SKID STEER ROTARY TILLERS

SSRT5, SSRT6, SSRTBLADEPACK

191550, 191551, 191557

Operator's Manual

Read the Operator's Manual entirely. When you see this symbol, the subsequent instructions and warnings are serious follow without exception. Your life and the lives of others depend on it!

These are common practices that may or may not be applicable to the products described in this manual.

Safety at All Times

Thoroughly read and understand the instructions given in this manual before operation. Refer to the "Safety Label" section, read all instructions noted on them.

Do not allow anyone to operate this equipment who has not fully read and comprehended this manual and who has not been properly trained in the safe operation of the equipment.

- ▲The operator must not use drugs or alcohol as they can change the alertness or coordination of that person while operating equipment. The operator should, if taking over-the-counter drugs, seek medical advice on whether he/she can safely operate the equipment.
- ▲Operator should be familiar with all functions of the unit.
- ▲Make sure all guards and shields are in place and secured before operating implement.
- ▲Keep all persons away from equipment and work area.
- ▲Start skid steer with steering levers and hydraulic controls in neutral.
- ▲Operate implement and loader arms from the driver's seat only.
- ▲Dismounting from a moving unit can cause serious injury or death.
- ▲Do not allow anyone to stand between skid steer and implement while hooking-up to implement.
- ▲Keep hands, feet, and clothing away from power-driven parts.
- ▲Watch out for objects overhead and along side such as fences, buildings, wires, trees, limbs, etc., while transporting and operating attached implement.
- ▲Detach and store implement in an area where children normally do not play. Secure implement by using blocks and supports.

Look For The Safety Alert Symbol

The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.

Be Aware of Signal Words

A Signal word designates a degree or level of hazard seriousness. The signal words are:

▲ DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.

▲ WARNING

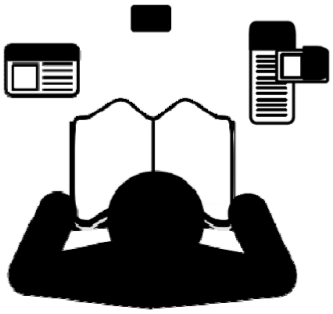
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

▲ CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

For Your Protection

▲Thoroughly read and understand the "Safety Label" section, read all instructions noted on them.



Avoid Underground Utilities

▲ **Dig Safe**
Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.

▲Be sure to ask how close you can work to the marks they positioned.

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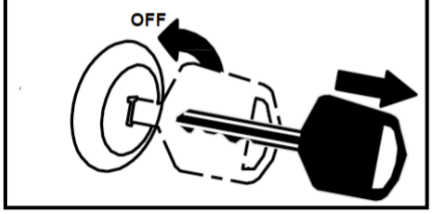
Shutdown and Storage

Before leaving operator's seat:

- ▲ Lower lift arms and put attachment flat on the ground.
- ▲ Turn off engine and engage parking brake.
- ▲ If included, raise seat bar and move controls until both lock.
- ▲ Remove key to prevent unauthorized starting.
- ▲ Use steps, grab-handles and anti-slip surfaces when getting on or off the loader.
- ▲ Detach and store implements in an area where children normally do not play. Secure implement by using blocks and supports.

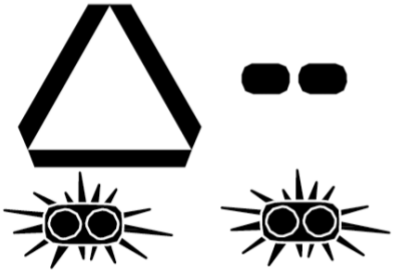


Transport Safely

- ▲Comply with state and local laws.
- ▲Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
- ▲Avoid contact with any over head utility lines or electrically charged conductors.
- ▲Always drive with load on end of loader arms low to the ground.
- ▲Always drive straight up and down ramps with load on "uphill" side of skid steer.
- ▲Engage parking brake when stopped on an incline.
- ▲**IMPORTANT:** Do not tow a load That is more than double the weight of the vehicle towing the load.
- ▲Usetowingvehicleandtrailerofadequatesizeandcapacity.Secureequipment towed on a trailer with tie downs and chains.
- ▲Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is note quipped with brakes.

Use Safety Lights and Devices

- ▲Slow moving self-propelled equipment, and towed implements can create a hazard when driven on public roads. They are difficult to see, especially at night.
- ▲Flashing warning lights and turn signals are recommended whenever driving on public roads.



