SANY

SY135C QUICK START GUIDE

SY135C Display

01	GPS Active
02	Fuel Level
03	Buzzer Cancelled
04	Work/Throttle Indicator
05	Time/Date
06	Automatic DPF Regen
07	DPF Regen Inhibit Warning
08	Engine Fault Warning
09	Engine Pre Heat
10	Engine Stop Warning
11	Engine Torque De-rate
12	Engine Torque De-rate 25%
13	Engine Torque De-rate 75%
14	Work Mode
15	Daily Work Hours
16	AdBlue Tank Level
17	AdBlue Tank Level Below 2%
18	Manual DPF Regen Warning Lamp
19	Adblue Level Below 10%
20	Battery Charge Warning
21	Aftertreatment Error
22	SWL Alarm
23	Engine Coolant Temperature
24	Throttle Position
25	Total Work Hours
26	Service Menu
27	Automatic Idle
28	Travel Speed
29	Main Menu

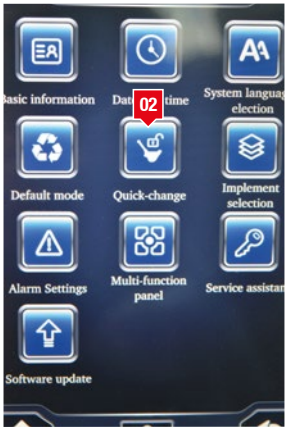
Work Modes

01 The machine work mode is enabled by selecting the desired mode on the touch screen display. Press the mode select icon to cycle through options.

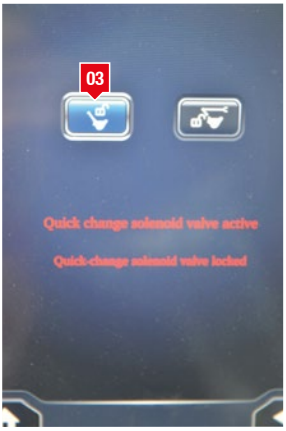
Work Mode	Operation
S	Standard / Normal operation.
H	Heavy Duty Mode. For when additional power is required for heavy applications. Power Boost.
L	Light Duty / Lifting. For when fine control is required.
B	Breaker. This mode prioritises hydraulic oil flow to auxiliary lines over general machine services. If a machine is left in this mode and then an operator tries to dig, the machine may feel underpowered and sluggish.

Quick Hitch Process (PT 1)

01 Select Main Menu Icon

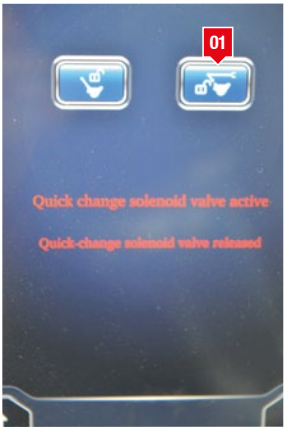


02 Select Quick Change

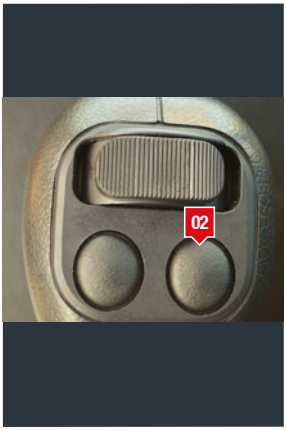


03 Select Unlock Icon
(Buzzer will sound)

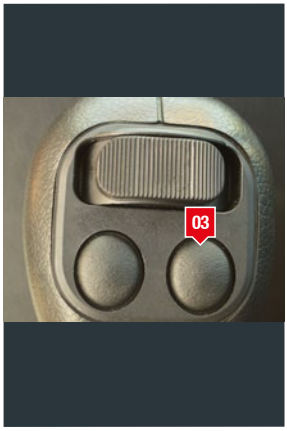
Quick Hitch Process (PT 2)



