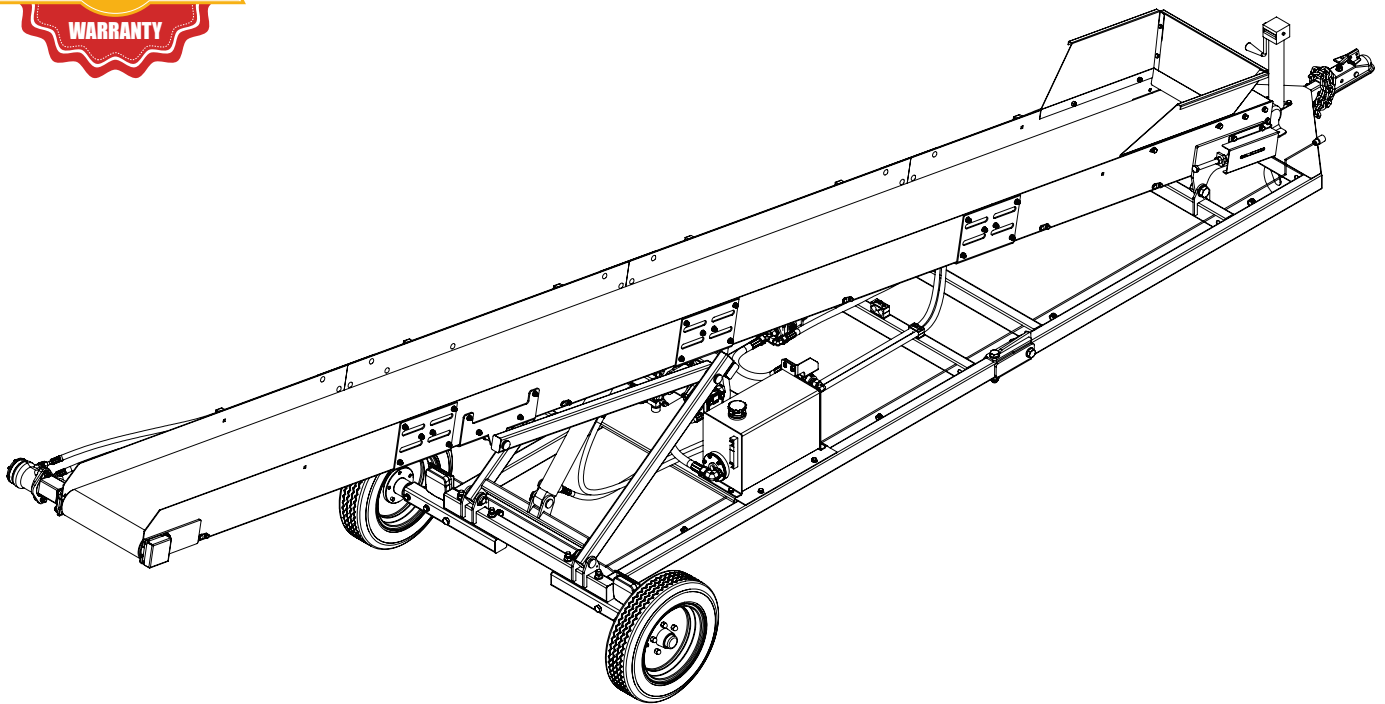


HC2016 FIREWOOD CONVEYORS



Operator's Manual

MechMaxx

www.mechmaxx.com

INTRODUCTION

Congratulations on your purchase and welcome to MechMaxx! This manual gives you the necessary information about your machine so you will be able to use it properly. The entire manual must be read and understood before you start using the machine. If any questions should arise that are not covered by this manual, please contact MechMaxx.



Do not start or operate the machine before you read this manual. Make sure that you fully understand all the safety, operation, and maintenance information before you operate the machine.

Keep this manual with the machine at all times and available for frequent reference.

This machine is designed for certain applications only. We strongly recommend that this machine is not modied and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have rst contacted us to determine if it can or should be performed on the product.

For available accessories, go to mechmaxx.com.

ENGINE MANUAL

The Engine Manufacturer is responsible for all engine related issues with regards to performance, power rating, specifications, warranty and service. Please refer to the Engine Manufacturer's owner/operator's manual.

MODEL AND SERIAL NUMBERS

Record the model and serial number as well as date and place of purchase for future reference. Have this information available when ordering parts or optional accessories and when making technical or warranty inquiries.

This manual is subject to change without notice. For the most current information, go to Mechmaxx.com.

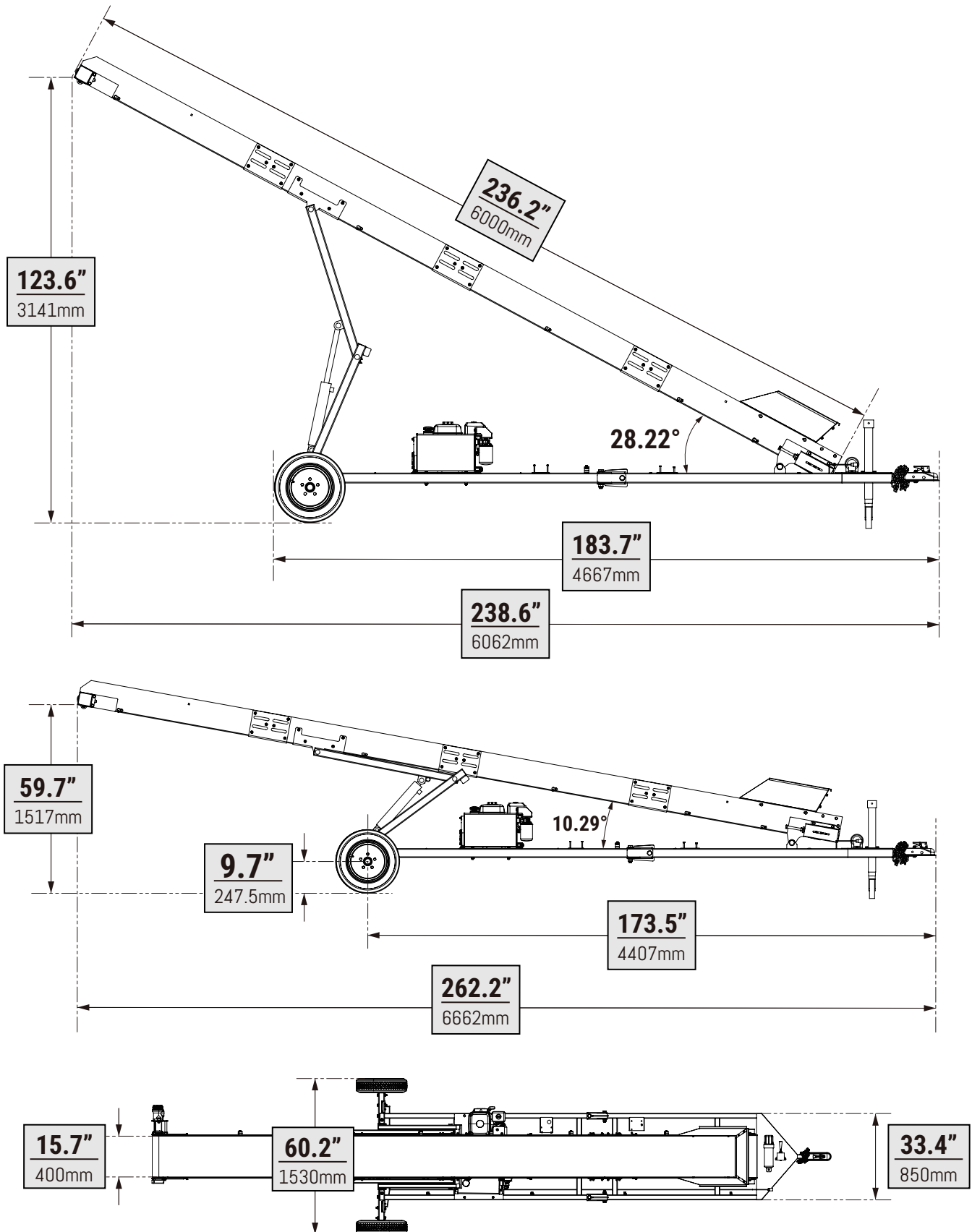
TABLE OF CONTENTS

SPECIFICATIONS	3	HYDRAULICALLY CONTROLLED CONVEYOR SPEED	28
OVERALL DIMENSIONS	4	IDLE SPEED	29
SAFETY	5	STOP ENGINE	29
UNDERSTAND YOUR MACHINE	5	TRANSPORT	30
WORK AREA	5	TRANSPORT SAFETY	30
PERSONAL SAFETY	5	TOWING	30
FUEL SAFETY	5	MAINTENANCE	31
USES	6	MAINTENANCE PRECAUTIONS	31
MACHINE USE AND CARE	6	HYDRAULIC OIL	31
IMPORTANT SAFETY INFORMATION	7	ENGINE OIL	31
CONTENTS SUPPLIED	8	RECOMMENDED FUEL	31
ASSEMBLY	10	MAINTENANCE INTERVAL CHART	32
CHASSIS ASSEMBLY	10	PARTS DIAGRAM	33
HITCH COUPLER ASSEMBLY	10	PARTS LIST	34
ASSEMBLE TIRES, AXLES AND TAILLIGHTS	11		
TRAILER JACK ASSEMBLY	12		
TAIL LIGHT CABLE ASSEMBLY	14		
BRACKET ASSEMBLY	14		
CONVEYOR BELT ASSEMBLY	15		
ENGINE AND HYDRAULIC TANK ASSEMBLY	20		
CONVEYOR BELT AND CHASSIS ASSEMBLY	21		
HYDRAULIC SYSTEM ASSEMBLY	22		
KNOW YOUR MACHINE	24		
OPERATION	25		
OPERATING SAFETY	25		
ADD OIL TO ENGINE	25		
ADD GASOLINE TO ENGINE	26		
STARTING ENGINE	26		
OPERATING	27		
HYDRAULIC ADJUSTMENT OF CONVEYOR ANGLE	28		
HYDRAULIC CONTROL OF THE DIRECTION OF TRANSMISSION	28		

SPECIFICATIONS

Model	HC2016
Engine Power	DUCAR DH212 7hp
Engine Type	Single Cylinder, 4 Stroke, Air-Cooled, OHV
Conveyor Belt length	19.7 ft
Conveyor Belt Wide	16 in
Max Discharge Height	10.5 ft
Min Discharge Height	5 ft
Drive System	Hydraulic
Hydraulic Pump	5.7 GPM Single Stage Pump
Hydraulic Fluid Type	AW-46
Hydraulic Tank Capacity	4.2 gal
Hydraulic Oil Filter Fineness	10 micron
Towing	Tow Bar with 2 in Coupler
Maximum Towing Speed	45 MPH
Tires Rims	13 in
Tires	19 in Radial (O. D.)
Overall Dimensions (LxWxH)	261x60x63 in
Finish	Powder Coating
Package Method	Plywood Case
Packing Size (LxWxH)	90x38x33 in
Warranty	1year
Weight (N.W./G.W.)	992/1124 LBS

OVERALL DIMENSIONS



SAFETY

UNDERSTAND YOUR MACHINE



Read and understand the operator's manual and labels affixed to the machine. Learn its application and limitations as well as the specific potential hazards peculiar to it.

Be thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.

Make sure to read and understand all the instructions and safety precautions as outlined in the Engine Manufacturer's Manual, packed separately with your unit. Do not attempt to operate the machine until you fully understand how to properly operate and maintain the Engine and how to avoid accidental injuries and/or property damage.

WORK AREA

Never start or run the machine inside a closed area. The exhaust fumes are dangerous, containing carbon monoxide, an odorless and deadly gas. Operate this unit only in a well ventilated outdoor area.

Never operate the machine without good visibility or light.

Do not turn on, or plug in electrical components near water exposures or in wet conditions.

PERSONAL SAFETY

Do not operate the machine while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.

Dress properly. Wear heavy long pants, boots and gloves. Do not wear loose clothing, short pants, and jewelry of any kind. Secure long hair so it is above shoulder level. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

Use safety equipment. Always wear eye protection. Safety equipment such as a dust mask, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts bolts, etc. are securely tightened.

Never operate the machine when it is in need of repair or is in poor mechanical condition. Replace damaged, missing or failed parts before using it. Check for fuel leaks. Keep the machine in safe working condition.

Never remove or tamper with safety device. Check their proper operation regularly.

Do not use the machine if the engine's switch does not turn it on or off. Any gasoline powered machine that can not be controlled with the engine switch is dangerous and must be replaced.

Form a habit of checking to see that keys and adjusting wrenches are removed from machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.

Stay alert, watch what you are doing and use common sense when operating the machine.

Do not operate the machine while barefoot or when wearing sandals or similar light weight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces. Keep proper footing and balance at all times. This enables better control go the machine in unexpected situations.

Avoid accidental starting. Be sure the engine is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with engine on invites accidents.

Only operate the conveyor when the Undercarriage and conveyor have been leveled and anchored properly. Do not operate conveyor when the undercarriage wheels are free of movement on the ground. Do not operate conveyor when transporting the equipment.

FUEL SAFETY

Fuel is highly flammable, and its vapors can explode if ignited. Take precautions when using to reduce the chance of serious personal injury.

When refilling or draining the fuel tank, use an approved fuel storage container while in a clean, well-ventilated outdoor area.

While adding fuel or operating the unit, do not smoke, and stay away from sparks, open flames, or other sources of ignition near the area of operation. Never fill the fuel tank. Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing. These events could ignite fumes or vapors.

Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot. Do not operate the machine with known leaks in the fuel system.

Loose the fuel tank cap slowly to relieve any pressure in the tank.

Replace all fuel tank and container caps securely and wipe up spilled fuel. Never operate the unit without the fuel cap securely in place.

Avoid creating a source of ignition for spilled fuel. If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have dissipated.

Store fuel in containers specifically designed and approved for this purpose.

Store fuel in a cool, well-ventilated area, safely away from sparks, open flames or other sources of ignition.

Never store fuel or machine with fuel in the tank inside a building where fumes may reach a spark, open flame, or other sources of ignition, such as a water heater, furnace, clothes dryer and the like. Allow the engine to cool before storing in any enclosure.

Never over fill fuel tank. Fill tank to no more than 1/2 inch below the bottom of the filler neck to provide space for expansion as the heat of the engine can cause fuel to expand.

USES

The conveyor's purpose is to transport material, not people. Using the conveyor to transport people is extremely hazardous and may cause injury or death.

Do not allow anyone to climb on the conveyor or use it as a ladder to reach higher elevations.

Do not let anyone ride, stand or sit on a running conveyor. Instability of a conveyor can result from being placed on dirt, unstable ground or another unstable support.

Weight limitation or load capacities of the conveyor should be observed carefully.

MACHINE USE AND CARE

Position the machine in such a way that it can not move during maintenance, cleaning, adjustment, assembly of accessories or spare parts, as well as under storage,

Do not change the engine governor settings or over-speed the engine. The governor controls the maximum safe operating speed of the engine.

Do not put hands or feet near rotating parts.

Avoid contact with hot fuel, oil, exhaust fumes and hot surfaces.

Do not touch the engine or muffler. These parts get extremely hot from operation. They remain hot for a short time after you turn off the unit. Allow the engine to cool before doing maintenance or making adjustments.

If the machine should start to make an unusual noise or vibration, immediately shut off the engine, disconnect the spark plug wire, and check for the cause. Unusual noise or vibration is generally warning of trouble.

Use only attachments and accessories approved by the manufacturer. Failure to do so can result in personal injury.

Maintain the machine. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use. Many accidents are caused by poorly maintained equipment.

List of warnings and cautions cannot be all-inclusive. If situations occur that are not covered by this manual, the operator must apply common sense and operate this Firewood Conveyors in a safe manner. Contact the dealers for assistance in your area.

IMPORTANT SAFETY INFORMATION

This manual contains essential information regarding the safety hazards, operations, and maintenance associated with this machine. The manual should always remain with the machine, including if it is resold.

ALL CAUTIONS AND SAFETY WARNINGS MUST BE FOLLOWED TO AVOID INJURY OR DAMAGE TO EQUIPMENT.

THIS EQUIPMENT IS TO BE USED ONLY BY TRAINED OPERATORS AND MUST ALWAYS BE ATTENDED DURING OPERATION.