Practice Safe Maintenance

- ▲ Understand procedure before doing work. Use proper tools and equipment, refer to Operator's Manual for additional information.
- ▲ Work in a clean dry area.
- ▲ Lower attached implement to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
- ▲ Allow implement to cool completely before working on it.
- ▲ Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- ▲ Do not grease or oil implement while it is in operation.
- ▲ Inspect all parts. Make sure parts are in good condition & installed properly.
- ▲ Remove buildup of grease, oil, or debris.
- ▲ Remove all tools and unused parts from implement before operation.

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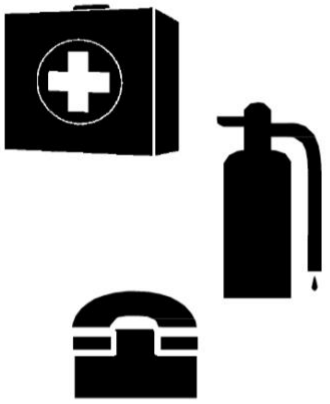
Prepare for Emergencies

▲Be prepared if a fire starts.
▲Keep a first aid kit and fire extinguisher handy.
▲Keep emergency numbers for doctor, ambulance, hospital, and fire department near phone.



Wear Protective Equipment

▲Wear protective clothing and equipment appropriate for the job. Clothing should be snug fitting without fringes and pull strings to avoid entanglement with moving parts.
▲Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
▲Operating equipment safely requires the operator's full attention. Avoid wearing radio headphones while operating machinery.

Avoid High Pressure Fluids Hazard

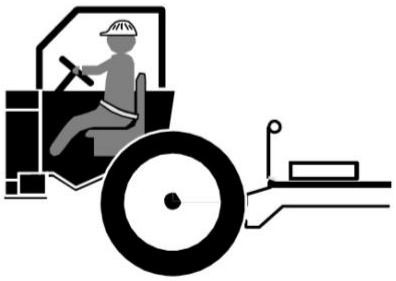
▲Escaping fluid under pressure can penetrate the skin causing serious injury.
▲Avoid the hazard by relieving pressure before disconnecting hydraulic lines or performing work on the system.
▲Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
▲Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
▲Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
▲**DO NOT DELAY.** If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

Tire Safety

▲Tire changing can be dangerous and should be preformed by trained personnel using the correct tools and equipment.
▲When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
▲When removing and installing wheels, use wheel handling equipment adequate for the weight involved.

Use Seat Belt and ROPS

▲ Operate only skid steers equipped with a Roll-Over Protective Structure (ROPS) and seat belt.
▲ Fasten seat belt snugly and securely to help protect against serious injury or death from falling and skid steer overturn.
▲ Wearing protective equipment such as safety shoes, safety glasses, hard hat, and ear plugs is highly recommended.



Keep Riders Off Machinery

▲Never carry riders or use Machinery as a person lift.
▲Riders obstruct operator's view.
▲Riders could be struck by foreign objects or thrown from the machine.
▲Never allow children to operate equipment.

SKID STEER REQUIREMENTS

The Rotary Tiller is designed to attach to skid steer loaders with the following minimum requirements:

