

**SANY**

# SY50U

MINI EXCAVATOR

**QUICK START GUIDE**



VERSION 1 06.2026

# 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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## SY50U QUICK START GUIDE

# SY50U DISPLAY



1. Selected implement
2. Date and time
3. Preheat
4. Battery charge light
5. Machine locked
6. EVI telematics signal
7. Gear selection
8. Fuel gauge
9. Menu
10. Travel speed
11. Auto engine idle
12. Work mode
13. Maintenance light
14. Fault code indicator
15. Alarm
16. Machine operating hours
17. Coolant temperature

## SY50U QUICK START GUIDE

# FUNCTION SCREEN



Access this screen via the main display screen (soft key 9) file menu.

1. Main menu
2. Quick hitch
3. Aux attachment selection
4. Pin code
5. Return
6. Accept
7. Constant aux flow
8. Scroll
9. System locked
10. Time and date adjustment

To access any of the menu tiles, press soft key 8. This will move the selection one space to the right. Once the desired menu tile is highlighted, to access, press soft key 6.

# FUNCTION SCREEN

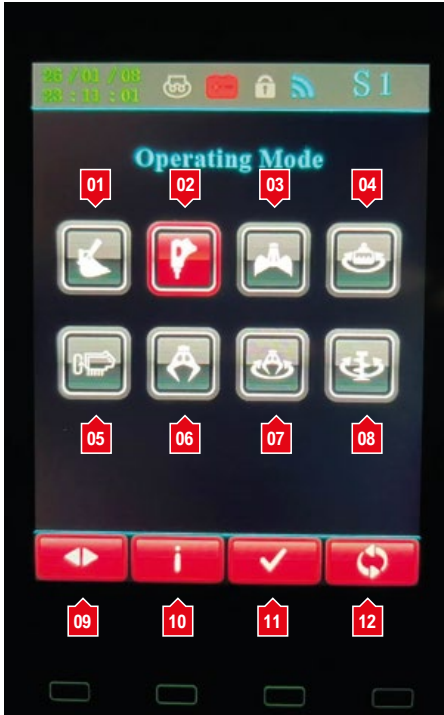


1. Operating information
2. Machine configuration
3. Failure info
4. DPF regeneration
5. Return
6. Accept
7. System setup (password locked)
8. Scroll
9. Language selection
10. GPS info

To access any of the menu tiles, press soft key 8. This will move the selection one space to the right. Once the desired menu tile is highlighted, to access, press soft key 6.

## SY50U QUICK START GUIDE

# OPERATING MODE SCREEN



Access this screen via the main display screen (soft key 9) file menu.

Then select Aux attachment selection.

1. Bucket
2. Breaker
3. Clam shell
4. Tilt bucket
5. Flail
6. Grab
7. Grab rotate
8. Auger
9. Scroll
10. Flow setting
11. Accept
12. Return

Select the required attachment to best suit your application.

To adjust the flow when you are on the selected attachment, press soft key 10 to access flow settings.

To access any of the menu tiles, press soft key 9. This will move the selection one space to the right. Once the desired menu tile is highlighted, to access, press soft key 11.

## SY50U QUICK START GUIDE

# AUX FLOW RATE ADJUSTMENT

FIGURE 1



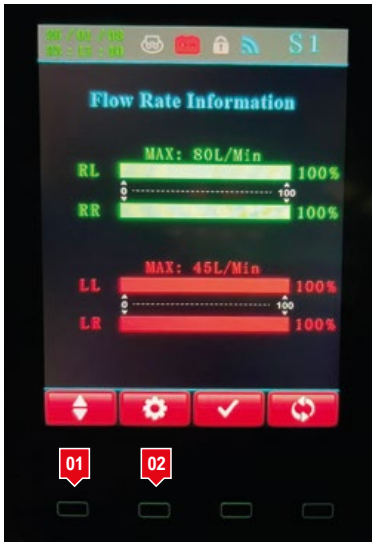
**ALL FLOWS NEED TO BE SET UP AND VERIFIED BY A TECHNICIAN WITH A FLOW METER.**

**(FIGURE 1)**

Using soft key 1 scroll to the tool that needs setting up.

Once the tool is highlighted press the tick icon to save the selection.

FIGURE 2



**(FIGURE 2)**

To set the aux flow rate, press soft key 1 to scroll through the list to the required implement.

Use the up and down arrows to scroll up and down the list, soft key 1.