▲ NOTICE
KEEP BACK FROM CONVEYOR

▲ WARNING
 **NO HANDS HERE**

▲ NOTICE
***HYDRAULIC OIL ONLY**

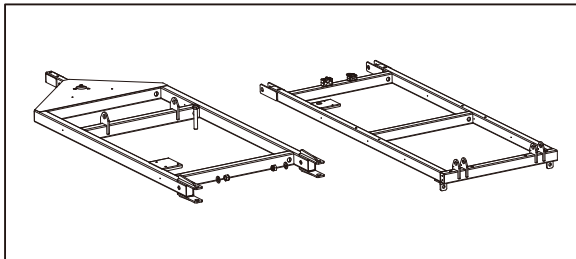
▲ WARNING
Cancer and Reproductive Harm



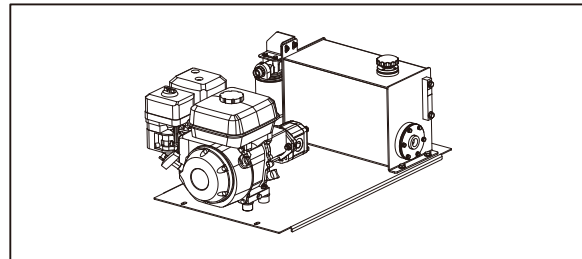
***Decals are to be replaced if worn or illegible.**

CONTENTS SUPPLIED

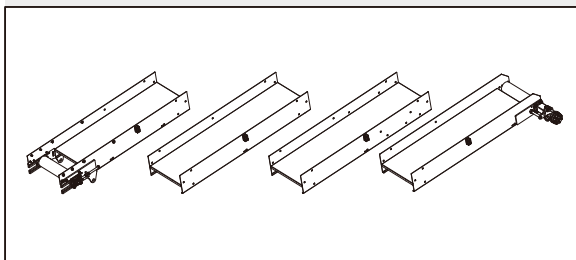
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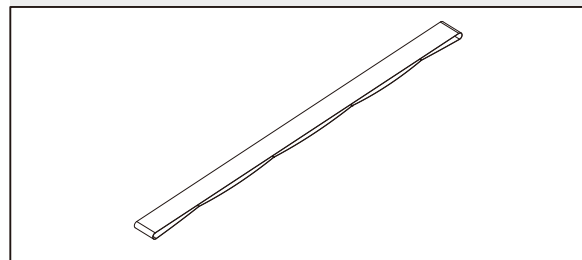
1x CHASSIS



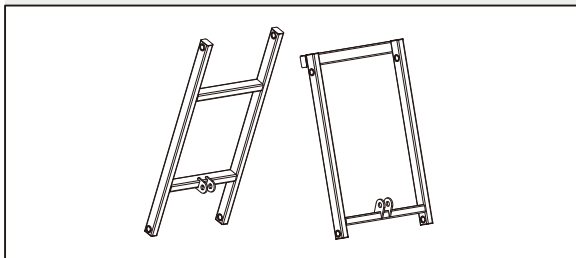
1x CHASSIS 2



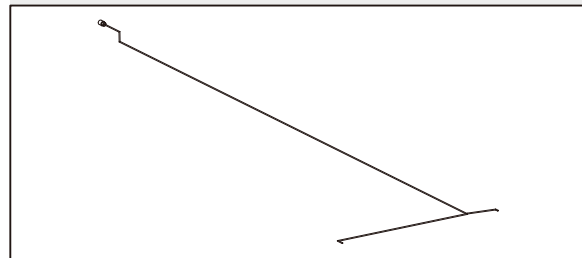
1x CONVEYOR BELT



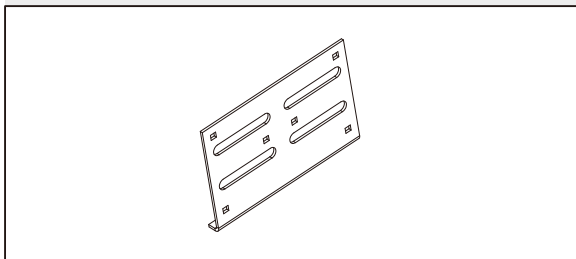
1x BELT



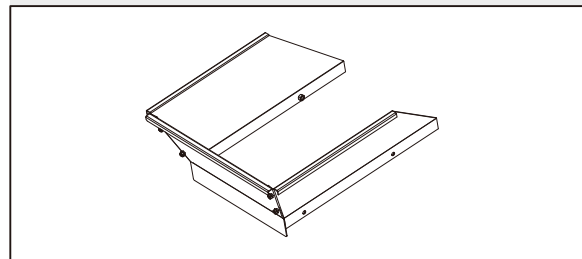
1x BRACKET



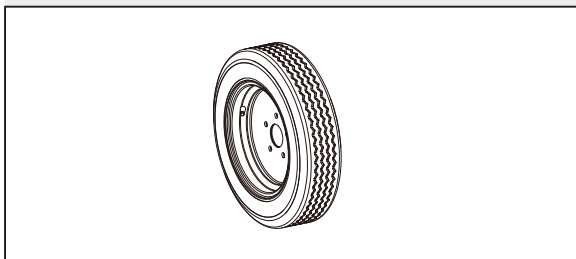
1x WIRING HARNESS



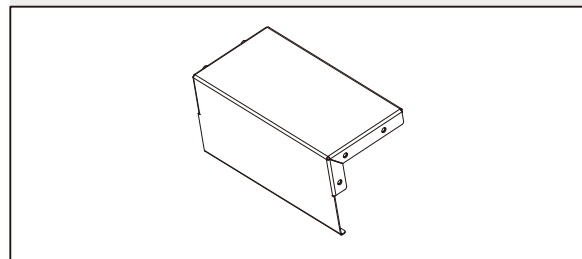
6x CONNECTING PLATE



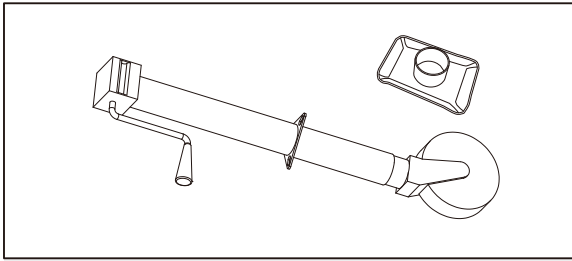
1x HOPPER



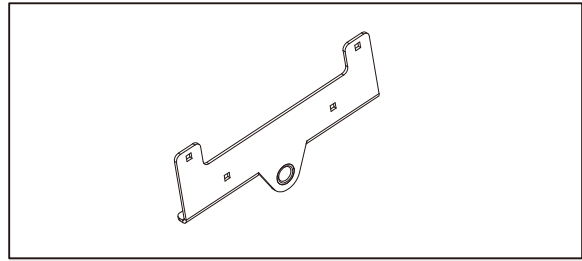
2x WHEEL



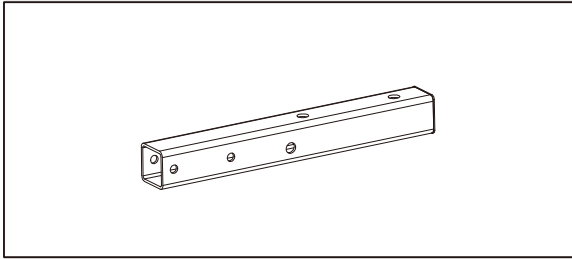
1x BOTTOM GUARD



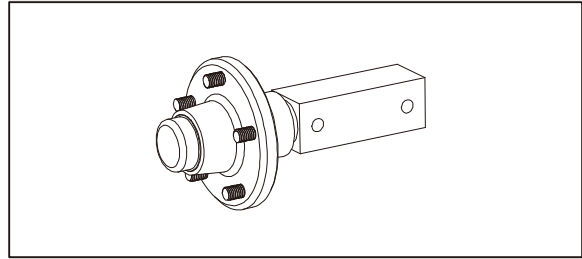
1x TRAILER JACK



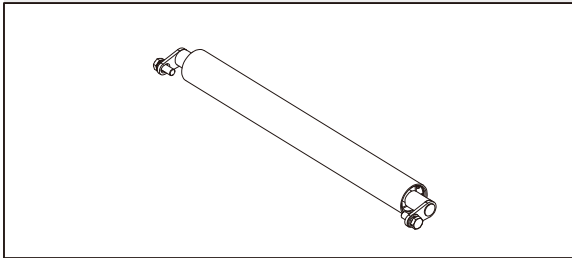
2x SUPPORT BASE



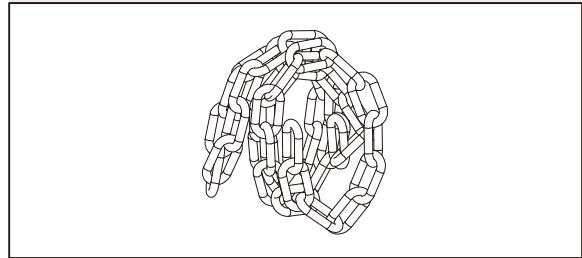
2x AXLE SQUARE TUBE



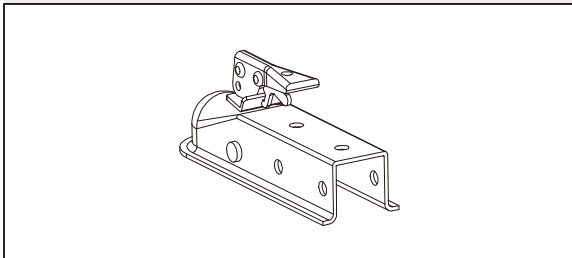
2x AXLES



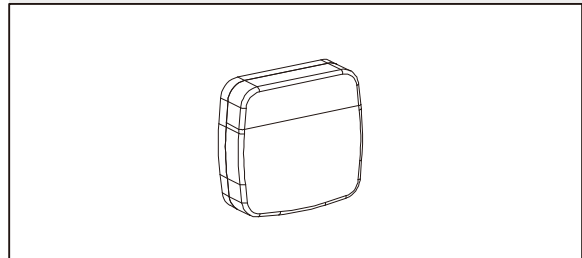
6x ROLLER



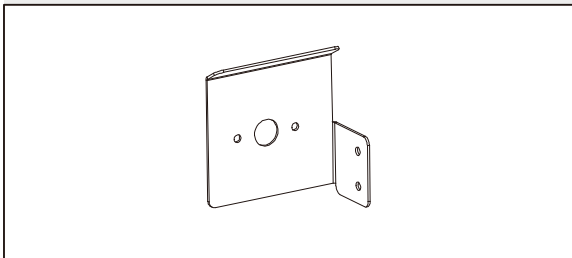
1x SAFETY CHAIN



1x HITCH BALL COUPLER



2x TAILLIGHT



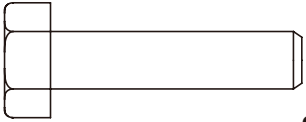
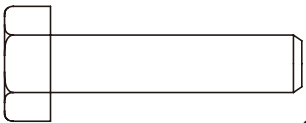
2x TAIL LIGHT BRACKET


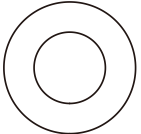
Verify all component and hardware quantities are correct prior to assembling the Firewood Conveyors.

ASSEMBLY

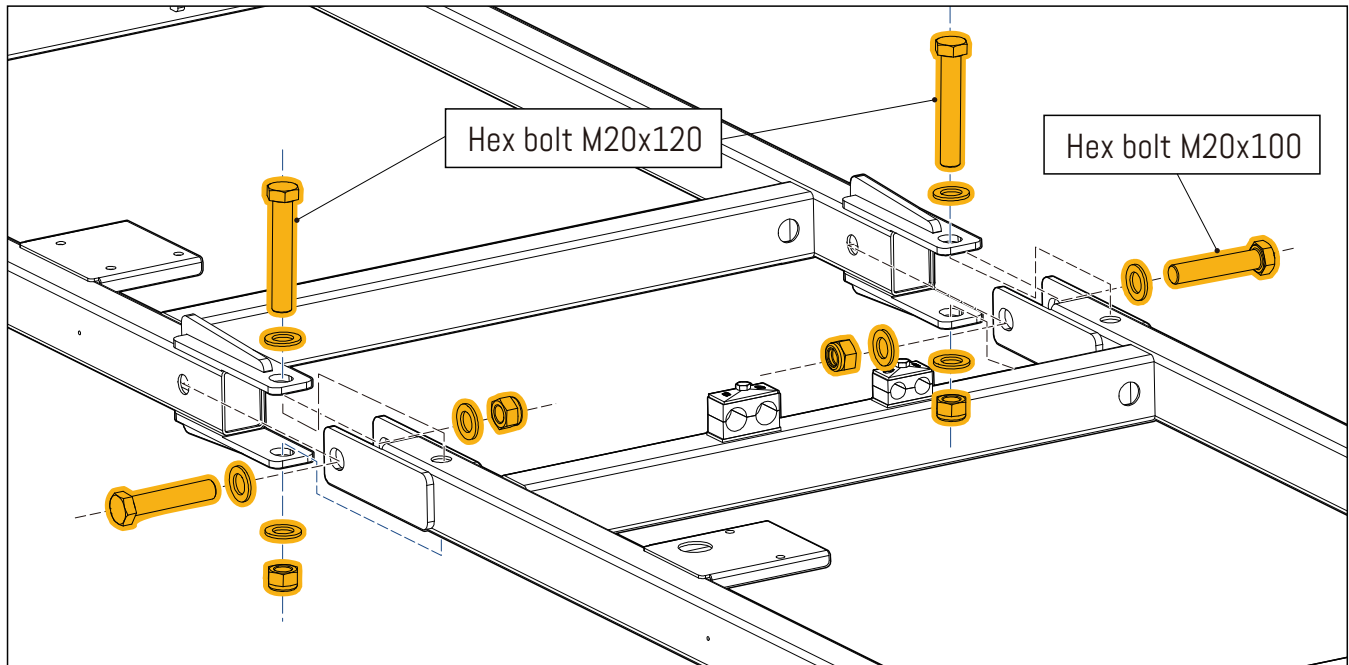
CHASSIS ASSEMBLY

Before assembling the chassis, please prepare the following parts.

Hex bolt M20x120		2X
Hex bolt M20x100		2X

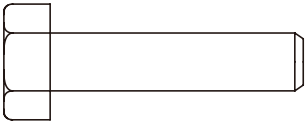
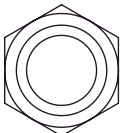
Hex lock nut M20		4X
Flat washer 20		8X

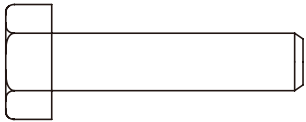
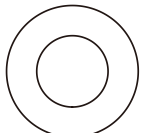
Use Hex bolt M20x120, Hex bolt M20x100, Hex lock nut M20 and Flat washer, to assemble the chassis together.

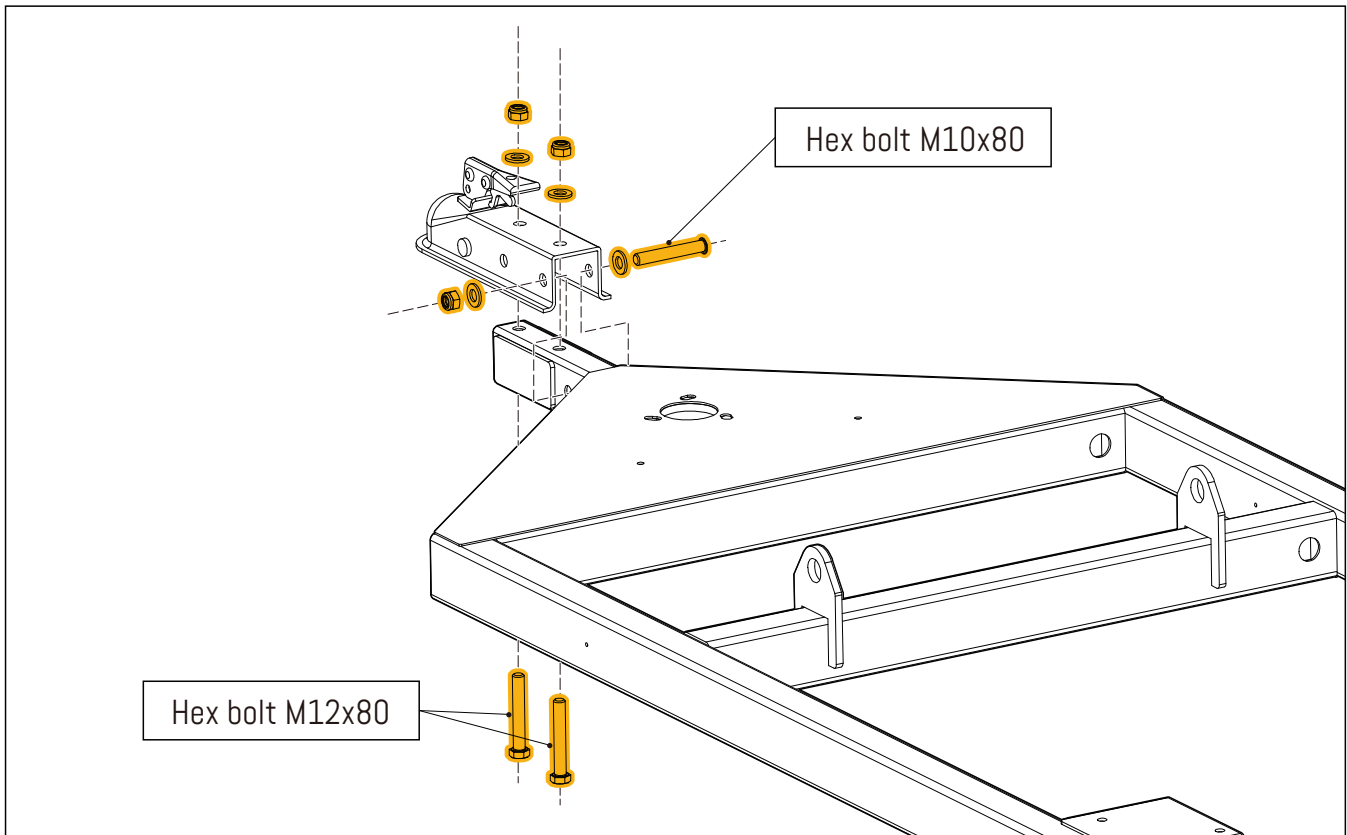


HITCH COUPLER ASSEMBLY

Before assembling the coupler, please prepare the following parts.

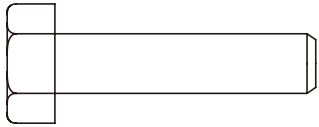
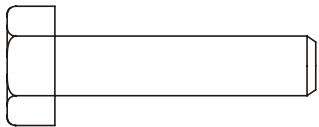
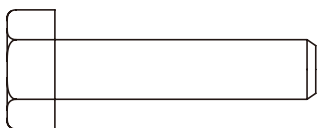
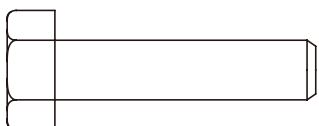
Hex bolt M10x80		1X
Hex lock nut M12		3X

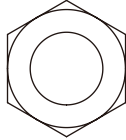
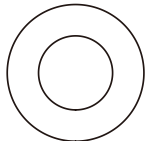
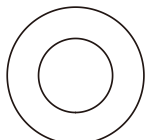
Hex bolt M12x80		2X
Flat washer 12		4X

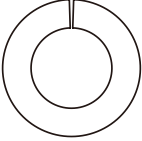




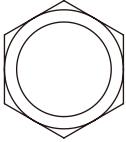
ASSEMBLE TIRES, AXLES AND TAILLIGHTS

Before assembling, please prepare the following parts.

