No.	Date of Service	Vendor Code
No. of working hours :	Chassis No.	Next Service Due Date	
Dlr. Stamp & Sign. :	Owner's Name:	Signature	Dealer's Seal & Signature
	Technician's Name:	Signature	



3rd Paid Service (150 hrs. or 6 months after previous service)	MEGA T 3rd PAID SERVICE COUPON (150 hrs. or 6 months after previous service)		Coupon No. :
Date of Service :	Model	Date of Sale	Dealer Code
Chassis No. :	Engine No.	Date of Service	Vendor Code
No. of working hours :	Chassis No.	Next Service Due Date	
Dlr. Stamp & Sign. :	Owner's Name:	Signature	Dealer's Seal & Signature
	Technician's Name:	Signature	

Check List For 1st Paid Service				
Sr. No.	Engine	Mark	Supportive Aggregates	Mark
1	Warm up water in radiator by running the engine. Stop the engine, drain water completely. If dirty, clean radiator with fresh water, refill radiator with clean, soft water, Add radiator inhibitor (for water cooled engine).		Clean the Externals of the Mega T	
2	Clean crank case after running the engine 5 -10 minutes, clean oil screen assembly.		Adjust the Side clutch	
3	Clean air cleaner and filtering element. Change oil.		Adjust the Main clutch	
4	Grease tension pulley.		Adjust the Brake	
5	Lubricate all moving parts.		Adjust the V-belt tension	
6	Check cylinder head nuts. Tighten the nut to the recommended torque.		Adjust the Stand movement	
7	Check and tighten all nuts and bolts to the recommended torque.		Lubricate Shift lever, side clutch lever cables, throttle cables decompression cable etc.	
8	Adjust radiator fan belt to the recommended deflection (for water cooled engines).		Fill the grease in Tail wheel, bearings, rotary shaft bearings case cover etc.	
9	Change fuel filter element.		Tighten the rotary Tyne Nuts and Bolts	
10	Clean oil pressure indicator, if necessary.		Tighten the Chassis stud and bolts	
11	Adjust valve clearance as recommended.		Tighten the Rotary connecting case bolts as per torque specification	
12	Inspect electrical system.		Tighten the Wheel Nuts	
13	Start engine and follow.			



Check List For 2nd Paid Service				
Sr.	Engine	Mark	Supportive Aggregates	Mark
1	Warm up water in radiator (for water cooled engine only) by running the engine, Stop the engine, drain water completely. If dirty, clean radiator with fresh water, refill radiator with clean, soft water. Add radiator inhibitor. (for water cooled engine).		Clean the Externals of the Mega T	
2	Clean crank case after running the engine 5 -10 minutes and change engine oil, clean oil screen assembly.		Adjust the Side clutch	
3	Clean air cleaner and filtering element. Change oil.		Adjust the Main clutch	
4	Grease tension pulley.		Adjust the Brake	
5	Oil to the arm shafts, cam lever, etc.		Adjust the V-belt tension	
6	Check cylinder head nuts. Tighten the nuts to the recommended torque.		Adjust the Stand movement	
7	Check and tighten all nuts and bolts to the recommended torque.		lubricate Shift lever, side clutch lever cables, throttle cables decompression cable etc.	
8	Lubricate all moving parts.		Fill the grease in Tail wheel, bearings, rotary shaft bearings case cover etc.	
9	Adjust radiator fan belt to the recommended deflection (for water cooled engines).		Tighten the rotary Tyne Nuts and Bolts	
10	Change fuel filter element.		Tighten the Chassis stud and bolts	
11	Clean oil pressure indicator, if necessary.		Tighten the Rotary connecting case bolts as per torque specification	
12	Adjust valve clearance as recommended.		Tighten the Wheel Nuts	
13	Inspect electrical system.		Drain, flush and fill Transmission case oil with recommended grade	
14	Check engine nozzle pressure and fuel injection timing.		Drain, flush and fill Rotary Chain case oil with recommended grade	
15	Set engine speed at no load.		Adjust rotary chain tension	
16	Start engine and follow.		Check and tighten all the external bolts, nuts and screws.	