01 Select Bucket Removal Icon



02 Select right hand button on left hand lever control and press throughout the entire detachment process

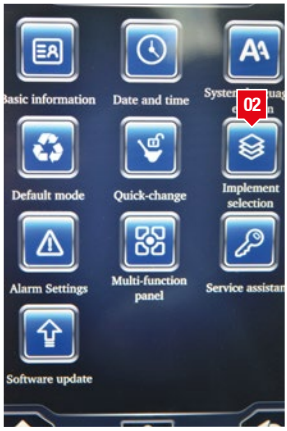


03 Crowd the bucket fully in to allow the bucket to detach. Whilst still pressing the button, connect the next attachment

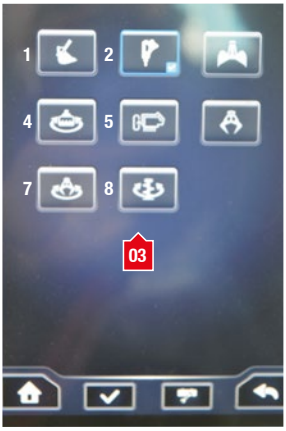
Note: Please be aware that the Quick Hitch process may vary if a third party attachment system is fitted.

Tool Selection

01 Select Main Menu Icon



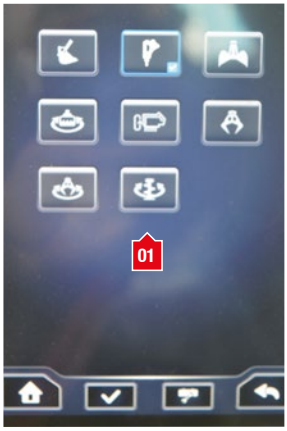
02 Select Implement Selection icon



03 Select required attachment from the menu

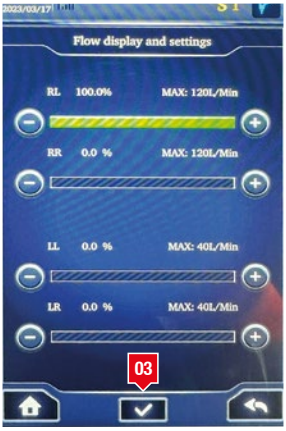
1. Bucket
2. Breaker
3. Grab/Clam shell
4. Rotator grab
5. Flail
6. Grapple
7. Grapple with rotate
8. Auger

Tool Set Up



01 Select the required tool from the menu

02 Select Tool Set Up



03 SET UP

RL & RR = High Flow (Breaker Lines)

LL & LR = Low flow (Rotation Lines)

Press +/- icons to increase or decrease flow on desired circuit.

Press Tick Icon to save settings

Left Lever

Right Lever

OPERATION

LL = Left lever slide left

LR = Left lever slide right

RL = Right lever slide left

RR = Right lever slide right

*Figures on the display screen are a guide. All flows should be verified using a flow meter when the attachment is installed.

Exhaust Regeneration

01 The machine will run an auto regen as required to clear soot from the exhaust system.

For the regen to commence the machine must meet certain parameters with regards to temperature.

When the Auto Regen light illuminates continue to work the machine normally until the regen has completed.

02 A regen can be inhibited in the event that carrying out the process with high exhaust temperatures may cause a health and safety concern, for example the machine is working next to flammable material.

To inhibit the regen select the Main Menu and then select the multi-function panel.

01 Select the Regen Inhibit icon and then select Escape.

02 The regen will stop and the Regen Inhibit light will illuminate on the display.

The machine can now be moved to a safe area to allow the process to continue.

*DO NOT inhibit regens unnecessarily.

*All inhibits are recorded within the machine ECU.

*Multiple inhibits will lead to a service regen being required or may result in damage to the exhaust system. Damage caused in this way is NOT covered by warranty.

Manual Regeneration

Manual regeneration is only available if the machine requests one. The Manual Regen light will flash in the top right corner of the display. It will only do so if automatic regenerations have been inhibited or cancelled.