Hex bolt M16x160		4X
Hex bolt M12x80		4X
Hex bolt M16x100		2X
Hexagon socket bolts M6x16		4X

Wheel nut M12		10X
Flat washer 16		6X
Flat washer 6		4X

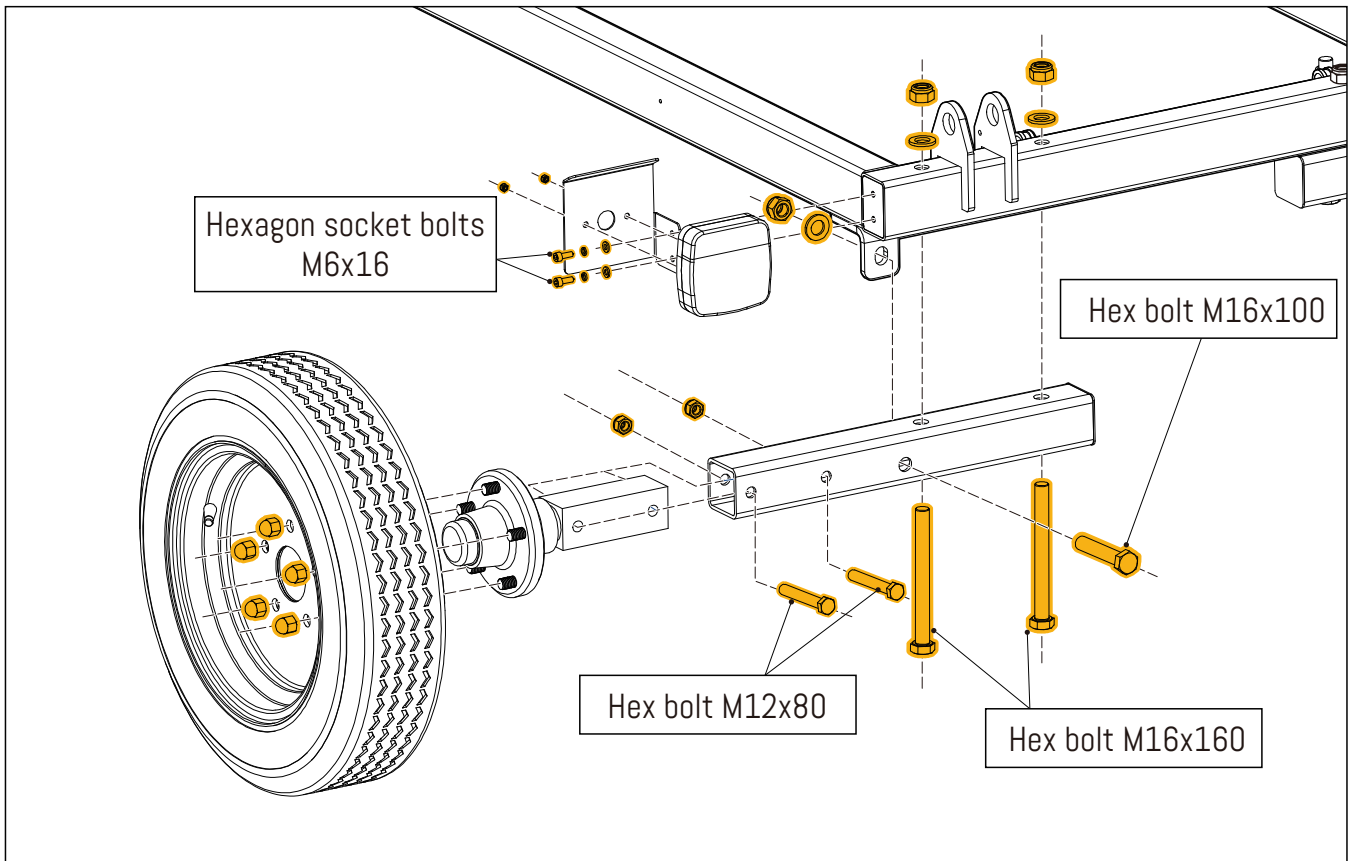
Spring washer 6		4X
Hex lock nut M12		4X

Hex lock nut M16		6X
Hexagonal lock nut M5		4X

Install the axle to the chassis using Hex bolt M16x160, Hex lock nut M16 and Flat washer, and secure it with Hex bolt M16x100, Hex lock nut M16 and Flat washer.

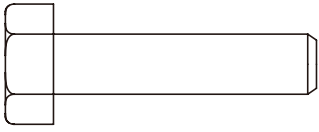
Install the tire to the axle using Hex bolt M12x80 and Hex lock nut M12.

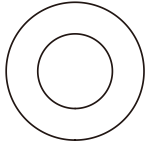
Mount the taillight to the chassis using Hexagon socket bolts M6x16, Spring washer 6 and Flat washer 6.



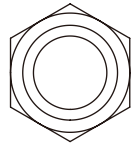
TRAILER JACK ASSEMBLY

Before assembling, please prepare the following parts.

Hex bolt M8x25		3X
-----------------------	---	-----------

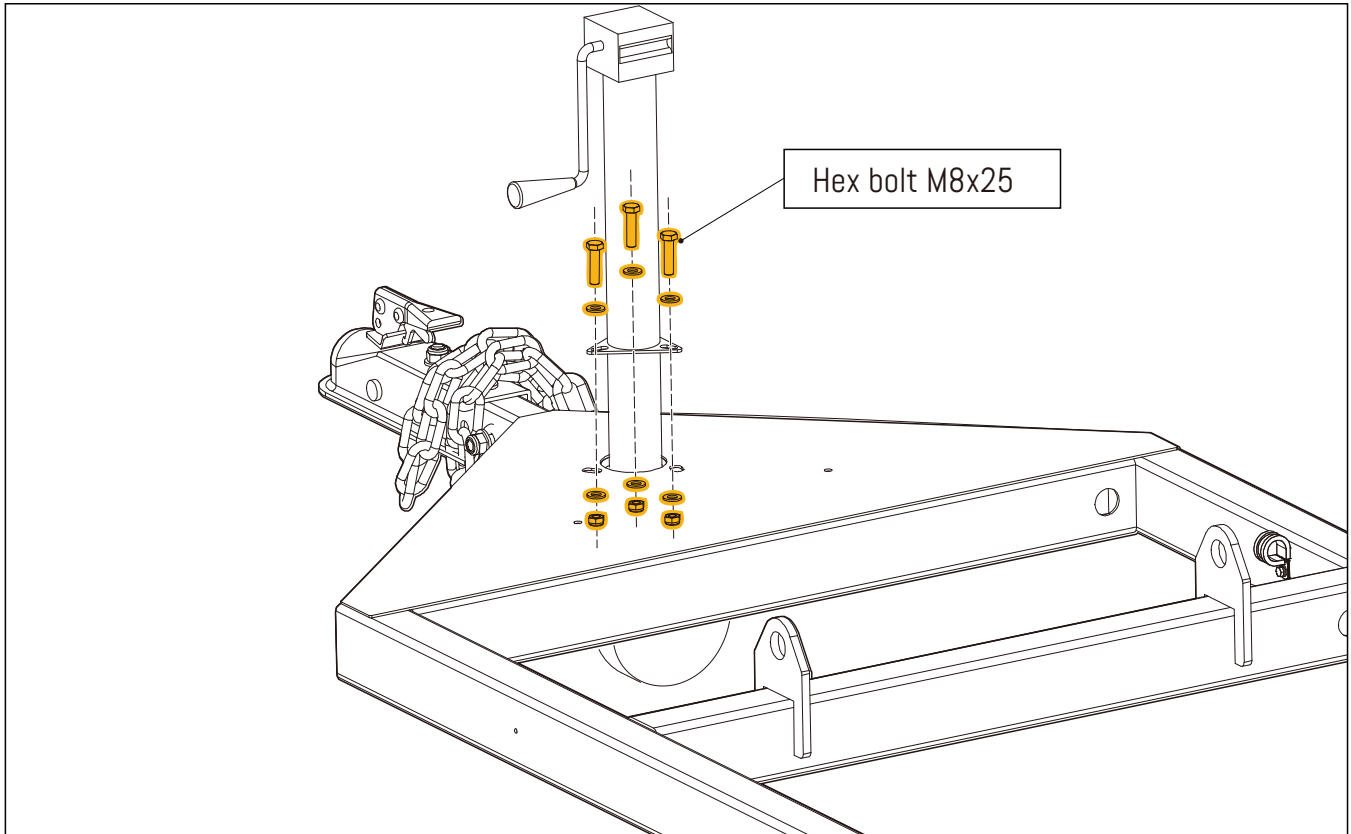
Flat washer 8		6X
----------------------	---	-----------

**Hex lock
nut M8**



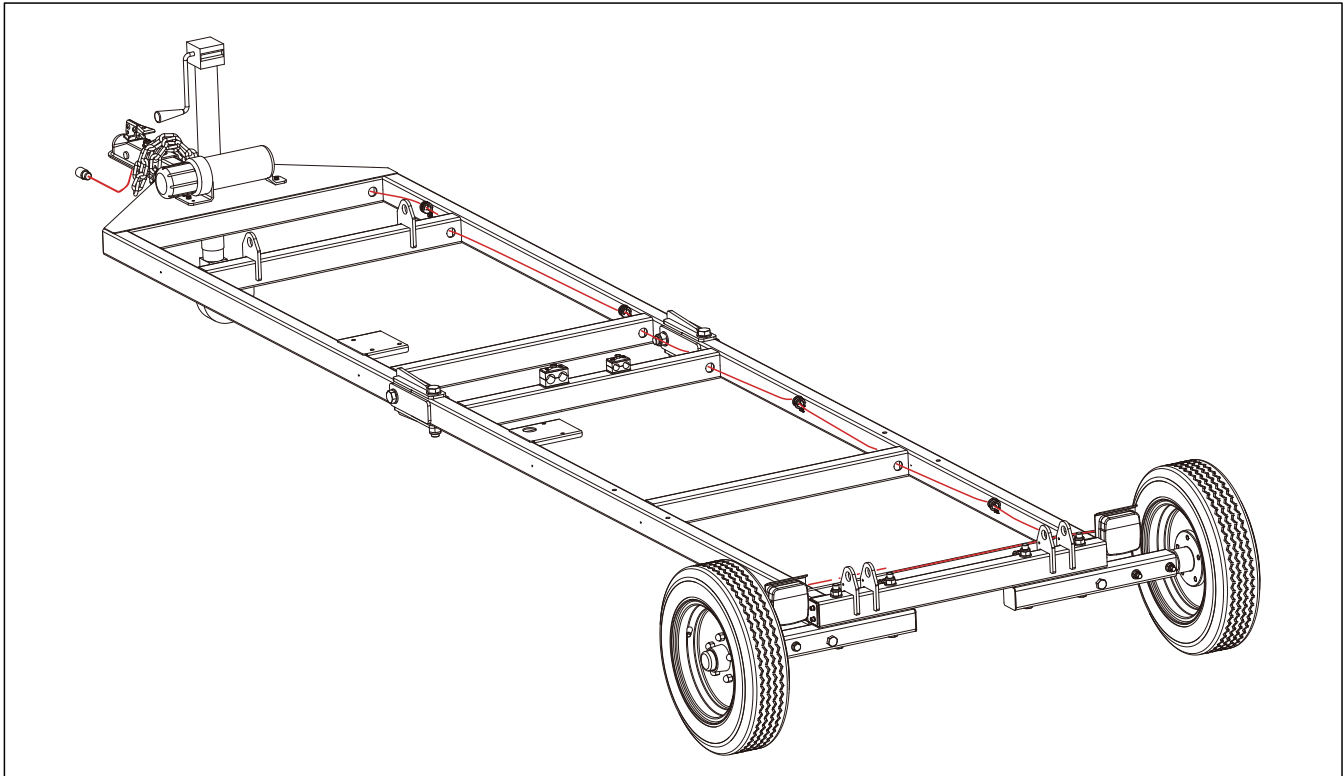
3X

Assemble the trailer jack to the chassis using Hex bolt M8x25, Hex lock not M8, and Flat washer 8.



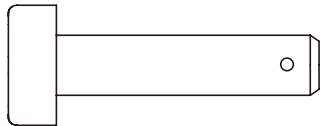

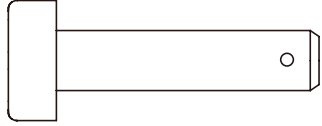
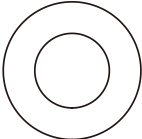
TAIL LIGHT CABLE ASSEMBLY

Refer to the figure below to install the wiring harness to the chassis.

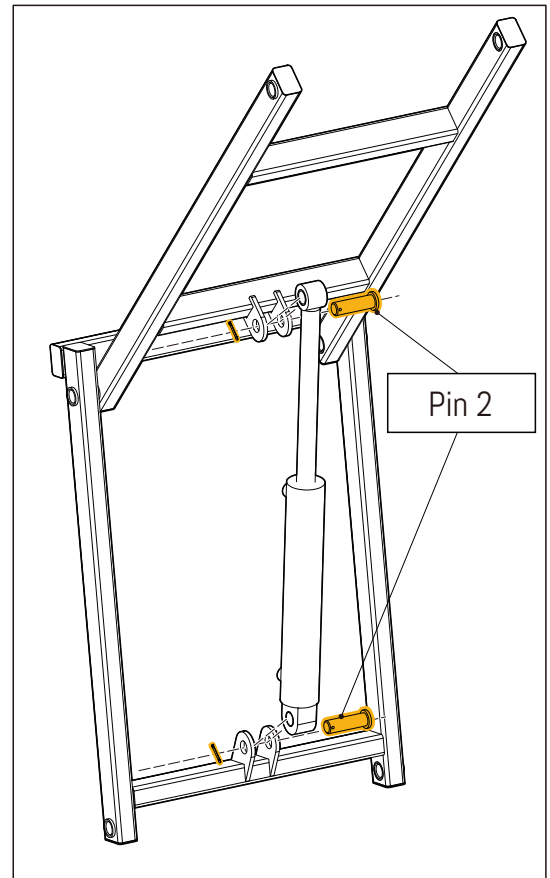
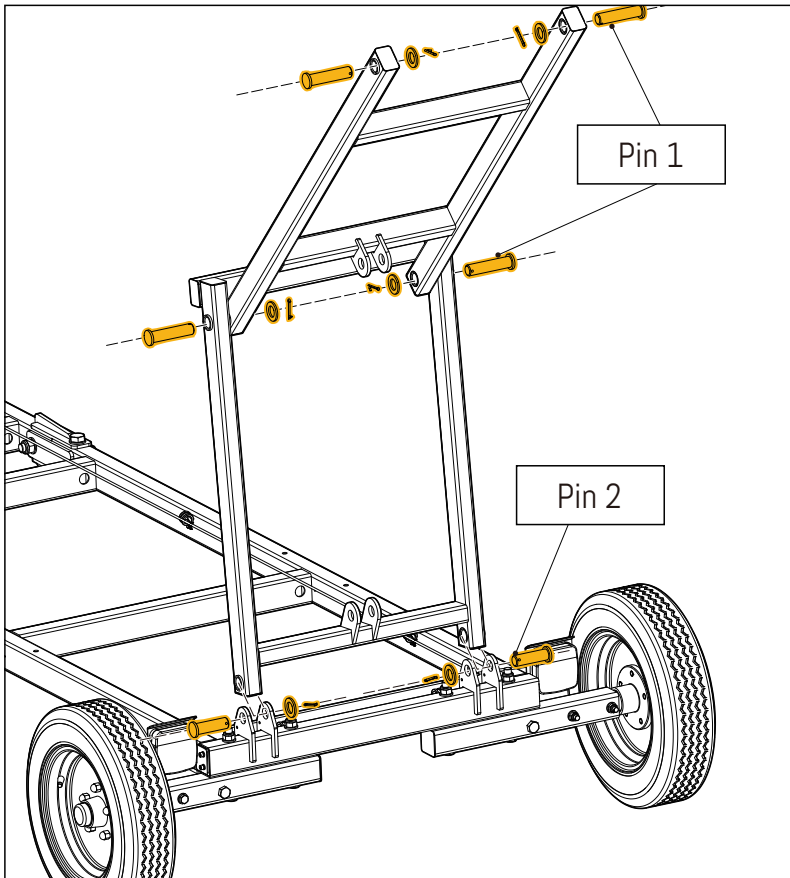


BRACKET ASSEMBLY

Before assembling, please prepare the following parts.

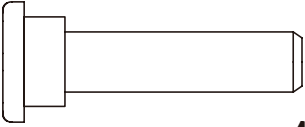
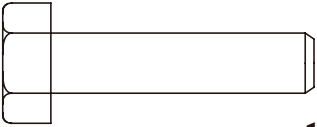
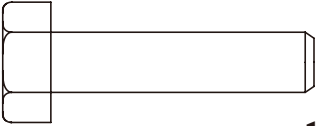
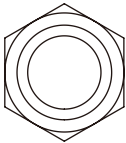
<p>Pin 1</p>	 <p>4X</p>	<p>Cotter Pin 6x40</p>	 <p>8X</p>
<p>Pin 2</p>	 <p>4X</p>	<p>Flat washer C</p>	 <p>6X</p>

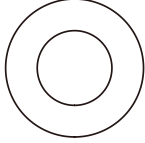
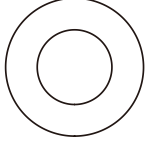
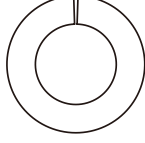
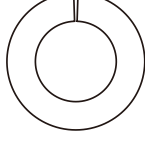
Using pin 2, flat washer C, and cotter pin 6x40, assemble the bracket to the chassis.



