

SANY

SY16C / SY18C

MINI EXCAVATOR

QUICK START GUIDE



GENERAL GUIDANCE

This quick start guide and its contents have been prepared by SANY and, while deemed to be accurate, are based on technical information provided for equipment designed, manufactured, and tested by SANY. This guide does not replace the operator manual or any formal training.

It is the responsibility of the owner, user, properly trained operator, and lessor to be knowledgeable of, and comply with, all industry standards, government regulations, workplace rules, and other directives that may govern and/or apply to this equipment as well as its environment/conditions of use.

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SY16C / SY18C CAB LAYOUT



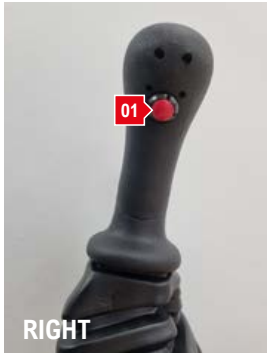
1. Left Joystick
2. Safety Lever
3. Fwd / Rev Levers
4. Right Joystick
5. Display
6. Blade Up & Down /
Track Width



1. Foot Rest
2. Travel Left
3. Travel Right
4. Boom Swing

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CAB LAYOUT / JOYSTICKS



1. Spare
2. Not Used
3. Horn

AUX / HAMMER CIRCUIT VENTING PROCESS



1. Turn off the engine using the ignition key.
2. Turn the ignition key to the first position.
3. Move the hammer switch on the right hand control left and right several times until hydraulic pressure is released from the circuit.

DISPLAY PANEL / CONTROL LOCATIONS



1. Coolant Temperature
2. Engine Oil Pressure Warning
3. Battery Charge Indicator
4. EVI Signal
5. Fuel Level
6. Working Hours



1. Beacon
2. High / Low Travel Speed
3. Engine Speed / RPM
4. Blade / Track Width
5. Work Lights
6. Ignition Key, including pre-heat turned clockwise

HYDRAULIC EXTENDABLE UNDERCARRIAGE



1. Ensure the track Extend / Retract switch is in the correct position.
2. Once the operation is selected, use the lever to adjust to the desired track width.

DOZER OPERATION



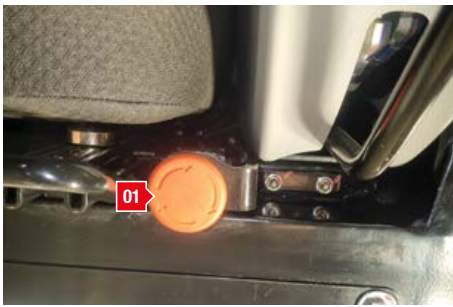
1. Ensure the dozer operation is selected and the switch is in the correct position.
2. Once the operation is selected, use the lever to raise / lower the dozer blade.

BATTERY ISOLATOR LOCATION



1. The Battery Isolator is located on the front left corner of the cab.
The horizontal position in **ON**.
The vertical position in **OFF**.

EMERGENCY STOP LOCATION



The Emergency Stop Switch is located by the cab door, or in the left hand arm console and displays as a Rocker Switch.

Pulled out is machine **ON**.
Pushed in is machine **OFF**.

If the Emergency Stop has been engaged you must allow it to reset.

- Pull out the stop switch.
- Key off the ignition and allow all lights on the display panel to go out.
- Wait 10 seconds and turn the ignition key to the first position.
- Allow the engine preheat light to go out.
- Start the machine.

SY16C / SY18C QUICK START GUIDE**ENGINE BAY LAYOUT**

1. Fuel Water Trap - Inspect daily - Drain as required
2. Engine Oil Dipstick - Inspect daily - Top up as required
3. Engine Coolant - Inspect daily - Top up as required

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SERVICE INTERVALS GUIDE

One time inspection	Maintenance Work	I	C	R	L	A
Initial Inspection after 50hrs	Engine Oil			R		
	Engine Oil Filter			R		

Regular inspection	Maintenance Work	I	C	R	L	A
Daily Inspection	Water build-up in the Fuel System	I	C			
	Engine Oil	I				A
	Lubrication Points	I			L	
Every 50hrs	Water build-up in the Fuel System	I	C			
	Lubrication Points				L	
Every 250hrs	Engine Oil	I				
	Climate Control	I			L	A
Every 500hrs	Engine Oil Filter			R		
	Engine Oil			R		
	Drive Motor Oil	I		R		A
	Slewing Gear				L	
	Fuel Filter			R		
	Fuel Pre-filter	I				
	Cooling Fins	I	C			
	Hydraulic Screwed Connections	I				
Every 1000hrs	Hydraulic Oil Return Filter			R		
	Hydraulic Oil Filter			R		
	Fan Belt	I				
Every 2000hrs	Coolant			R		
	Hydraulic Oil Suction Filter			R		
	Alternator	I				
	Starter	I				
	IN/EX Valves	I				A
Every 4000hrs	Water Pump	I				
	Hydraulic Oil			R		
Every 6yrs	Hydraulic Pipes			R		
Every 10000hrs	SANY Service					

CHECK	Maintenance Work	I	C	R	L	A
As required	Outer Air Filter	I	C	R		
	Inner Air Filter	I		R		
	Coolant	I		R		
	Cooling Fins	I	C			
	Track Tension	I				A
	Track Shoes Fastening	I				A
	Bucket	I		R		A
	Bucket Teeth	I		R		

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SERVICE INTERVALS GUIDE

Maintenance Steps	After (hr)			Every (hr)							
	50hrs	100hrs	500hrs	50hrs	100hrs	200hrs	250hrs	500hrs	1000hrs	2000hrs	2500hrs
Boom Swing Pin				L	L	L	L	L	L	L	L
Boom Swing Cylinder Pin				L	L	L	L	L	L	L	L
Boom Socket-head Bolts				L	L	L	L	L	L	L	L
Boom / Arm Connecting Pin				L	L	L	L	L	L	L	L
Arm Cylinder Pin				L	L	L	L	L	L	L	L
Arm / Bucket Connecting Pin				L	L	L	L	L	L	L	L
Bucket Socket-head Pins				L	L	L	L	L	L	L	L
Slewing Gear											
Blade Pin				L	L	L	L	L	L	L	L
Blade Cylinder Pin				L	L	L	L	L	L	L	L
Door Pin				L	L	L	L	L	L	L	L
Track Tensioner				I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A

* First 500 hrs all oils and filter changed except Hydraulic Oil

Service Refill Capacities	
Fuel Tank	20 l
Engine Coolant	4.1 l
Engine Oil	2.5 l
Drive Motor (per side)	0.4 l
Hydraulic System	26 l
Hydraulic Oil Tank	21 l

KEY	
Inspect	I
Clean	C
Replace	R
Lubricate	L
Adjust	A

Machine Dimensions	
Overall Length	3,640 mm
Overall Width	980/1,350 mm
Overall Width of Superstructure	980 mm
Overall Height above Cab	2,420 mm

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FORGING THE FUTURE TOGETHER

Not all products are available in all markets. As part of our continuous improvement process, we reserve the right to modify specifications and designs without giving prior notice. Machines shown may feature additional options other than the standard machine specification.

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