01 To carry out a manual regen the machine must be up to operating temperature.

The safety lever must be down.

The throttle dial must be on 1.

Select the Main Menu icon.

Select the Multi-Function icon.

02 Select the Manual Regen button.

The machine will now run through the process automatically.

03 The Manual Regen light will stay illuminated throughout the process.

DO NOT leave the machine unattended.

DO NOT select any services or operate the machine.

DO NOT open the bonnet. Exhaust temperatures may be in excess of 700 degrees centigrade.

Service Intervals Guide

Regular inspection	Maintenance Work	I	C	R	L	A
Daily Inspection	Water build-up in the Fuel System	I	C			
	Engine Oil	I	C			A
	Lubrication Points	I			L	
Every 250hrs	Engine Oil	I				A
	Air Filter	I	C			
	Climate Control	I	C			
Every 500hrs*	Air Filter			R		
	Engine Oil			R		
	Swing Motor Oil	I				A
	Final Drive Motor Oil	I				A
	Slewing Gear				L	
	Fuel Filter			R		
	Fuel Pre-filter			R		
	Radiator Cooling Fins	I	C			A
	Hydraulic Hose Connections	I				
Every 1000hrs	Hydraulic Oil Return Filter			R		
	Hydraulic Pilot Oil Filter			R		
	Fan Belt / Aux Belt	I	C			A
	Final Drive Motor Oil			R		
	DEF Tank Filter			R		
	DEF Pump Filter			R		
	Swing Motor Oil			R		
Every 2000hrs	Fan Belt/Aux Belt			R		A
	Coolant					
	Hydraulic Oil Suction Filter	I	C			
	Alternator	I				
	Starter	I				
	Valve Play, Engine	I				A
Every 4000hrs	Water Pump	I				
	Hydraulic Oil Suction Filter			R		
	Hydraulic Oil**			R		
Every 6yrs	Hydraulic Pipes			R		
Every 10,000hrs	SANY Service					

Check	Maintenance Work	I	C	R	L	A
As required	Air Filter	I	C	R		
	Coolant	I		R		
	Radiator Cooling Fins		C			
	Air Conditioning System Coolant	I				A
	Track Tension	I				A
	Track Shoes Fastening	I				A
	Bucket	I		R		A
	Bucket Teeth	I		R		
	Roof Hatch Gas Spring	I		R		

Maintenance Steps	After (hr)			Every (hr)									
	50hrs	100hrs	500hrs	8hrs	50hrs	100hrs	200hrs	250hrs	500hrs	1000hrs	2000hrs	2500hrs	4000hrs
Final Drive Motor Oil										R	R		R
Boom Swing Pin						L	L			L			
Boom Swing Cylinder Pin						L	L			L			
Boom Pins				L	L	L				L			
Boom Socket-head Bolts				L	L	L				L			
Boom / Arm Connecting Pin				L	L	L				L			
Arm Cylinder Pin				L	L	L				L			
Arm / Bucket Connecting Pin				L	L	L				L			
Bucket Socket-head Pins				L	L	L				L			
Slewing Gear					L	L				L			
Slewing Ring Raceway						L	L			L			
Blade Pin					L								
Blade Cylinder Pin					L	L				L			
Door Pin					L	L				L			
Track Tensioner					I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A	I, A

* First 500hrs all oils and filters changed except Hydraulic oil

** Hydraulic oil must be changed at 2000hrs if used with attachments

Service Refill Capacities	
Fuel Tank	245 l
Engine Coolant	23.6 l
Engine Oil	15 l
Drive Motor (per side)	1.8 l
Adblue	20 l
Hydraulic Oil Tank	140 l

KEY	
Inspect	I
Clean	C
Replace	R
Lubricate	L
Adjust	A

Machine Dimensions	
Overall Length	7,500 mm
Overall Width (700mm tracks)	2,690 mm
Overall Width (600mm tracks)	2,590 mm
Overall Width of Superstructure	2,490 mm
Overall Height above Cab	2,820 mm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