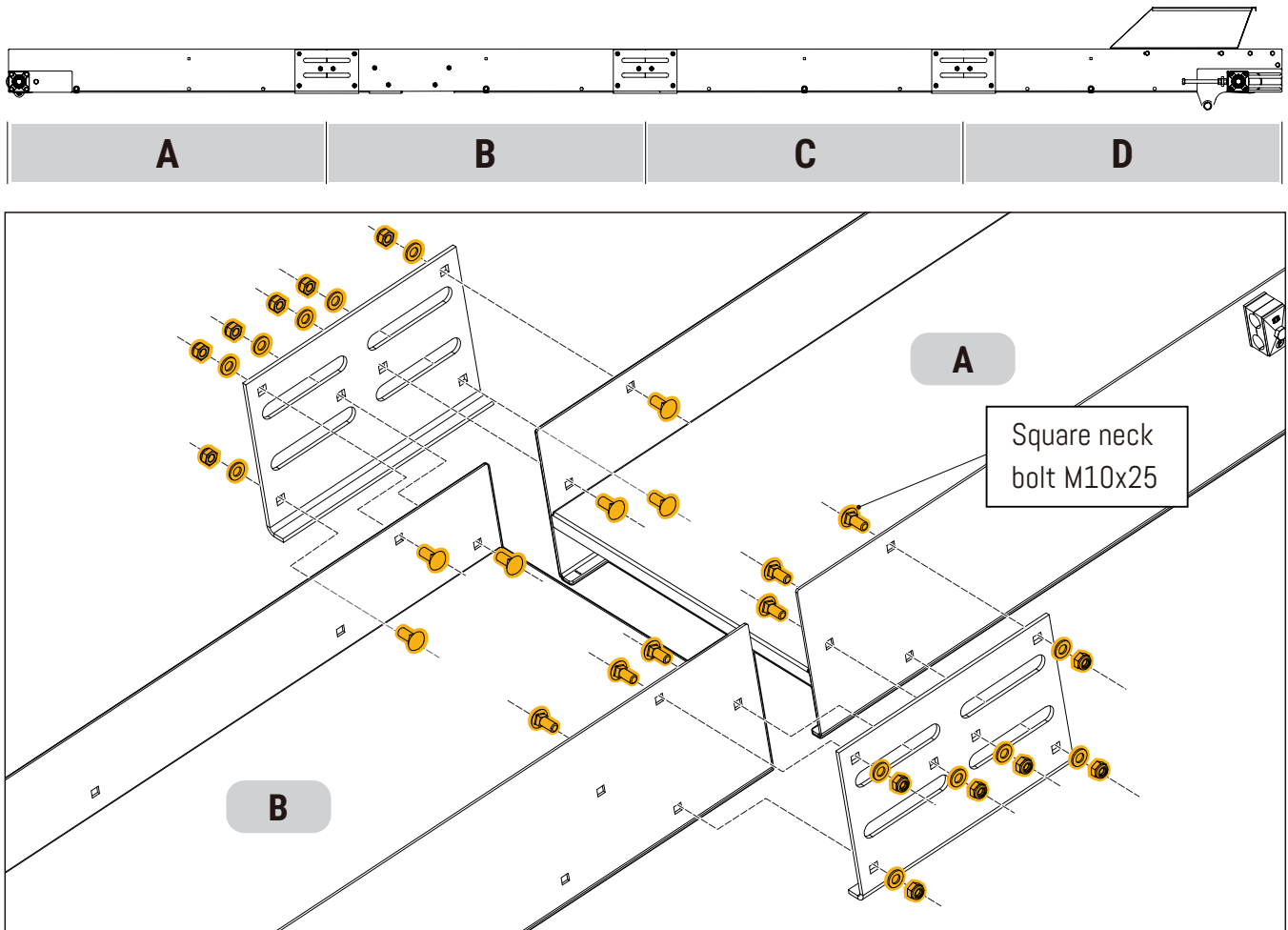
CONVEYOR BELT ASSEMBLY

Before assembling, please prepare the following parts.

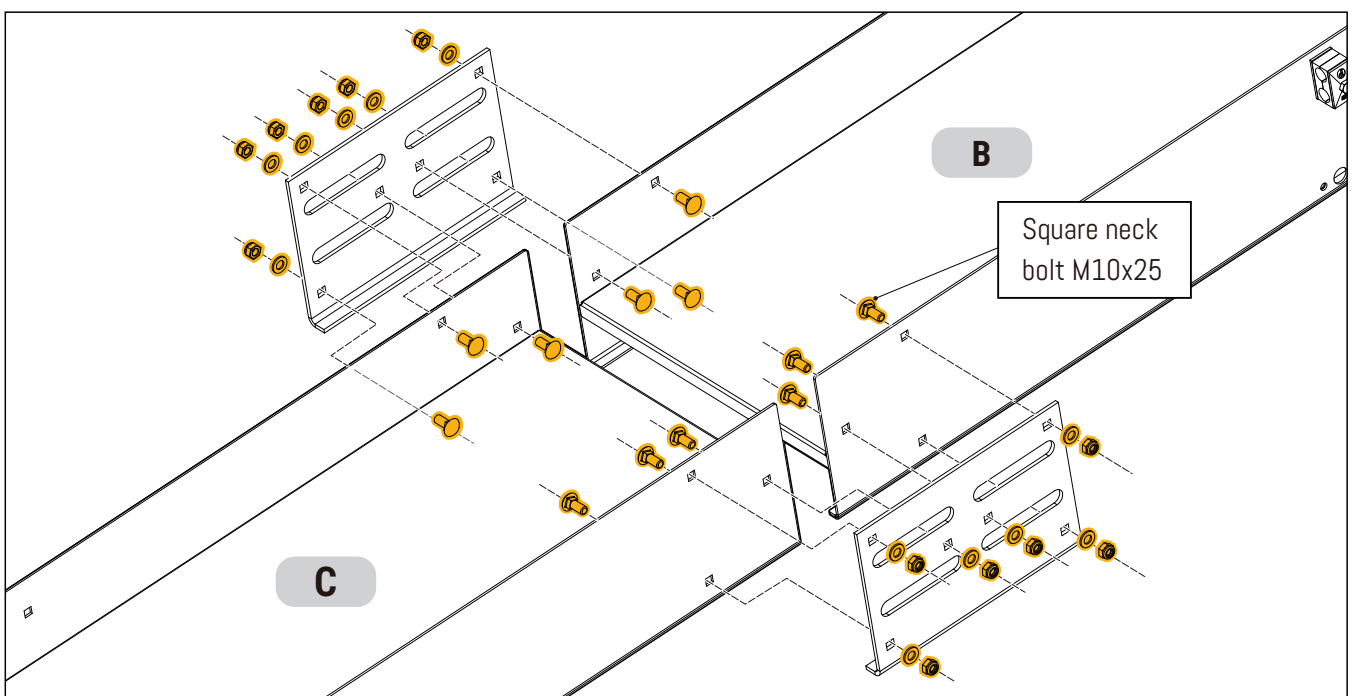
Square neck bolt M10x25		44X
Hex bolt M8x20		10X
Hex bolt M10x20		14X
Hex lock nut M10		44X

Flat washer 10		56X
Flat washer 8		10X
Spring washer 8		10X
Spring washer 10		14X

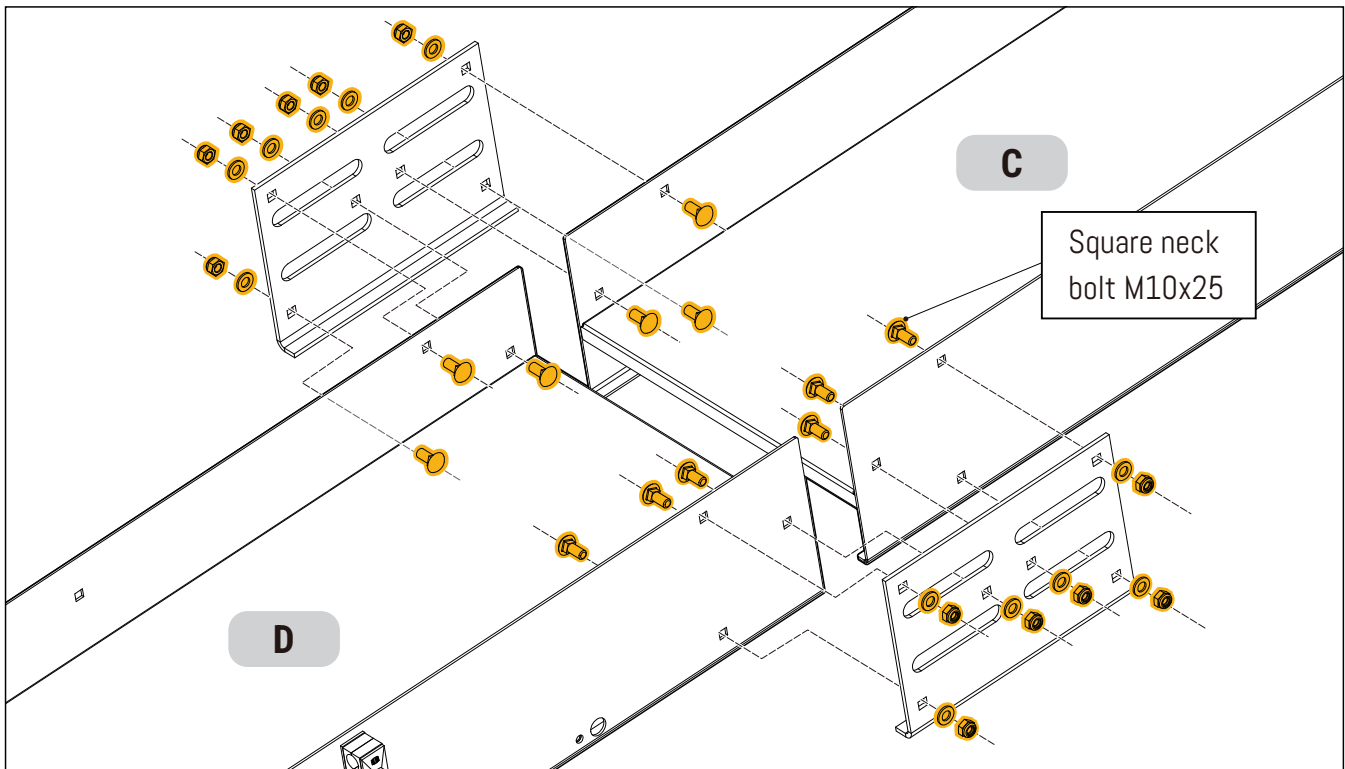
Use Square neck bolt M10x25, Hex lock nut M10 and Flat washer 10 to assemble section A and section B together.



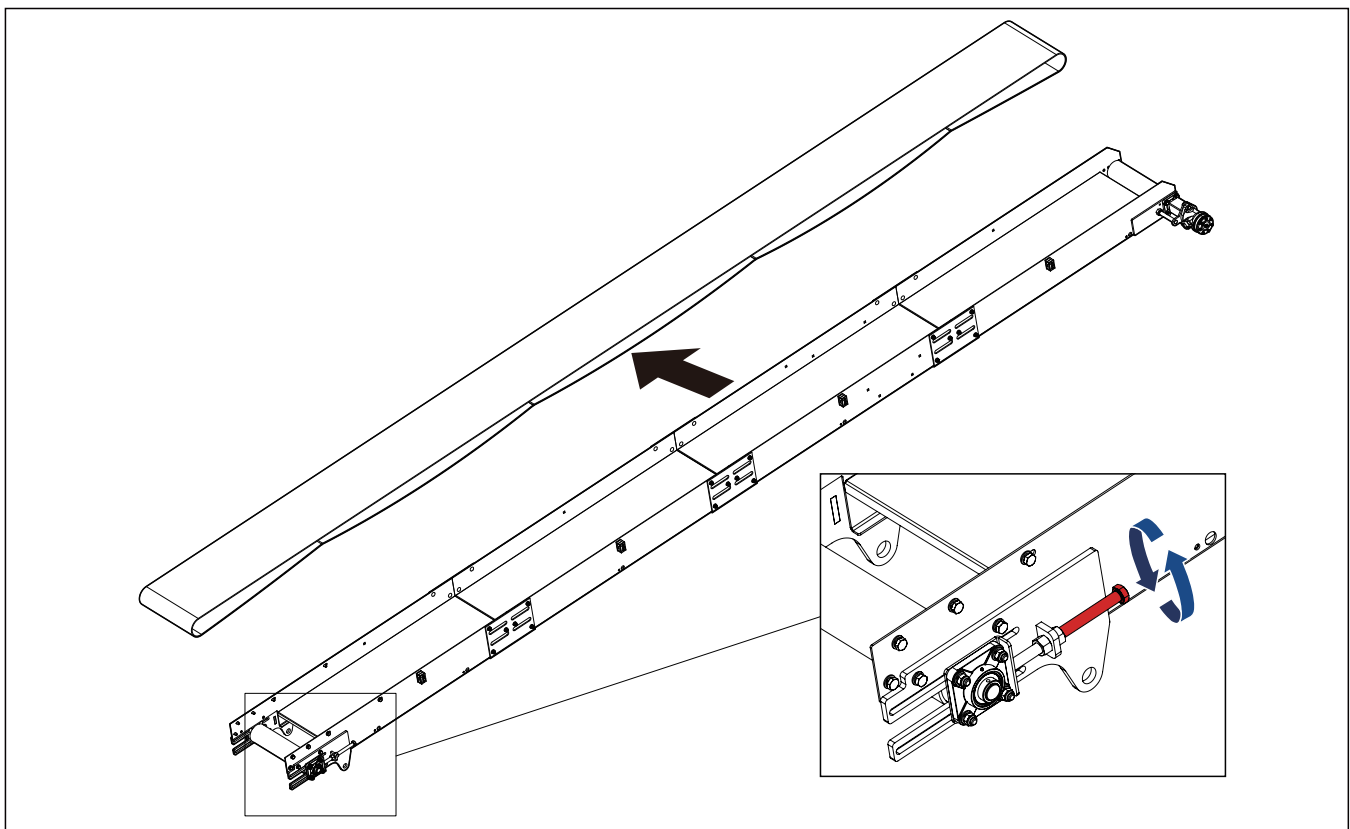
Use Square neck bolt M10x25, Hex lock nut M10 and Flat washer 10 to assemble section B and section C together.



Use Square neck bolt M10x25, Hex lock nut M10 and Flat washer 10 to assemble section C and section D together.

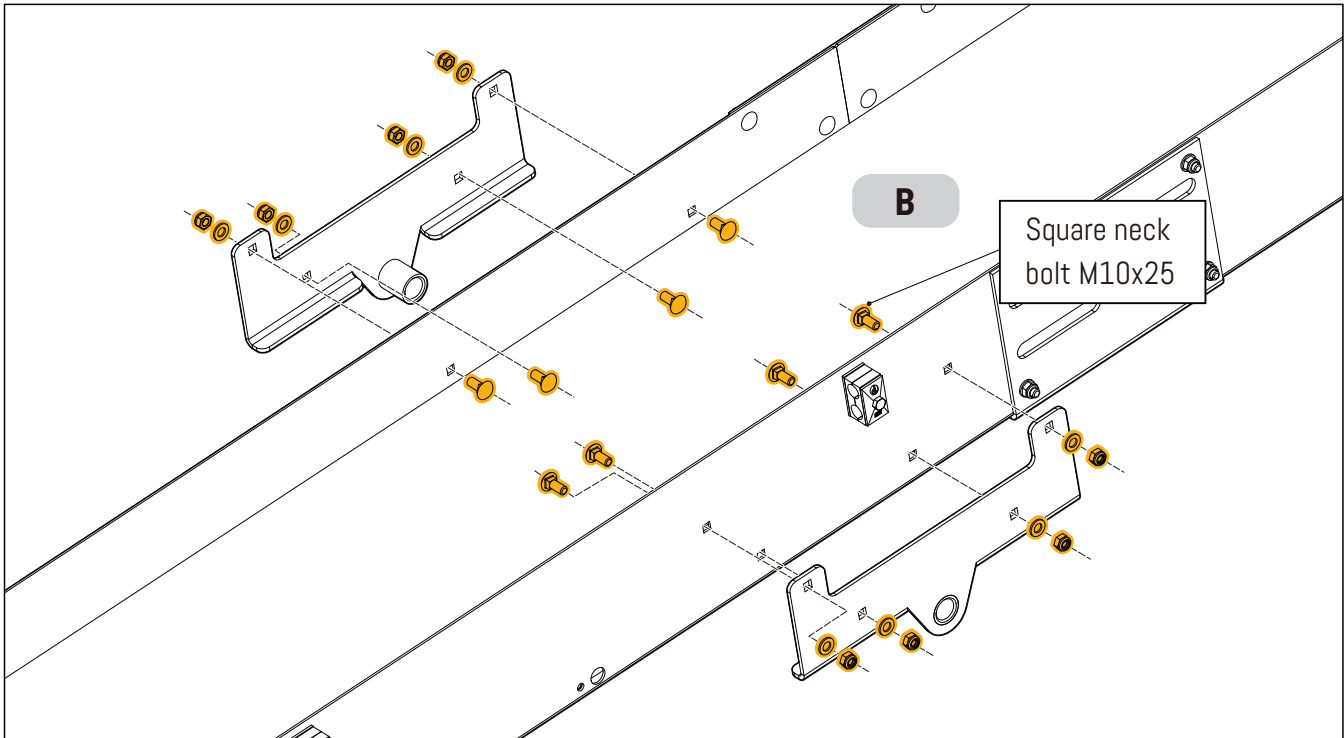


Once the four conveyor belt sections are assembled, assemble the belt to the conveyor belt.