Check List For 3rd Paid Service				
Sr.	Engine	Mark	Supportive Aggregates	Mark
1	Warm up water in radiator (for water cooled engine only) by running the engine. Stop the engine, drain water completely. If dirty, clean radiator with fresh water, refill radiator with clean, soft water. Add radiator inhibitor (for water cooled engine).		Clean the Externals of the Mega T	
2	Clean crank case after running the engine 5 -10 minutes and change engine oil, clean oil screen assembly.		Adjust the Side clutch	
3	Clean air cleaner and filtering element. Change oil.		Adjust the Main clutch	
4	Grease tension pulley.		Adjust the Brake	
5	Oil to the arm shafts, cam lever, etc.		Adjust the V-belt tension	
6	Check cylinder head nuts. Tighten the nuts to the recommended torque.		Adjust the Stand movement	
7	Check and tighten all nuts and bolts to the recommended torque.		Lubricate Shift lever, side clutch lever cables, throttle cables decompression cable etc.	
8	Lubricate all moving parts.		Fill the grease in Tail wheel, bearings, rotary shaft bearings case cover etc.	
9	Adjust radiator fan belt to the recommended deflection (for water cooled engines).		Tighten the rotary Tyne Nuts and Bolts	
10	Check and adjust injector pressure to the recommended pressure.		Tighten the Chassis stud and bolts	
11	Check and tighten engine foundation		Tighten the Rotary connecting case bolts as per torque specification	
12	Change fuel filter element.		Tighten the Wheel Nuts	
13	Clean oil pressure indicator, if necessary.		Drain, flush and fill Transmission case oil with recommended grade	
14	Inspect electrical system.		Drain, flush and fill Rotary Chain case oil with recommended grade	
15	Adjust valve clearance as recommended.		Adjust rotary chain tension	
16	Clean fuel tank thoroughly.		check and tighten all the external bolts, nuts and screws.	
17	Check engine nozzle pressure and fuel injection timing.			
18	Set engine speed at no load.			
19	Start engine and follow.			

PDI CHECK LIST

Sr. No.:

PDI CHECK SHEET		
Sr. No.	Engine	Mark
1	Check Engine Oil and Top up to Recommended Level	
2	Check water level and Top up	
3	Check Fuel Tank and leakage	
4	Check air cleaner oil and Top up to the mark	
5	Check Fan belt tension and adjust, if necessary	
6	Check transmission belt tension and adjust, if necessary	
7	Check Engine foundation bolts and tight, if necessary	
8	Crank the engine several times	
9	Check oil pressure indicator mark	
10	Check exhaust condition	
11	Check abnormal sound	
12	Check vibration	
13	Check engine speed and hunting	
14	Check Head light	
15	Check for oil and water leakage	

Sr. No.	Supportive Aggregates	Mark
1	Check gear box oil and Top-up to the level	
2	Check chain case oil and Top-up the level	
3	Grease LH housing for grease & apply grease if required	
4	Lubricate all moving parts of joints and lever	
5	Check tyre pressure	
6	Check all bolts and nuts and tight, if necessary	
7	Tight wheel bolts, wheel hub nuts and axle bolts	
8	Check main clutch adjustment, side clutch adjustment, & brake adjustment	
9	Check & adjust, Main Clutch, Side clutch & engagement of gear and rotary shaft	

Model:	Engine No.:	Chassis No.:	Invoice No.:
			Invoice Date:
Dealer's Name :		Dealer Code:	Signature
Technicians Name :			Signature
Remarks if any:			Customer Signature

Sr. No.:

Date:

MEGA T—Installation Worksheet

Dealer & Owner Details		Mega T Details	
Dealership Name & Location :		Engine No.:	
Dealer & Vendor Code:		Chassis No.:	
Invoice No.		Invoice Date:	
Installation Date:		Battery Make & Sr. No.:	
Installation Location:		Alternator Make & Sr. No.:	
Name of Customer:			
Residential Address:			
Pin Code:			
Phone No. / Mobile No:			

Functions Explained & Demonstrated (Please Put ✓ Mark In Box After Explanation & Demonstration)

Know your Machine

Location of Chassis No.	<input type="checkbox"/>	Location of Engine No.	<input type="checkbox"/>
Warranty Policy	<input type="checkbox"/>	Labour Free Service Intervals	<input type="checkbox"/>
Location of Starting Handle	<input type="checkbox"/>		<input type="checkbox"/>

