

Quality Assurance Certificate

(STICK CRANE)

We guarantee as follows,

As our crane are produced on the basis of strict quality management and inspection process, crane will continue its very highest condition if you follow usage indications expressed on our operation manual, i.e. periodical inspection, precautions.

1. Range of guarantee

Your crane should be checked periodically indicated on our operation manual, but it is our duty to repair or replace parts, instruments resulting in any other defects occurred from manufacturing process or our faults regardless of your periodic inspection and following procedures indicated. Also if there any important defects related to working control or safety, we assure guarantee by consumers compensation regulations.

2. Period of guarantee

Period of guarantee is respectively applied by the type of crane hereunder. If there any other conditions on the contracts, follow the period on the contracts.

1) Terms of guarantee by the model of crane

Model	Guaranteed period	
	Parts	Structure
Below KS1000 Series	6months	12months
KS2000 Series	12months	
KS3000 Series		
KS5000 Series		
KS6000 Series		
KS7000 Series		

2) Guaranteed parts

Division	Structure	Parts	Guarantee exception&Expendable
Base Ass'y	• BASE	<ul style="list-style-type: none"> • Cooler • 3-Way Valve • Bearing&Pulley • HYD Pipe, Hoses(Manufacturing defects) 	<ul style="list-style-type: none"> • Pads • Hoses (General defects) • Level
Column Ass'y	• Column	<ul style="list-style-type: none"> • Derrick Cylinder • Check Valves • Pin&Shaft • HYD Pipe, Hoses(Manufacturing defects) 	<ul style="list-style-type: none"> • Bushings • Hoses (General defects)
Slewing Device	-	<ul style="list-style-type: none"> • Slewing Reducer • Slewing Motor • Slewing Brake • Rotary Joint • Turn Table Bearing 	<ul style="list-style-type: none"> • Covers
Outrigger Ass'y	• Beam & Jack	<ul style="list-style-type: none"> • Control Valve • Check Valve • Jack Cylinder • Side Shift Cylinder • Pin&Shaft • Levers • Bearing&Pulley • HYD Pipe, Hoses(Manufacturing defects) 	<ul style="list-style-type: none"> • Knob • Pads • Hoses (General defects) • Level • Shoe • Bushings
Winch Ass'y	-	<ul style="list-style-type: none"> • Winch Reducer • Winch Motor • Winch Brake • Brake Valve • Winch Drum • Ring Gear • Pressure guage • Bearing&Pulley • HYD Pipe, Hoses(Manufacturing defects) 	<ul style="list-style-type: none"> • Disk • Wire Rope • Hoses (General defects) • Covers
Boom Ass'y	<ul style="list-style-type: none"> • Each Boom Section • Jib Boom 	<ul style="list-style-type: none"> • Counter Balance Valve • Pin&Shaft • Bearing&Pulley • HYD Pipe, Hoses(Manufacturing defects) • Extension Cylinder 	<ul style="list-style-type: none"> • Pads • Wire Rope(Ext/Ret) • Hoses (General defects) • Bushings
Hydraulic Device	-	<ul style="list-style-type: none"> • Control Valve • P.T.O Ass'y • HYD Pump Ass'y • Levers • Drive Shaft • Filter Housing • HYD Pipe, Hoses(Manufacturing defects) • Tank Ass'y • P.T.O Air Solenoid Valve • P.T.O Cable 	<ul style="list-style-type: none"> • Knob • Filters • Hoses (General defects) • Hydraulic oil

Division	Structure	Parts	Guarantee exception&Expendable
Upper Top Seat	<ul style="list-style-type: none"> • Seat Bracket • Control Valve Bracket 	-	<ul style="list-style-type: none"> • Seat
Hook Ass'y	-	<ul style="list-style-type: none"> • Body • Pin&Shaft • Bearing&Pulley 	<ul style="list-style-type: none"> • Latch • Spring
Accel System	-	<ul style="list-style-type: none"> • Electric Accel Pedals • Master Cylinder • Opera Cylinder • Lever & Cable • Oil container(Manufacturing defects) 	<ul style="list-style-type: none"> • Accel Oil
Frame	<ul style="list-style-type: none"> • Main Frame Reinforced part • Sub Frame 	-	-
Electric System	-	<ul style="list-style-type: none"> • Electric display • Control box pads • Safety valves • Working light Ass'y • Light bar Ass'y • Overwinding alarm device (Transmitter/Reciever) • Overload protection device 	<ul style="list-style-type: none"> • Bulb • Switch
ETC.	-	<ul style="list-style-type: none"> • Bracket • Electrical wiring device 	<ul style="list-style-type: none"> • Sticker • Bolt/Nut/Washer • Orings/Packings • Ladder • Snap ring • Clamps

4. Exceptions of guarantee (Following cases are applicable in guarantee period)

- 1) Fail to perform regular inspection to ordinarily manage the product
- 2) Exchange consumption instruments needed crane working.
(Except for defects on manufacturing process)
- 3) Other expenditure except for parts and labor costs under warranty repairs (traffic, lodging, resting costs & taxes etc.)
- 4) Small faults not affecting to general quality & function (slight noise, vibration, odor, appearance, working feeling etc)
- 5) Defaults occurred evidently by not following our indications of inspection periods and usage guidance.
- 6) Defaults by not repairing in our company or after service center indicated or not using correct parts.
- 7) Defaults by using hydraulic oils not indicated and not following periodical inspection indications.

- 8) Defaults by optional modification affects to the safety or functions of the products.
- 9) Unnatural crane working, overloaded, carelessness, repairs delayed accidents & malfunction by natural disasters.
- 10) Defaults from poor quality oil and using polluted oil.

4. Duty of crane owner

- 1) Follow inspection period and keeping methods on user manual.
- 2) Carry out prescribed inspection and management period, prohibit using irrelevant instrument and carrying out irrelevant inspection, carry out periodic function inspection & data preservation.
- 3) Necessarily contact with our company or after service center if there any defects of our crane affecting safety working or other defects.

5. Assurance repairs procedures

Show your quality assurance certificate to our company or after service center indicated on the user manual to repairs in serving hours.

6. Already produced products do not applied specification changes resulting from design change.

7. Receive assurance

In case of owner changes by buying and selling or donation, receiver also take assurance articles. therefore quality assurance certificate should be given to new owner.

※ Our company do our best efforts to your request, if there are any mistakes or faults related to our services, please call service center.

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