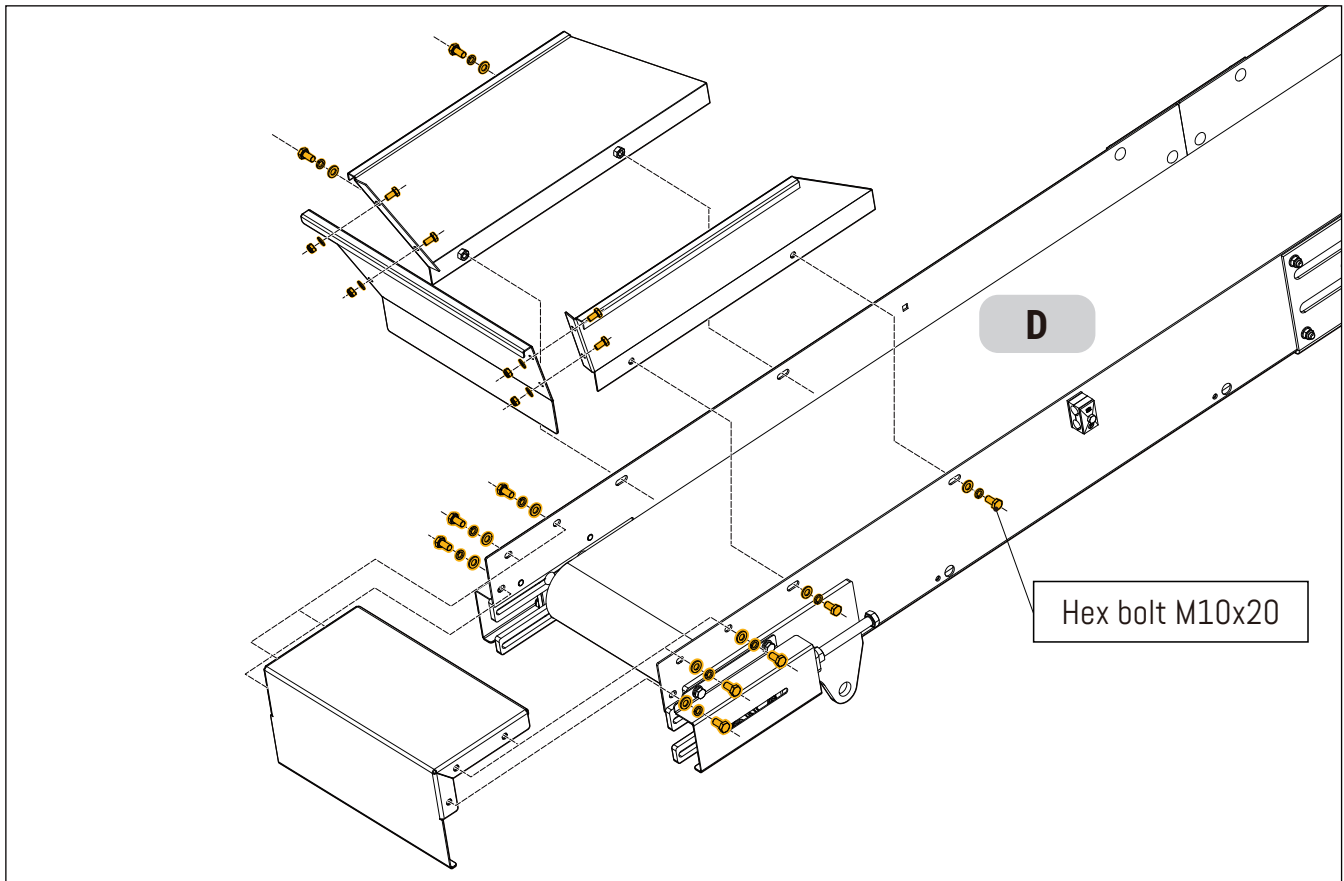


Make adjustments to the belt take-up adjuster bolt to center the belt on the pulley.

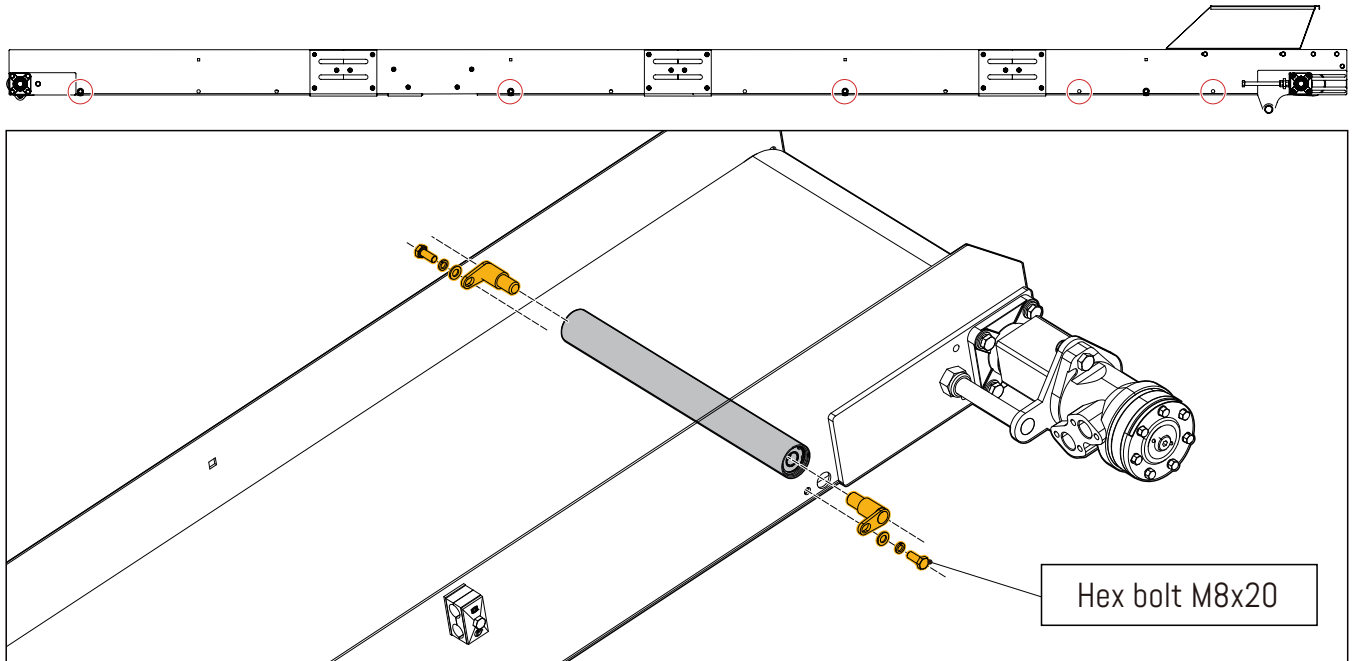
Assemble the support base plate and segment B together using square neck bolts M10 × 25, hexagon socket lock nuts M10 and plain washers 10.



Assemble the hopper and bottom guard to the D section using Hex bolt M10x20, Flat washer 10 and Spring washer 10.

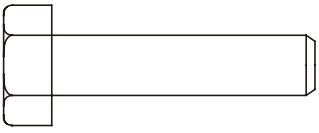



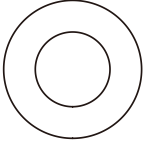
Assemble the roller to the conveyor belt using Hex bolt M8x20, Flat washer 8 and Spring washer 8.
As shown in the figure, the roller needs to be installed at the five red circle positions.



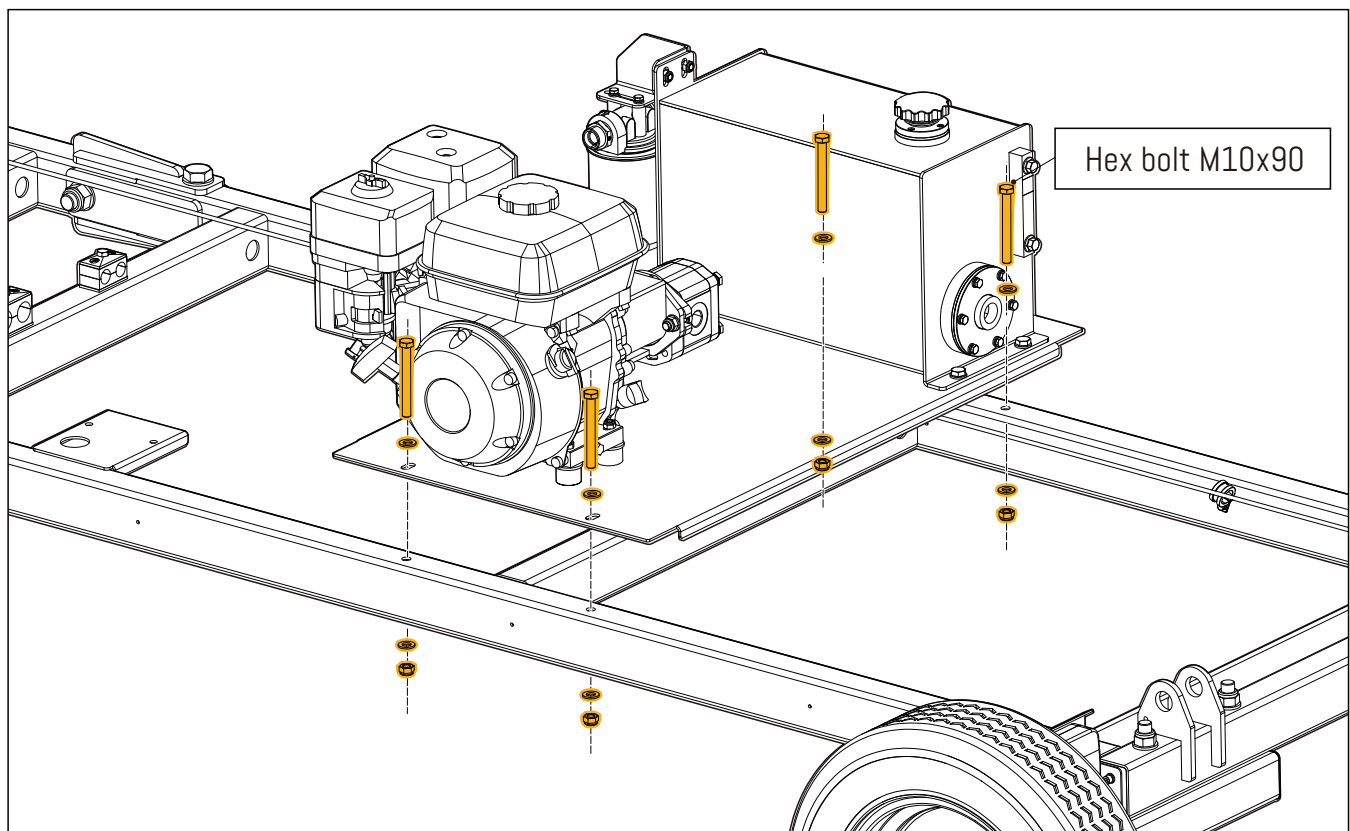
ENGINE AND HYDRAULIC TANK ASSEMBLY

Before assembling, please prepare the following parts.

Hex bolt M10x90	 4X
Hex lock nut M10	 4X

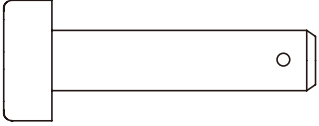
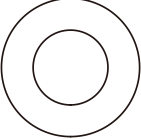


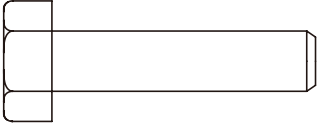
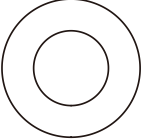
Flat washer 10	 8X
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Assemble the engine and hydraulic tank to the chassis using Hex bolt M10x90, Flat washer 10 and Hex lock nut M10.

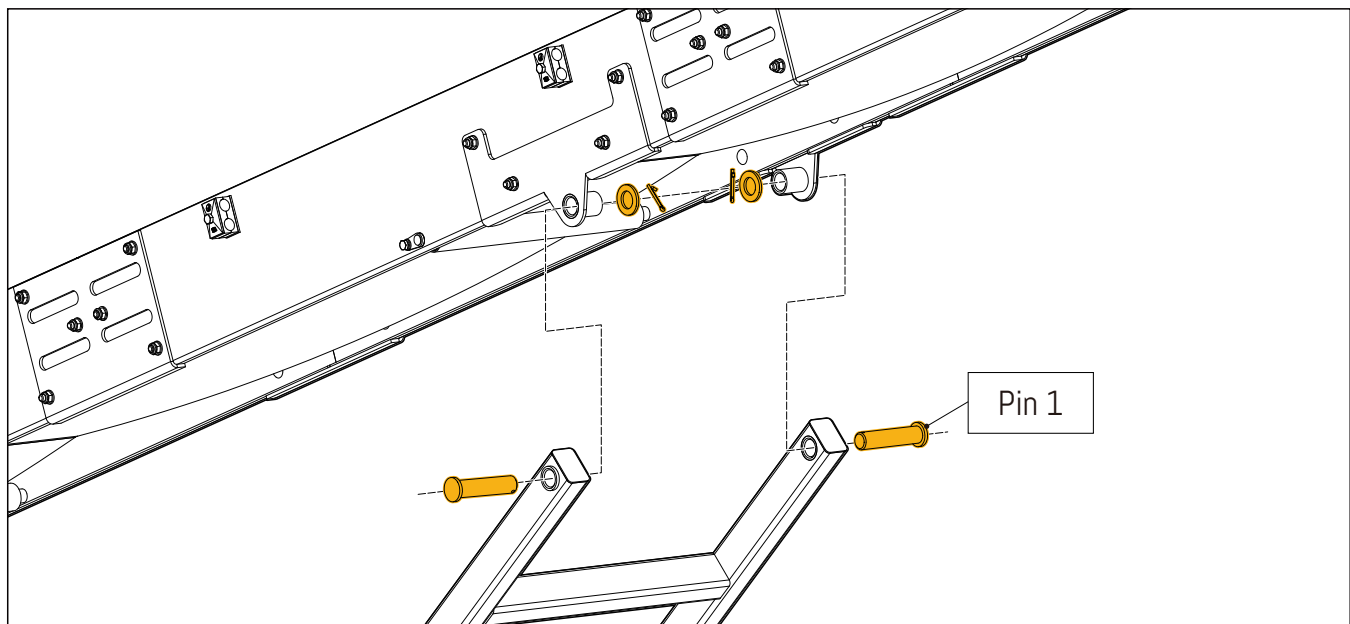


CONVEYOR BELT AND CHASSIS ASSEMBLY

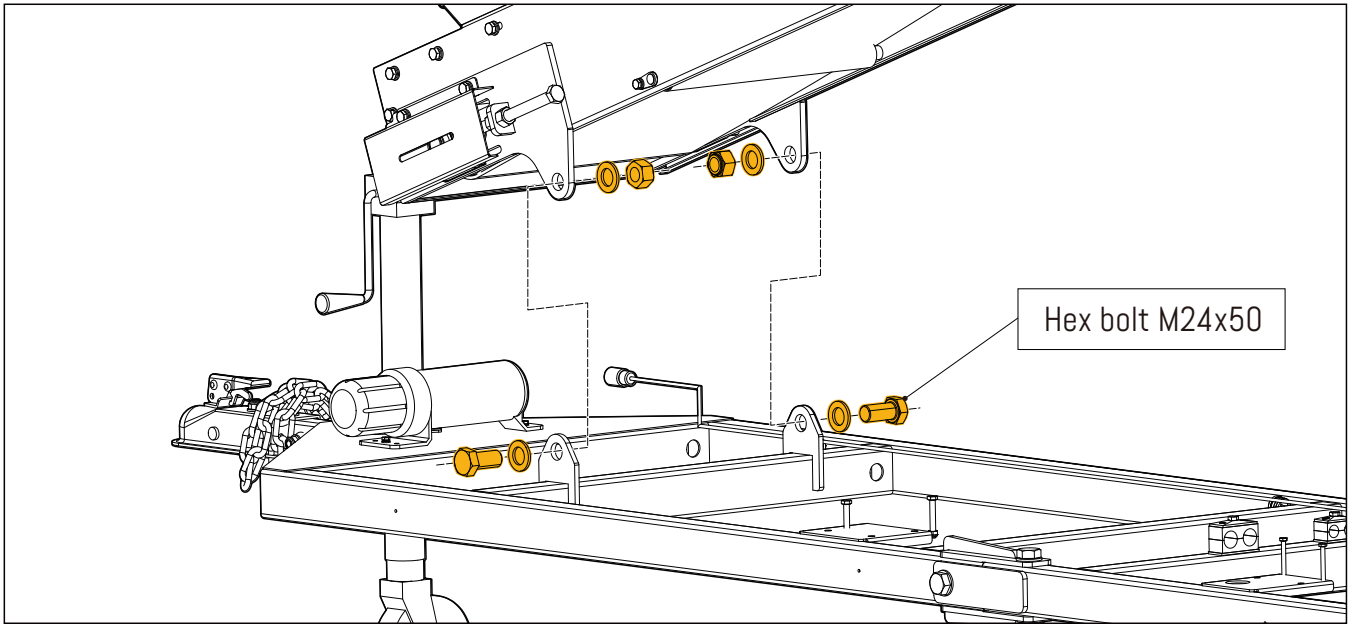
Before assembling, please prepare the following parts.

Pin 1		4X	Flat washer C		6X
Cotter Pin 4x40		6X	Hex lock nut M24		2X
Hex bolt M24x50		2X	Flat washer 24		4X

Assemble the conveyor belt to the lifting bracket using Pin 1, Flat washer C and Cotter Pin 4x40.