Control Lever Location& Operation

Location of Clutch- Brake Lever	<input type="checkbox"/>	Location of Steering Levers	<input type="checkbox"/>
Location Of Accelerator Lever	<input type="checkbox"/>	Location Of Rototiller Hi-Low Lever	<input type="checkbox"/>
Location of Rototiller Depth Adjusting Handle	<input type="checkbox"/>	Location of Hi- Low Lever	<input type="checkbox"/>
Location of Transmission Gear shift Lever	<input type="checkbox"/>	Location Of Transmission Brake Lever	<input type="checkbox"/>
Location of Decompression Lever	<input type="checkbox"/>	Location Of Speed Control Lever	<input type="checkbox"/>
Location Of ON-OFF Knob	<input type="checkbox"/>		<input type="checkbox"/>

MEGA T - INSTALLATION WORKSHEET

Control Lever Location & Operation			
How to check Engine Oil Level. (Capacity 3.2 Ltrs , Grade SAE 15 W40).	<input type="checkbox"/>	How to check Coolant & Water Level.	<input type="checkbox"/>
How to check Transmission Oil Level (Capacity 7.5 Ltrs, Grade 80 W 90).	<input type="checkbox"/>	Recommended Air Pressure For Field (1.4 kg/cm ²).	<input type="checkbox"/>
Recommended Air Pressure For Road (2.0 kg/cm ²).	<input type="checkbox"/>	How to clean Air Filter.	<input type="checkbox"/>
How to Start & Stop the engine.	<input type="checkbox"/>	How to adjust Track Width.	<input type="checkbox"/>
Implements attachments & Operations.	<input type="checkbox"/>		<input type="checkbox"/>

Periodic Maintenance					
Parameters	Daily		Parameters	Daily	
	Before Use	After Use		Before Use	After Use
Engine Oil Check	<input type="checkbox"/>	<input type="checkbox"/>	Rotary Blade Shaft Ends	<input type="checkbox"/>	<input type="checkbox"/>
Air Cleaner Cleaning	<input type="checkbox"/>	<input type="checkbox"/>	Cam Lever	<input type="checkbox"/>	<input type="checkbox"/>
External Nuts & Bolts	<input type="checkbox"/>	<input type="checkbox"/>	Tension Pulley	<input type="checkbox"/>	<input type="checkbox"/>
Main Clutch Bearing	<input type="checkbox"/>	<input type="checkbox"/>	Joints Of All Control Lever	<input type="checkbox"/>	<input type="checkbox"/>
Blade Fitting Nuts & Bolts	<input type="checkbox"/>	<input type="checkbox"/>	Wheel Hub Bolts	<input type="checkbox"/>	<input type="checkbox"/>
Transmission V- Belt	<input type="checkbox"/>	<input type="checkbox"/>	Tyre Pressure (kg/cm.2)	<input type="checkbox"/>	<input type="checkbox"/>
Head Lights	<input type="checkbox"/>	<input type="checkbox"/>	Radiator	<input type="checkbox"/>	<input type="checkbox"/>
Radiator Fan Belt	<input type="checkbox"/>	<input type="checkbox"/>	Oil Pressure Indicator	<input type="checkbox"/>	<input type="checkbox"/>
Breather	<input type="checkbox"/>	<input type="checkbox"/>	Brake Fluid	<input type="checkbox"/>	<input type="checkbox"/>
Side Clutch Tension	<input type="checkbox"/>	<input type="checkbox"/>	Main Clutch Free Play	<input type="checkbox"/>	<input type="checkbox"/>
Parking Brake Position Adjustment	<input type="checkbox"/>	<input type="checkbox"/>			

We hereby confirm that the KMW- "MEGA T" has been installed at our premises in perfect working condition and we have received all the Tool Kit and optional accessories, Operator manual. Warranty terms and conditions explained.

Customer Comments

Customer Name & Signature

Installer Name & Signature



KIRLOSKAR OIL ENGINES LIMITED

A Kirloskar Group Company

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Khadki, Pune, Maharashtra 411003

Part No.: P15.8000.101.0.00