SAE Lift Capacity ..... 1200 Lbs.
Hitch Type..... Universal Quick Hitch

Hydraulic Flow Rates
- Low Flow..... 14 - 23 GPM
- High Flow..... 23 - 40 GPM

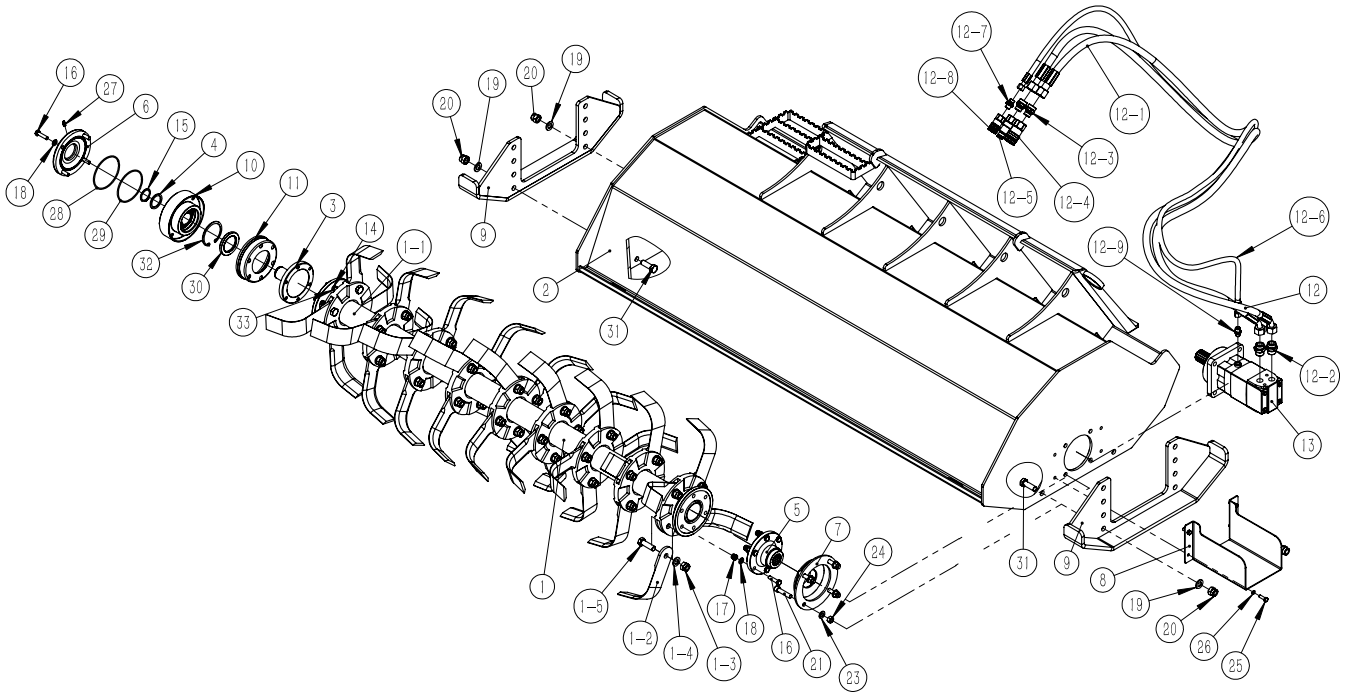
Hydraulic Pressure Rates (Min. - Max. Psi)
Low Flow Motor.....2800 - 4500 Psi
High Flow Motor..... 2300 - 4500 Psi

Hydraulic Hoses..... 2 - Hydraulic Outlets
Case Drain Hose..... 1 - Hydraulic Outlet

SPECIFICATIONS + CAPACITIES

MODEL	SSRT5	SSRT6
WEIGHT	748LBS	870LBS
WORKING WIDTH	58”	72”
HYDRAULIC FLOW	18-23GPM	18-23GPM
AUXILIARY PRESSURE	2900 PSI	2900 PSI

PARTS DIAGRAM / EXPLODED VIEW

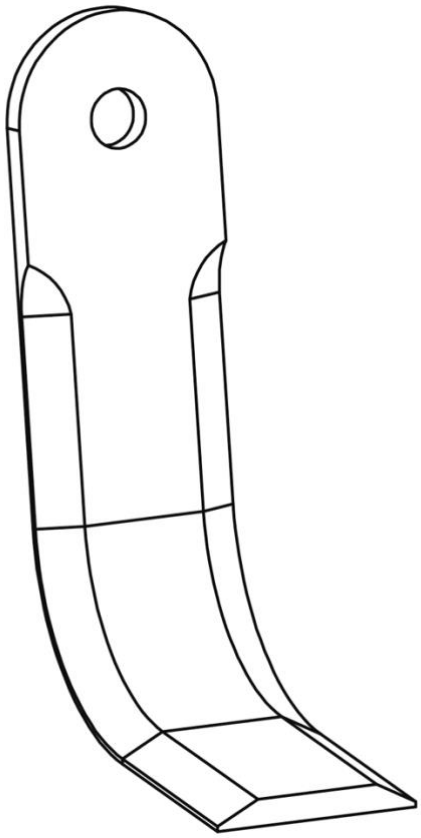


KEY	BOX	DESCRIPTION	SSRT5 QTY	SSRT6 QTY
1	HRT58.1	ROTOR ASSEMBLY	1	
1	HRT72.1	ROTOR ASSEMBLY		1
1-1	HRT72.1.1	ROTOR WELDMENT	1	
1-1	HRT58.1.1	ROTOR WELDMENT		1
1-2	HRT72.1.2	TINE, BI-DIRECTIONAL TILLER	28	36
1-3	GB/T 889.2	LOCK NUT M16*1.5	28	36
1-4	GB/T 97.1	WASHER 16	28	36
1-5	GB/T 5786	BOLT HEX M16*1.5*50	28	36
2	HRT58.2	FRAME WELDMENT	1	
2	HRT72.2	FRAME WELDMENT		1
3	HRT72.3	AXLE HEAD(LEFT)	1	1
4	HRT72.4	SNAP RING(LEFT)	1	1
5	HRT72.5	AXLE HEAD(RIGHT)	1	1
6	HRT72.6	COVER(LEFT)	1	1
7	HRT72.7	AXLE COVER WELDMENT	1	1
8	HRT72.8	MOTOR PROTECTOR	1	1
9	HRT72.9	SKID SHOE NON-DRIVE	2	2
10	HRT72.10	BEARING ASSEMBLY(LEFT)	1	1