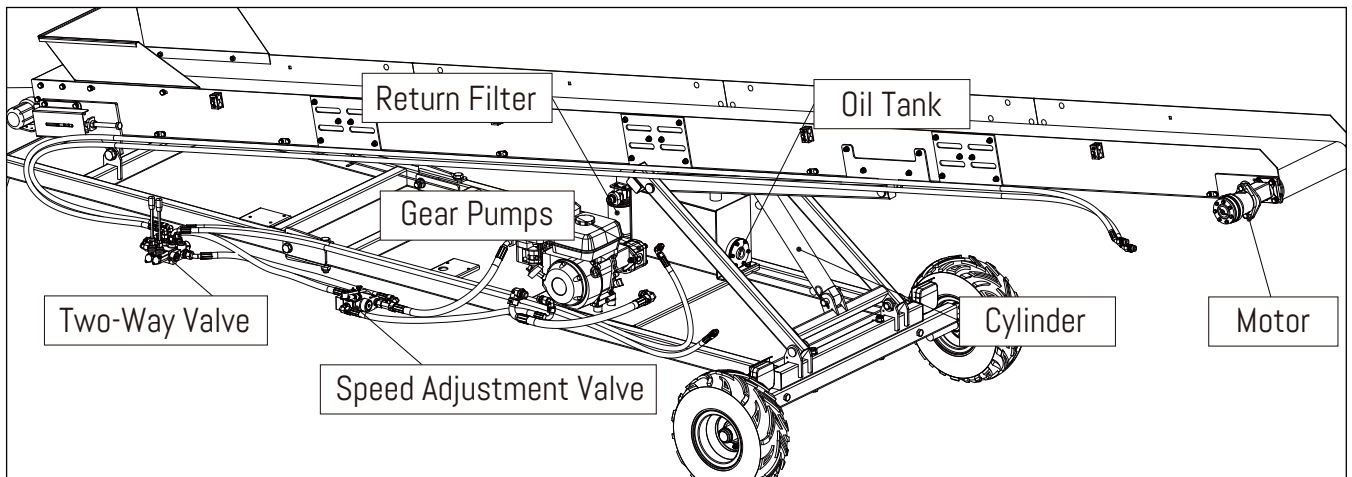


Assemble the conveyor belt to the chassis using Hex lock nut M24, Hex bolt M24x50 and Flat washer 24.

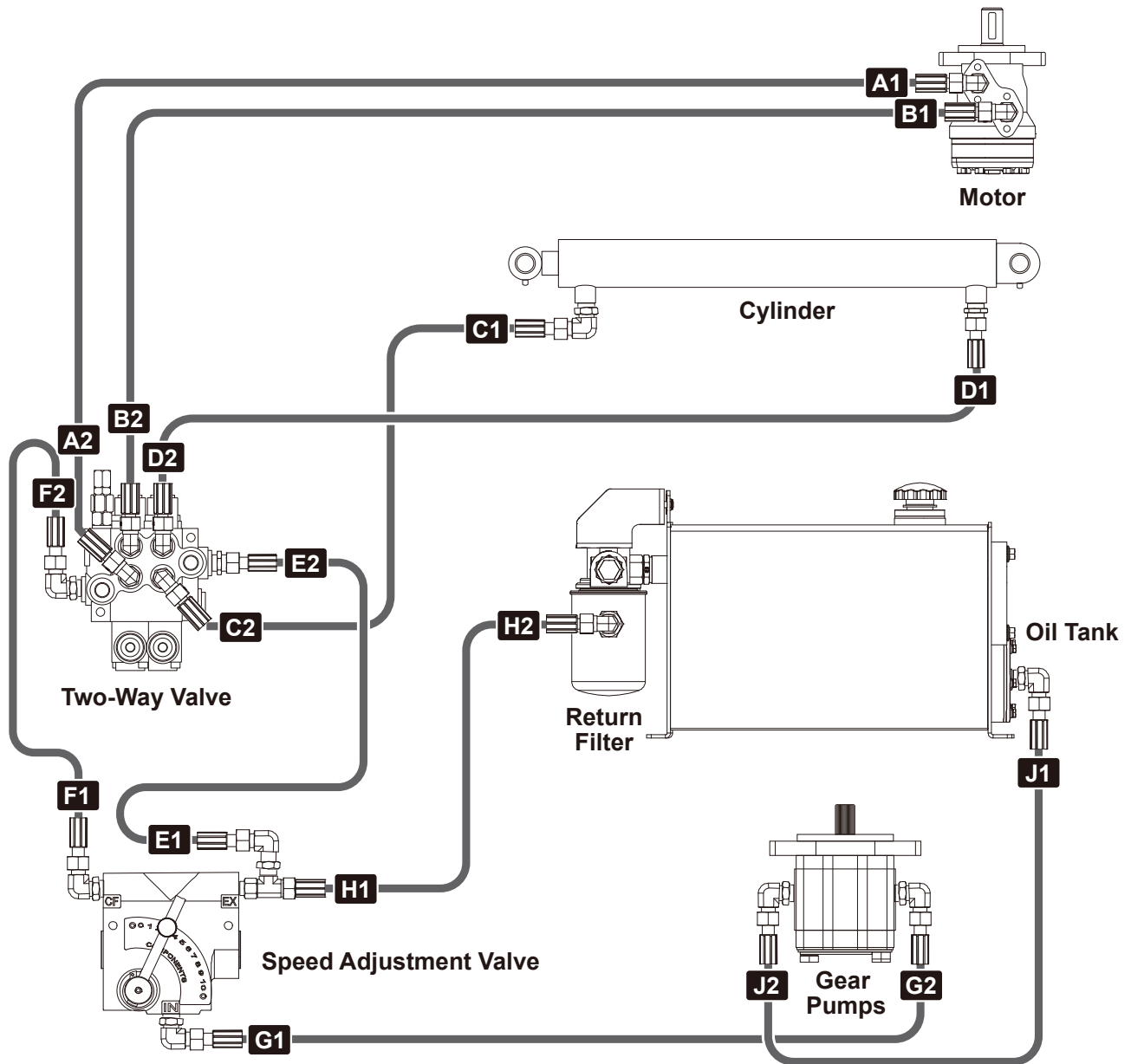


HYDRAULIC SYSTEM ASSEMBLY

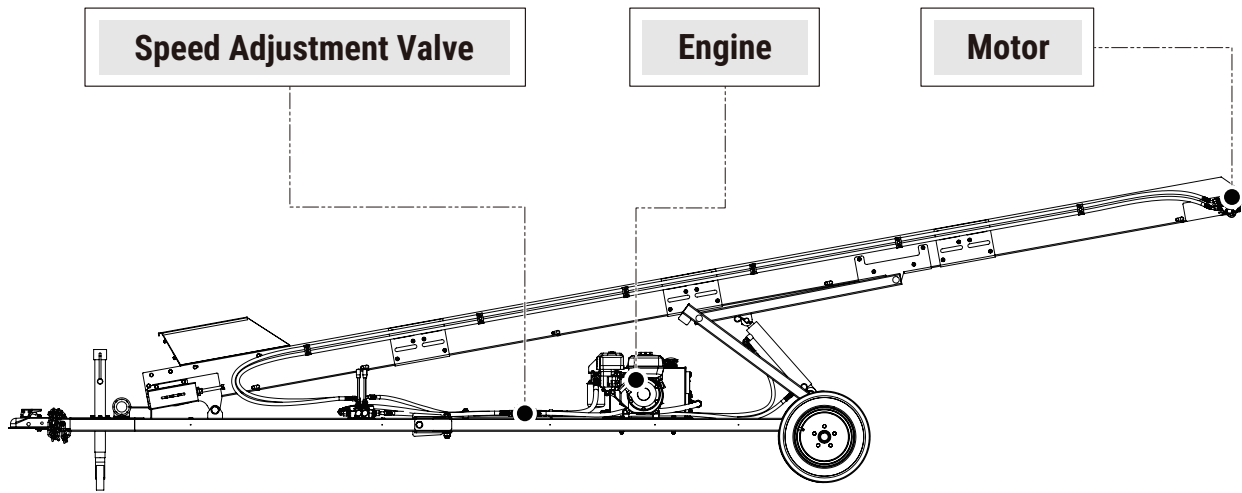
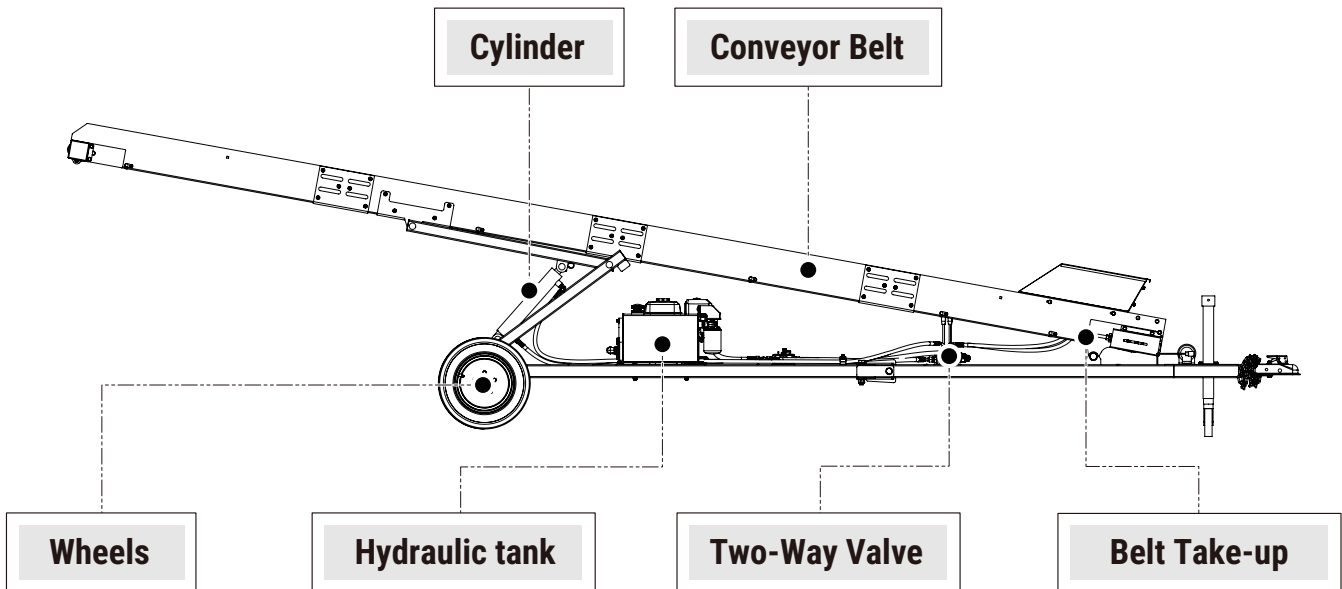
Assemble the hydraulic system as shown in the figure.



Hydraulic system connection diagram.



KNOW YOUR MACHINE



OPERATION



Read and understand all the safety information in this manual before you operate the machine.

The operator is responsible to be familiar with and obey all operating and safety procedures.

OPERATING SAFETY

Do not operate the equipment until you have set up an operating safety zone around the conveyor.

Do not operate the conveyor if it is missing any guard, or other safety device.

Do not reach through any piece of equipment for any reason, whether it is in operation or not.

Do not let unauthorized and untrained individuals on or around the equipment. Never allow anyone to stand under the conveyor, whether it is in operation or not. Maintain the safety zone. Be especially watchful while raising or lowering the bin and or conveyor.

Do not let unauthorized and untrained individuals, especially small children, on, around or near the equipment.

Do not attempt to use the conveyor equipment unless you have been fully trained in its operation.

Operate the conveyor only when your view of the conveyor and the surrounding are clear and unobstructed.

When starting the conveyor, notify all people in the immediate vicinity.

Make sure conveyor is on a stable ground surface and placed as close to level as possible.

Make sure all guards are in place before operating the conveyor

Inspect conveyor for any hazards or interfering objects that may come in contact with the conveyor when starting the conveyor. Make sure all maintenance has been done.

Be careful not to overload the conveyor belt with the material you are trying to move.



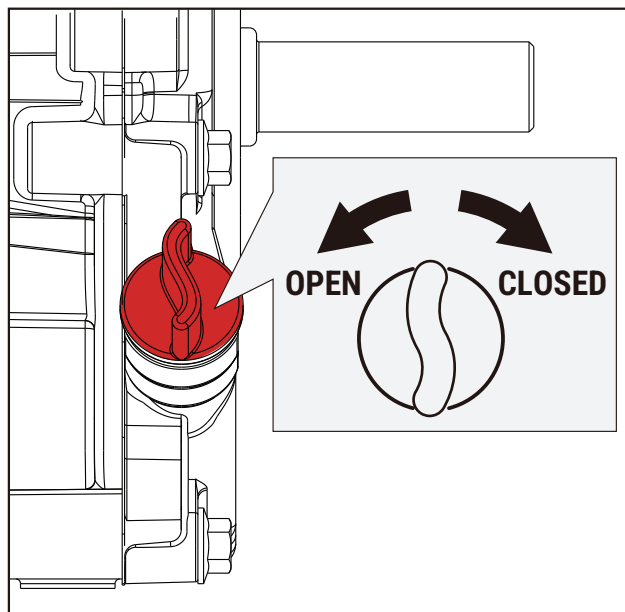
Because of the many moving parts on the conveyor, all personnel in the area of the conveyor need to be warned that the conveyor is about to be started.

ADD OIL TO ENGINE



The engine is shipped without oil. Do not start the engine before adding oil.

1. Make sure the Firewood conveyors is on a flat, level surface.
2. Remove the oil fill cap/dipstick to add oil.



3. Using a funnel, add oil up to the FULL mark on the dipstick. (See engine manual for oil capacity, oil recommendation, and location of fill cap.)



DO NOT OVERFILL. Check engine oil level daily and add as needed.

ADD GASOLINE TO ENGINE



Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling gasoline.



Fill the fuel tank outdoors, never indoors. Gasoline vapors can ignite if they collect inside an enclosure. Explosion can result.

The engine must be off and allowed to cool at least two minutes before adding fuel.

Remove the fuel filler cap and fill the tank. (See engine manual for fuel capacity, fuel recommendation, and location of fuel cap.)



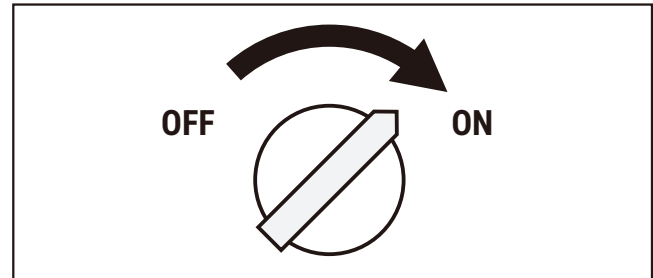
IMPORTANT: DO NOT OVERFILL!

This equipment and/or its engine may include evaporative emissions control system components, required to meet EPA and/or CARB regulations, that will only function properly when the fuel tank has been filled to the recommended level. Overfilling may cause permanent damage to evaporative emissions control system components. Filling to the recommended level ensures a vapor gap required to allow for fuel expansion. Pay close attention while filling the fuel tank to ensure that the recommended fuel level inside the tank is not exceeded. Use a portable gasoline container with an appropriately sized dispensing spout when filling the tank. Do not use a funnel or other device that obstructs the view of the tank filling process.

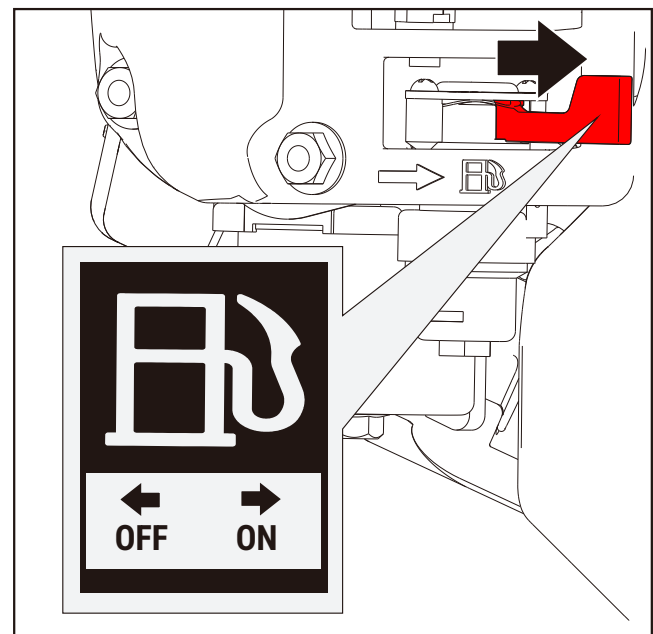
3. Reinstall the fuel cap and tighten. Always clean up spilled fuel.

STARTING ENGINE

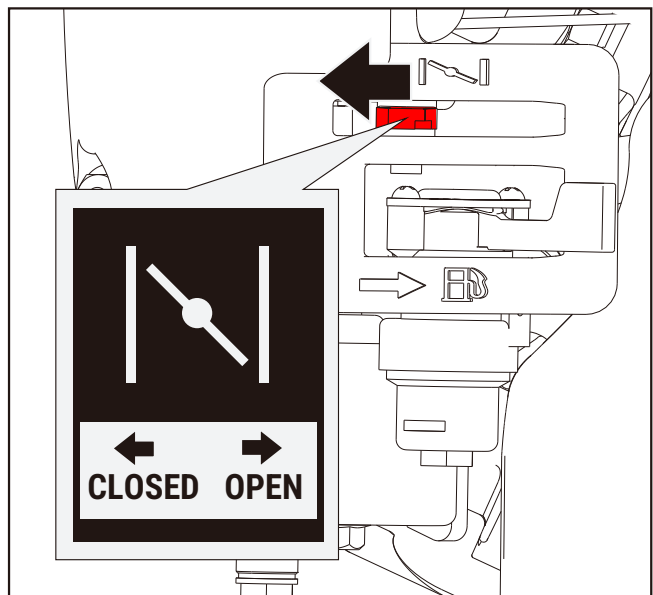
1. Move the engine switch to the ON position.



2. Open the fuel shut-off valve.

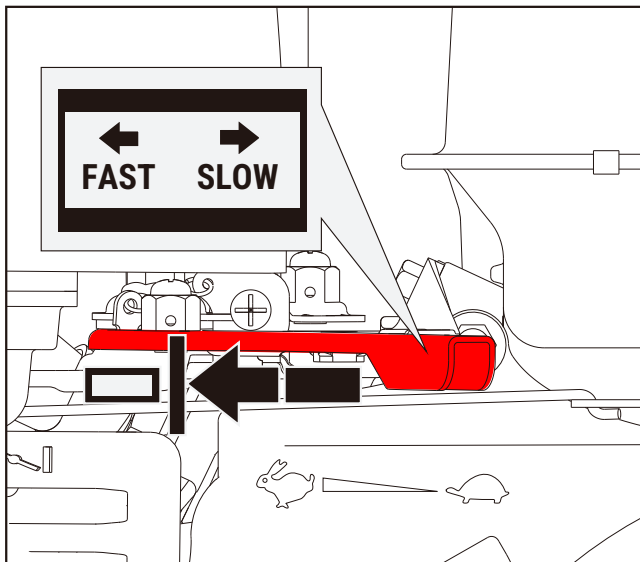


3. Move the choke lever to the CLOSED position.

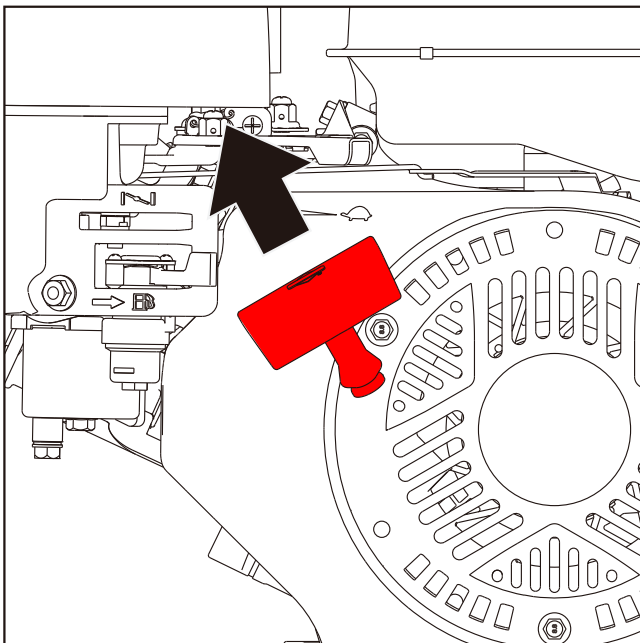


If the engine is hot, closing the choke is not necessary.

4. Move the throttle lever slightly to the FAST speed.



5. Pull the recoil starter until engine compression has become difficult to pull. Let the recoil return to the home position, then pull quickly to start the engine. Repeat steps as needed. Fully open the choke and set the throttle to the FAST position, before operating the unit.



Rapid retraction of the starter cord (kickback) will pull your hand and arm toward the engine faster than you can let go. Broken bones, fractures, bruises, or sprains could result.

If the engine does not start after repeated attempts, contact your local dealer or go to mechmaxx.com.

OPERATING

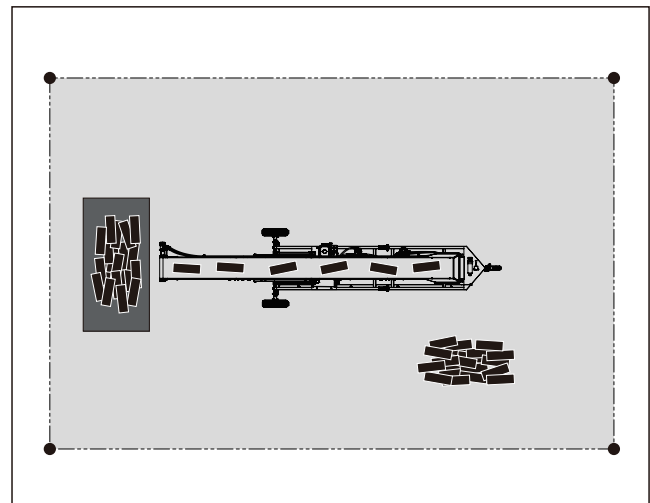


Never start or run the machine inside a closed area. The exhaust fumes are dangerous, containing carbon monoxide, an odorless and deadly gas. Operate this unit only in a well ventilated outdoor area.



Do not adjust the conveyor angle, move or turn the machine while the machine is running or there is firewood on the conveyor belt. Before adjusting the conveyor angle, moving or turning the machine, stop the machine and remove all firewood.

1. Choose a flat location and establish a safe working area.



2. Move the conveyor belt so that the machine points in the direction you want the firewood to be stacked.


3. Block the machine wheels to prevent movement.

4. Adjust the transport angle.

5. Start the machine. For instructions, see Starting Engine on page 14.

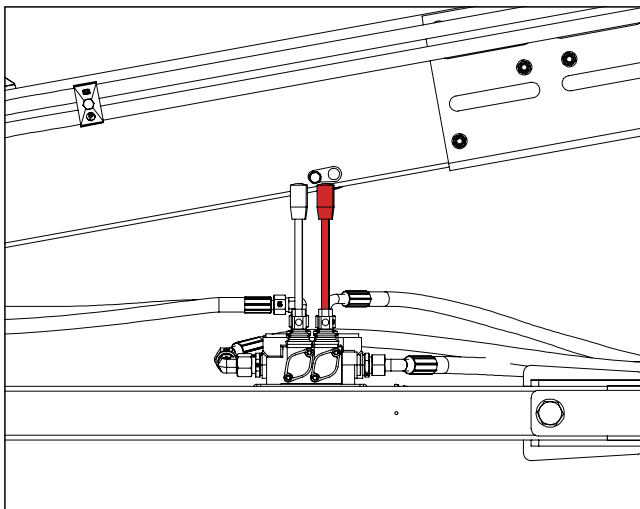
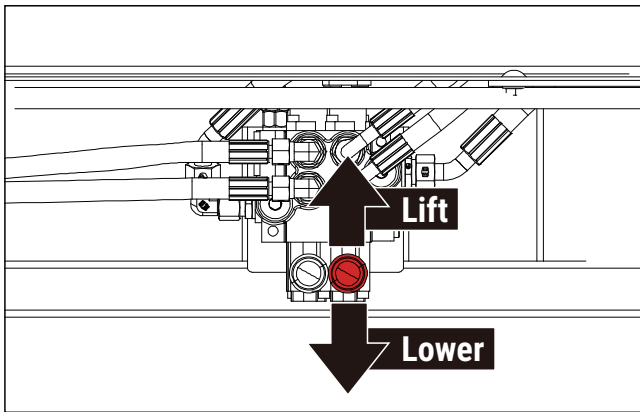
6. Place the firewood on the conveyor belt, do not put too much firewood on the conveyor at one time.

HYDRAULIC ADJUSTMENT OF CONVEYOR ANGLE

 **Do not adjust the conveyor angle when the machine is on or there is firewood on the conveyor.**

As shown in the figure, the conveyor angle is adjusted by the handle.

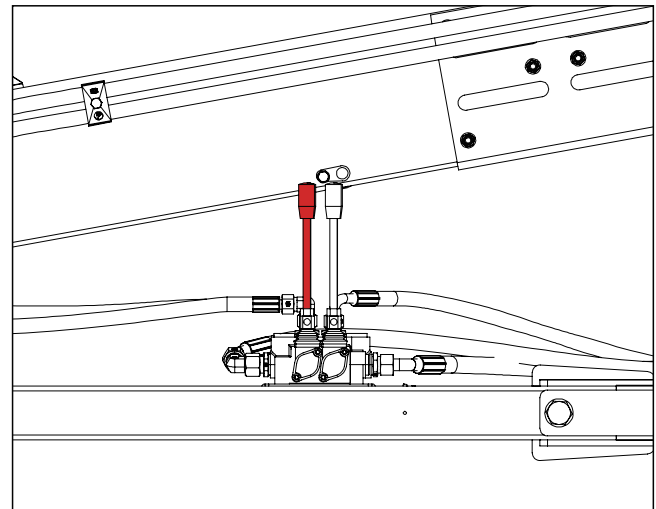
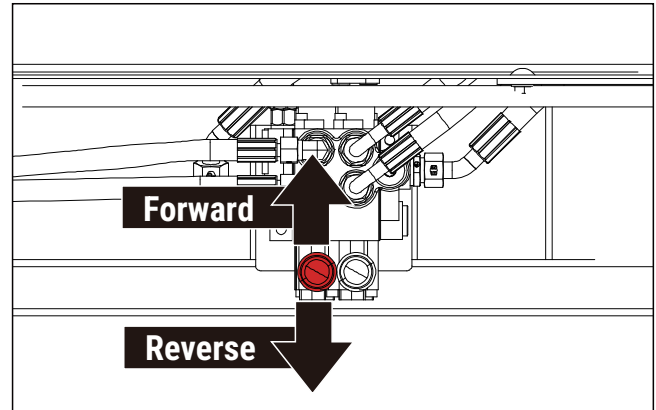
Push the adjustment rod forward to increase the conveyor belt angle, and push the adjustment rod backward to decrease the conveyor belt angle.




HYDRAULIC CONTROL OF THE DIRECTION OF TRANSMISSION

As depicted in the figure, the direction of the conveyor belt is regulated by the handle.

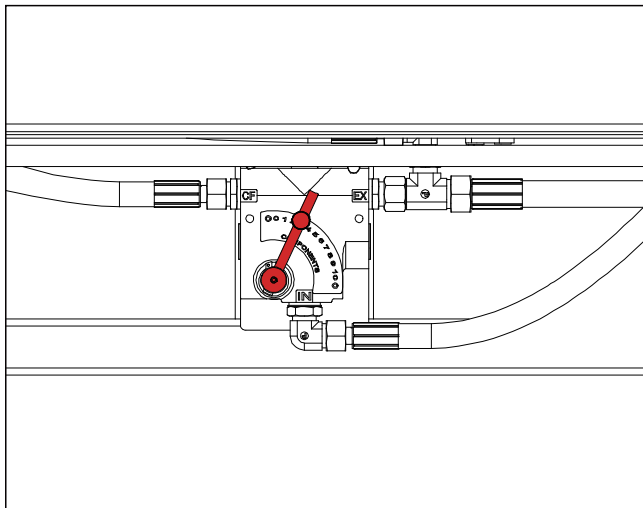
When you push the adjustment lever forward, the conveyor belt moves in an upward - transport direction. Conversely, when you push the adjustment lever backward, the conveyor belt transports downward.



HYDRAULICALLY CONTROLLED CONVEYOR SPEED

 **Do not adjust the conveyor speed when there is firewood on the conveyor belt. Stop the machine and remove all firewood before adjusting the conveyor speed.**

Conveyor speed indication, "0" is slowest and "9" is fastest.



IDLE SPEED

Set the throttle control lever to the SLOW position to reduce stress on the engine when chipping is not being performed. Lowering the engine speed will help extend the life of the engine, as well as conserve fuel and reduce noise level.

STOP ENGINE

To stop the engine in an emergency, simply turn the engine switch to the OFF position. Under normal conditions, use the following procedure:

1. Move the throttle lever to the SLOW (👉) position.
2. Let the engine idle for one or two minutes.
3. Turn the engine switch to the OFF position.
4. Turn the fuel valve lever to the OFF (🚫) position.



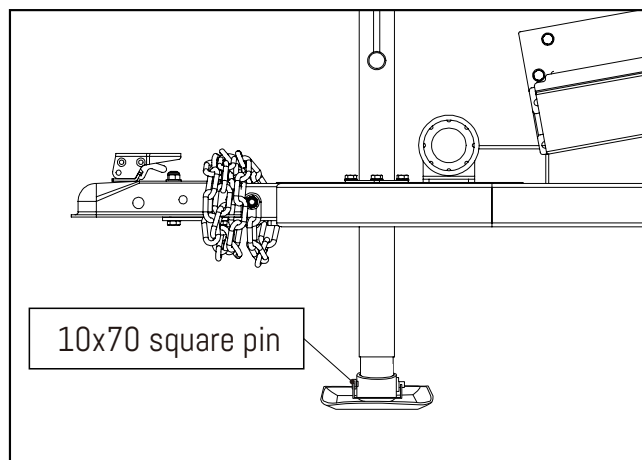
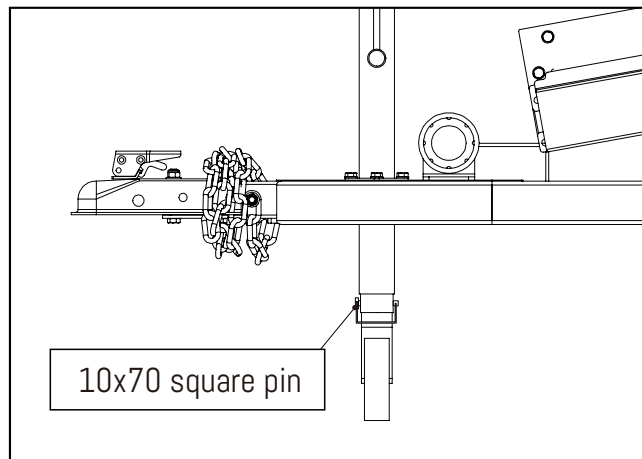
Sudden stopping at a high speed under a heavy load is not recommended. Engine damage may result.



Do not move the choke control to CLOSE to stop the engine. Backfire or engine damage may occur.

SUPPORT JACK

Remove the jack wheel and assemble the base plate to the jack using a 10x70 square pin.



TRANSPORT

TRANSPORT SAFETY

- Do not allow people to ride on the machine.
- Do not exceed a safe speed.
- Reduce speed on rough terrain and when turning.
- Plan your route to avoid heavy traffic.
- Do not transport or move the machine with the engine running.
- Make sure the fuel cap is on and tight.
- Make sure all guards and shields are installed and guards are closed.
- Clear all debris from the machine.
- Check tires for cuts or damage.

TOWING

- Requires a 2 inch ball for towing.
- Be sure conveyor is set at towing position with jack pressure screw released.
- Make sure conveyor is empty no debris or material that may fall off.
- Use safety chains while traveling.
- Use safety flags to properly mark conveyor while traveling on road.
- Support legs should be raised completely and secured with the locking bolts.
- Raise the hitch by turning jack to a height higher than the ball on the receiver (always use a 2"ball).
- With latch in raised position on the hitch of the conveyor, center ball directly underneath. Once in position lower the conveyor onto ball completely. Latch hitch being sure it is latched completely. Attach safety chains to receiver.
- Pull pin from jack and put in horizontal position and reattach pin.

MAINTENANCE

MAINTENANCE PRECAUTIONS



Make sure engine is shut off and hydraulic system is depressurized before you perform any maintenance. Make sure hydraulic oil has cooled.

If any part of the protective structure is affected by a plastic deformation and/or rupture, the protective structure must be replaced according to manufacturer's specifications.

1. Turn off the engine and release all control levers. The engine must be cool.
2. Keep the engine's throttle lever in the slow position, remove the spark plug wire from the spark plug and secure it.
3. Check for loose screws, misalignment or sticking of moving parts, cracked or broken parts, and any other conditions that may affect its safe operation.
4. Use a soft brush, vacuum cleaner or compressed air to remove all contaminants from the machine. Then lubricate all moving parts with high-quality light oil.
5. Check the spark plug wire regularly for signs of wear and replace it if necessary.

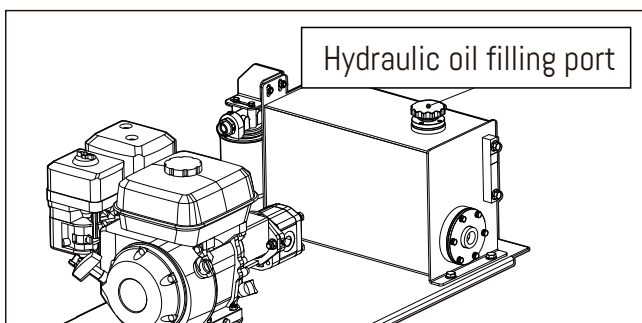
HYDRAULIC OIL

Change hydraulic oil and filter after every 200 hours of operation, or once a season.

AW-46 grade is recommended and should be changed two inches below the top of the reservoir.

Note: If the hydraulic oil becomes contaminated, it should be changed immediately to prevent damage to the system.

Unless you are trained to repair hydraulic systems, you must have a qualified person repair the system.



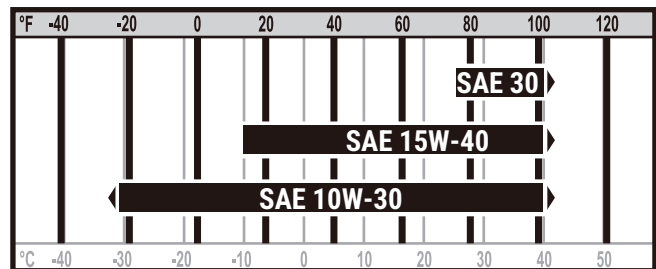
After the hydraulic oil tank is filled to the marked level, the equipment needs to be started to allow the hydraulic oil to fill the pipeline, and then the hydraulic oil is refilled to the marked level.

ENGINE OIL

First change after first 5 hours of operation.

Regular changes after every 20 hours of operation.

The outdoor temperature determines the necessary engine oil viscosity. Use the following chart as a guide:



RECOMMENDED FUEL

Unleaded gasoline

Pump octane rating 86 or higher.

This engine is certified to operate on unleaded gasoline. Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life.