PARTS DIAGRAM / EXPLODED VIEW

KEY	BOX	DESCRIPTION	SSRT5 QTY	SSRT6 QTY
11	HRT72.11	DUST COVER	1	1
12	HRT72.12	HYDRALIC COMPONENTS	1	1
12-1	HRT72.12-1	OIL PIPE 01	2	2
12-2	GE18LR34ED	END STRAIGHT JOINT G3/4“-M27X1.5	2	2
12-3	GE18LRED	END STRAIGHT JOINT G1/2“-M27X1.5	2	2
12-4	KIS-PT-G04SP	FLAT FACED COUPLERS G1/2 FEMALE	1	1
12-5	KIS-PT-G04SP	FLAT FACED COUPLERS G1/2 MALE	1	1
12-6	HRT72.12-2	OIL LEAKING PIPE	1	1
12-7	GE10LR38EDOMD	END STRAIGHT JOINT G3/8"-M16X1.5	1	1
12-8	KIS-PT-G03SF	FLAT FACED COUPLERS G3/8 FEMALE	1	1
12-9	GE10LRMOED	END STRAIGHT JOINT G1/4"-M16*1.5	1	1
13	HRT72.13	HYD MOTOR	1	1
14	GB/T 93	SPRING WASHER 10	6	6
15	GBT 894.1	EXTERNAL CIRCLIPS 40	1	1
16	GBT 5783	BOLT HEX M10*40	10	10
17	GBT 6182	LOCK NUT M10	6	6
18	GB/T 97.1	WASHER 10	10	10
19	GB/T 97.1	WASHER 16	4	4
20	GBT 6182	LOCK NUT M16	4	4
21	GBT 70.1	HEX SOCKET HEAD BOLT	4	4
22	GB/T 93	SPRING WASHER 12	4	4
23	GB/T 97.1	WASHER 12	4	4
24	GB/T 6170	NUT HEX M12	4	4
25	GBT 5783	BOLT HEX M8*25	4	4
26	GB/T 93	SPRING WASHER 8	4	4
27	JB/T 7940.1	GREASER M8	1	1
28	GB/T 3452.1	O RING Φ110X3.55	1	1
29	GB/T 3452.1	O RING Φ106X3.55	1	1
30	GB/T 13871.1	OIL SEAL 55×80×8	1	1
31	GBT 5783	BOLT HEX M16*45	4	4
32	GB/T 893.1	CIRCLIPS FOR HOLES 80	1	1
33	GBT 5783	BOLT HEX M10*35	6	6

SSRTBLADEPACK PARTS DIAGRAM



KEY	BOX	DESCRIPTION	QTY
1-2	HRT72.1.2	TINE, BI-DIRECTIONAL TILLER	4

ACKNOWLEDGEMENT OF RISK AND RELEASE OF LIABILITY

The use of any equipment, including this one, involves the potential risk of injury. Apart from any warranty claim that might be presented for a claimed defect in material or workmanship of the product, you accept and assume full responsibility for any and all injuries, damages (both economic and non-economic), and losses of any type, which may occur, and you fully and forever release and discharge Titan, its insurers, employees, officers, directors, associates, and agents from any and all claims, demands, damages, rights of action, or causes of action, present or future, whether the same be known or unknown, anticipated, or unanticipated, resulting from or arising out of the use of said equipment.

This equipment must be used with care by capable and competent individuals under supervision, if necessary.

WARNING

Do not overfill! Mower should be level when checking oil in gear box.

some activities might be able to cause electric shock

Sharp objects may be involved.
Use protective cover during maintenance.

TITAN LIMITED WARRANTY: TERMS, EXCLUSIONS AND LIMITATIONS OF REMEDIES

This product comes with a one (1) year limited warranty that can be found at www.palletforks.com/warranty.html. Please review the same for all details regarding the Titan Limited Warranty.

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