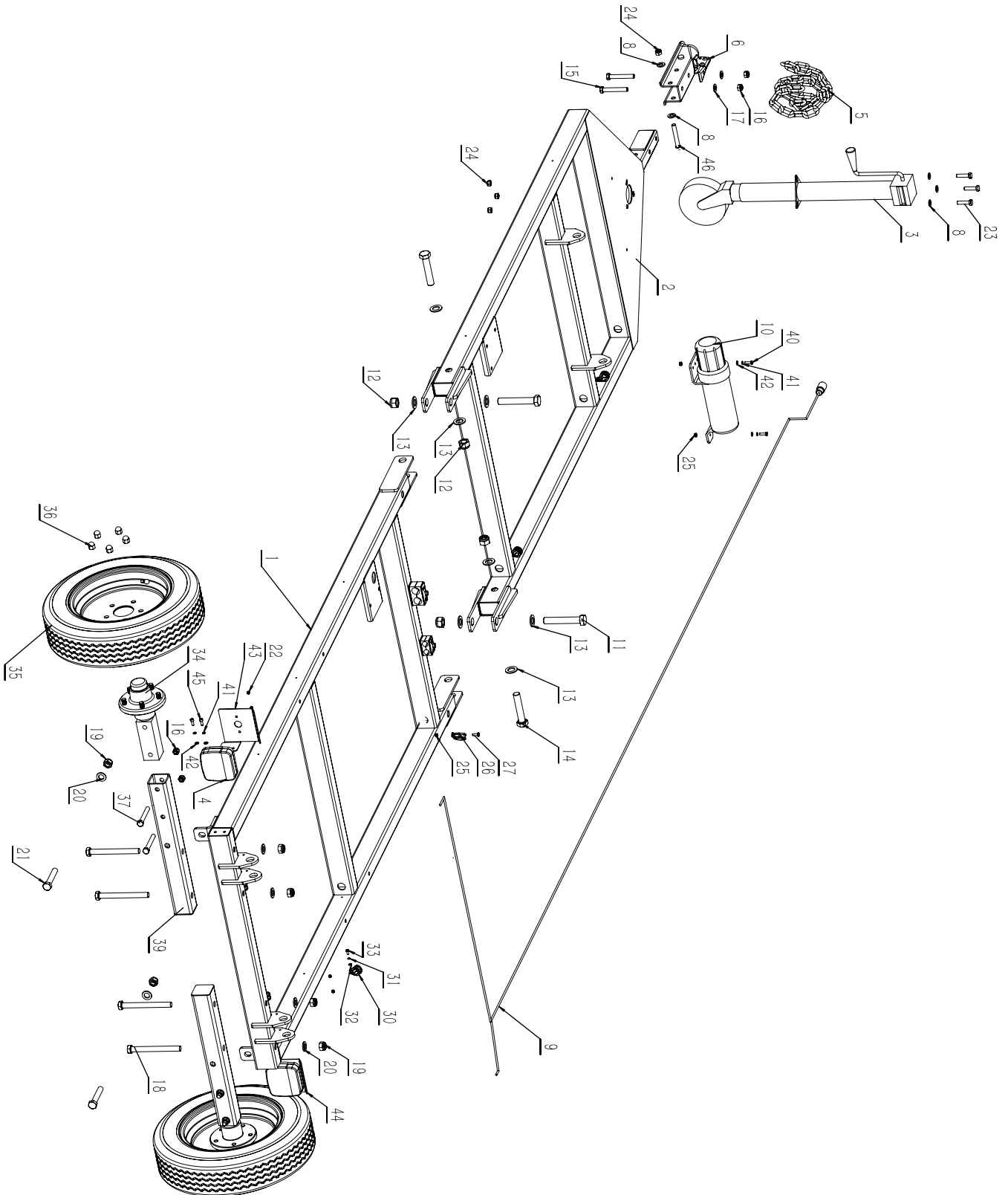
Gasoline is highly flammable and explosive, and you can be burned or seriously injured when refueling.

- Stop engine and keep heat, sparks, and flame away.
- Refuel only outdoors.
- Wipe up spills immediately.

MAINTENANCE INTERVAL CHART

COMPONENT	SUGGESTED ACTION	WEEKLY	MONTHLY	QUARTERLY
MOTOR	Check Noise		✓	
	Check Temperature	✓		
	Check Mounting Bolts		✓	
REDUCER	Check Noise		✓	
	Check Temperature		✓	
	Check Oil Level			✓
BELT	Check Tracking	✓		
	Check Tension		✓	
	Check Lacing		✓	
HYDRAULICS	Check for any leaks	✓		
	Check Oil Level in Reservoir		✓	
	Check for Loose fittings - tighten		✓	
BEARINGS	Check Noise		✓	
	Check Lubrication			✓
	Check Mounting Bolts			✓
STRUCTURAL	General Check: All loose bolts, etc. tightened		✓	

PARTS DIAGRAM



PARTS LIST

No.	DESCRIPTION	QTY
1	Chassis Welding Assembly 1	1
2	Chassis Welding Assembly 2	1
3	Trailer Jack	1
4	Wood Splitter Tail Light	2
5	Chain	1
6	Trailer Connector	1
8	Flat Washer 10	11
9	Tail Light Wire	1
10	Large Document Bucket	1
11	Full Thread Hexagon Head Bolt M20×120	2
12	Hexagon Thin Lock Nuts with Non - Metallic Insert M20	4
13	Flat Washer 20	8
14	Full Thread Hexagon Head Bolt M20×100	2
15	Hexagon Head Bolt M12×80	3
16	Hexagon Thin Lock Nuts with Non - Metallic Insert M12	7
17	Flat Washer 12	4
18	Hexagon Head Bolt M16×160	4
19	Hexagon Thin Lock Nuts with Non - Metallic Insert M16	6
20	Flat Washer 16	6
21	Hexagon Head Bolt M16×100	2
22	Hexagon Thin Lock Nuts with Non - Metallic Insert M5	4
23	Full Thread Hexagon Head Bolt M8×25	3
24	Hexagon Thin Lock Nuts with Non - Metallic Insert M10	7
25	Hexagon Thin Lock Nuts with Non - Metallic Insert M6	3
26	Wire Clip	1
27	Full Thread Hexagon Head Bolt M6×16	1
28	(RBP)	1
29	Full Thread Hexagon Head Bolt M10×90	4
30	Trailer Clamp R - type	6
31	Spring Washer 5	6
32	Flat Washer 5	6

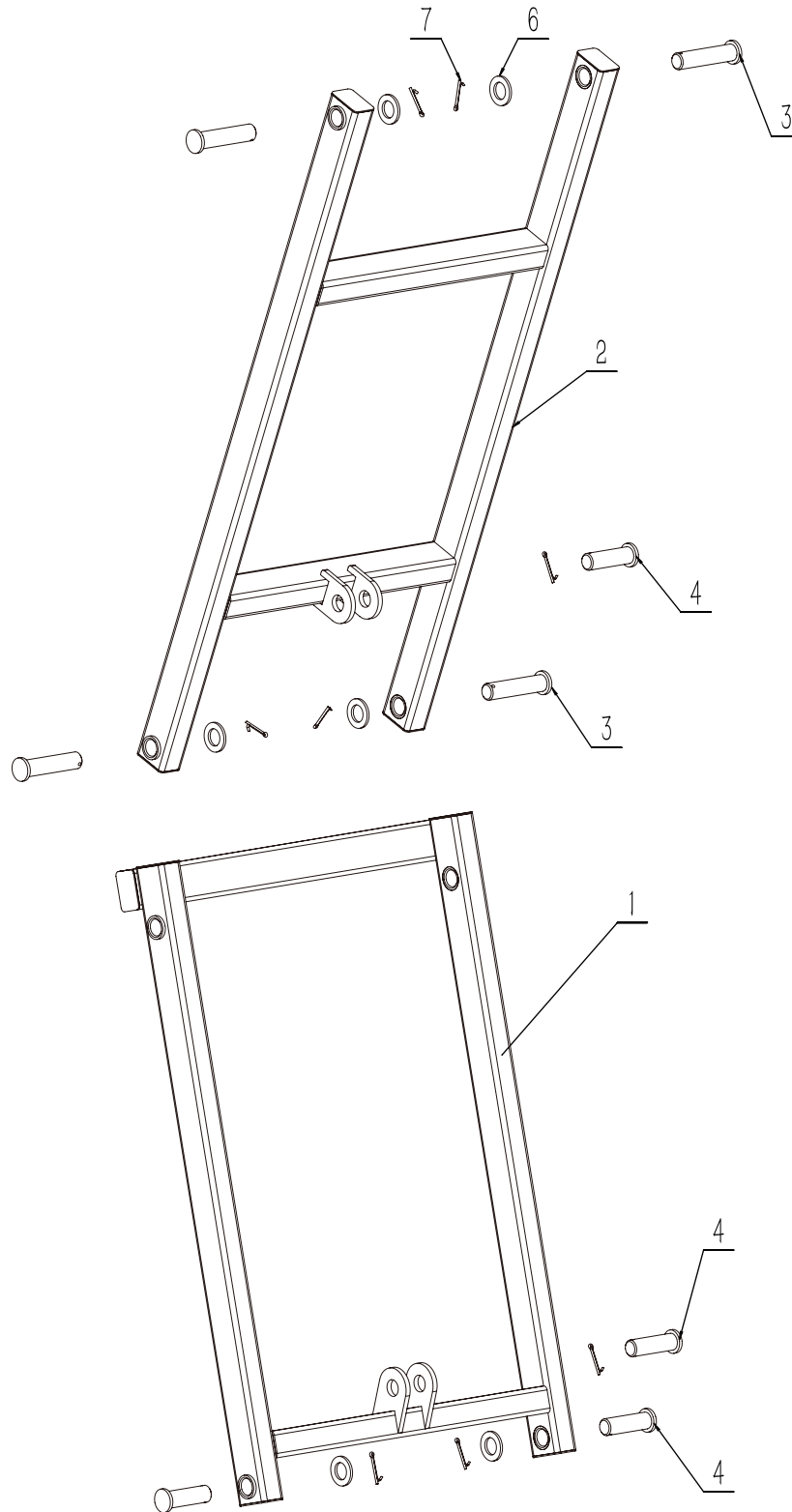
No.	DESCRIPTION	QTY
33	Full Thread Hexagon Head Bolt Class C M5×12	6
34	Wheel Hub Half - Axle	2
35	Tire	2
36	Wheel Hub Nut M12	10
37	Hexagon Head Bolt M12×80	4
39	Wheel Axle Square Tube Welding Assembly	2
40	Hexagon Head Bolt M6×20	2
41	Spring Washer 6	6
42	Flat Washer 6	6
43	Tail Light Bracket L	1
44	Tail Light Bracket R	1
45	Socket Head Cap Screw M6×16	4
46	Hexagon Head Bolt M10×80	1

PARTS LIST

No.	DESCRIPTION	QTY
1	Hexagon Thin Lock Nuts with Non - Metallic Insert M10	10
2	Flat Washer 10	14
3	Full - thread Hexagon Head Bolt M6×16	9
4	Hexagon Thin Lock Nuts with Non - Metallic Insert M6	1
5	Full - thread Hexagon Head Bolt M10×90	4
6	Wire Clip	1
7	Spring Washer 6	8
8	Flat Washer 6	8
9	Engine	1
10	Engine Woodruff Key	1
11	Hydraulic Pump	1
12	Pump Bracket Welding Assembly	1
13	Coupling - Spline (6.5HP - Long Model)	1
14	Protective Cover	1
15	Spring Washer 8	5
16	Full - thread Hexagon Head Bolt M8×16	3
17	Flat Washer 8	7
18	Full - thread Hexagon Head Bolt M10×35	2
19	Hexagon Head Bolt M8×25	4
20	Hexagon Thin Lock Nuts with Non - Metallic Insert M8	6
21	Extra - large Washer 10	4
22	Hexagon Head Bolt M8×55	4
23	Engine Rubber Pad	4
24	Fuel Tank Welding Assembly	1
25	Oil Outlet Flange	1
26	Flange Rubber Gasket	1
27	Hexagon Pipe Plug with Pipe Thread G3/8A	1
28	Combined Washer	1
29	Return Oil Filter Bracket	1
30	Filter	1
31	Elbow Connector	1
32	Straight Connector	2

No.	DESCRIPTION	QTY
33	Straight Connector	1
34	Suction Filter	1
35	Level Gauge	1
36	Air Filter	1
37	Full - thread Hexagon Head Bolt M10×25	4
38	Engine Mounting Plate	1

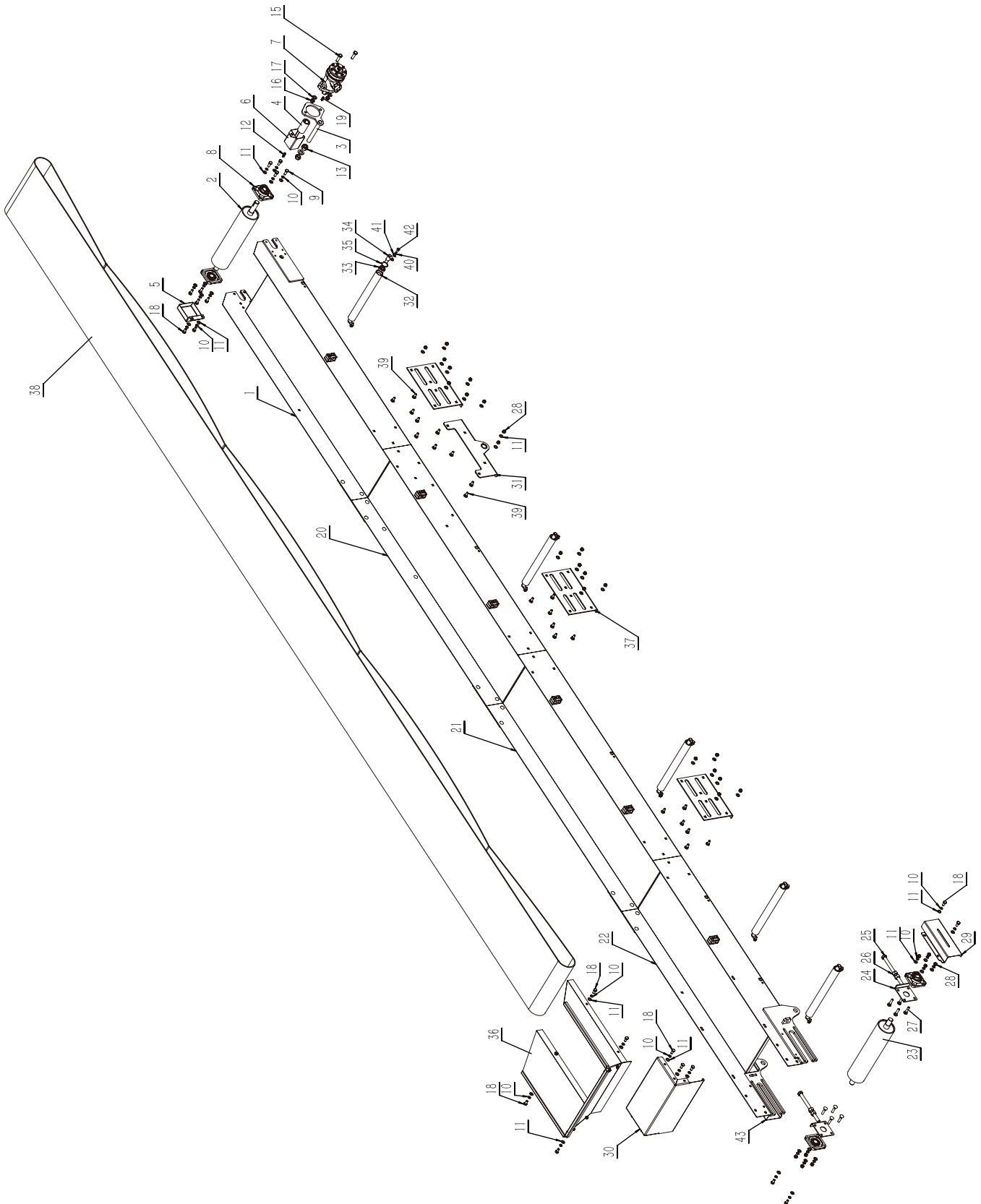
PARTS DIAGRAM



PARTS LIST

No.	DESCRIPTION	QTY
1	Bracket welding 2	1
2	Bracket welding 1	1
3	Pin Shaft 1	4
4	Pin Shaft 2	4
6	Flat washer Class C 24	6
7	Cotter pin 6x40	8

PARTS DIAGRAM



PARTS LIST

No.	DESCRIPTION	QTY
1	One - section Welding Assembly	1
2	Drive Shaft Welding Assembly	1
3	Motor Fixed Plate Welding Assembly	1
4	Coupling	1
5	Shaft End Shield	1
6	Motor Shield	1
7	Hydraulic Motor	1
8	UCF205	4
9	Full - thread Hexagon Head Bolt M10×25	8
10	Spring Washer 10	32
11	Flat Washer 10	76
12	Plain Key Type C C8×7×32	1
13	Hexagon Thin Lock Nuts with Non - Metallic Insert M20	2
14	Flat Washer 20	1
15	Full - thread Hexagon Head Bolt M12×40	2
16	Hexagon Thin Lock Nuts with Non - Metallic Insert M12	2
17	Flat Washer 12	2
18	Full - thread Hexagon Head Bolt M10×20	16
19	Plain Key Type A 8×7×32	1
20	Two - section Welding Assembly	1
21	Three - section Welding Assembly	1
22	Four - section Welding Assembly	1
23	Follower Shaft Welding Assembly	1
24		2
25	Full - thread Hexagon Head Bolt M16×200	2
26	Hexagon Nut M16	4
27	Round Head Square Neck Bolt M10×40	8
28	Hexagon Thin Lock Nuts with Non - Metallic Insert M10	52
29	Bearing Shield	1
30	Bottom Shield Welding Assembly	1
31	Support Base Plate Welding Assembly	2
32	Roller - 3	5

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