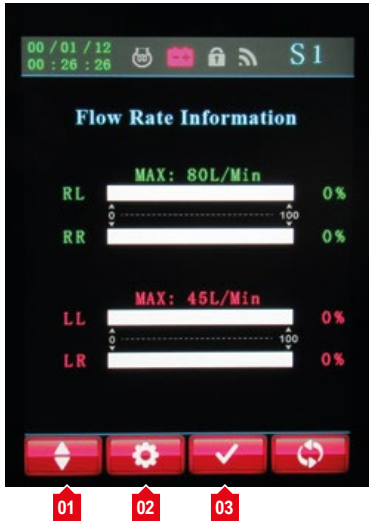
To access the flow adjustment, use the gear symbol to select, soft key 2.

Select the implement by pressing soft key 2.

## SY50U QUICK START GUIDE

# AUX FLOW RATE ADJUSTMENT

FIGURE 3



(FIGURE 3)

Use soft key 1 to increase (+) and soft key 2 to decrease (-) the flow rate setting.

When the required flow rate is set ALWAYS press the tick, soft key 3 to save the changes.

# DPF REGENERATION SCREEN



To access the machine DPF, select main menu (as shown on page 4) then select DPF (as shown on page 5).

Pre-requisites for manual DPF regen:

- The machine **MUST** request a regeneration.
- The machine **MUST** have been running for more than 15 minutes or have a coolant temperature above 65 degrees.
- The hydraulic isolation lever **MUST** be in the 'off' position.
- The engine **MUST** be set to low idle.

To activate a manual regen, if all pre-requisites are met, press soft key 1, the ACK key.

The machine will increase revs and carry out the regeneration.

Do not touch any controls or stop the regen once in progress.

**ALWAYS REMAIN SEATED IN THE MACHINE FOR THE DURATION OF THE REGEN.**

## SY50U QUICK START GUIDE

# IN CAB CONTROL LAYOUT



1. Display screen
2. Control lever high/low speed tracking on top switch
3. Windscreen wiper
4. Work lights
5. Dozer blade
6. Push dozer blade lever fully forward for blade float
7. Ignition switch
8. Radio
9. Windscreen wash
10. Amber Beacon / Travel alarm
11. Throttle dial



**SY50U QUICK START GUIDE****IN CAB CONTROL LAYOUT**

1. Control lever with AUX 2 roller
2. Lift limit activate

## SY50U QUICK START GUIDE

# QUICK HITCH PROCESS

FIGURE 1

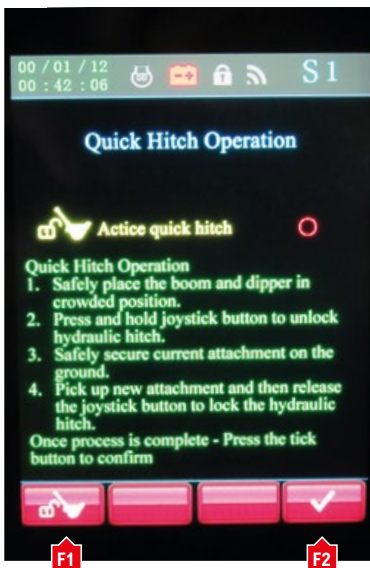


To access the quick hitch menu:

- Press and hold left button 1 on the left-hand control lever for 5 seconds. (FIGURE 1).
- Display changes to FIGURE 2.
- Press soft key F1 to activate the hitch.
- Crowd attachment fully into stop.
- Press and hold right-hand button on the left-hand control lever whilst holding the left control lever against the crowd stop.
- The hitch will unlock releasing the attachment.

Keep the right-hand button held to hold the hitch open, then pick up your next attachment. When the button is released, the hitch will lock.

FIGURE 2



- Press soft key F2 at the end of the process to confirm completion.

## SY50U QUICK START GUIDE

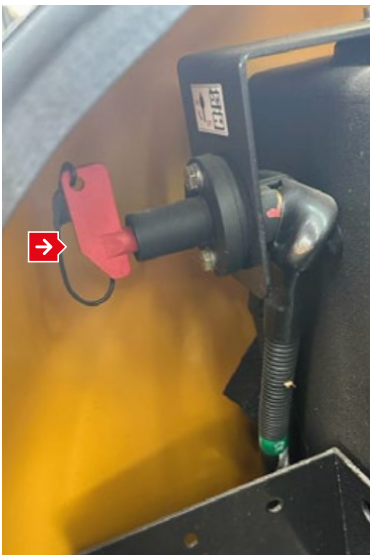
# EMERGENCY STOP



To activate the emergency stop, press the red mushroom top in. This will lock into place shutting down the engine.

To reset the emergency stop, switch the ignition off and wait until the display shuts down.

Twist the emergency switch anti-clockwise. The switch will 'pop' out and you can then restart the machine.

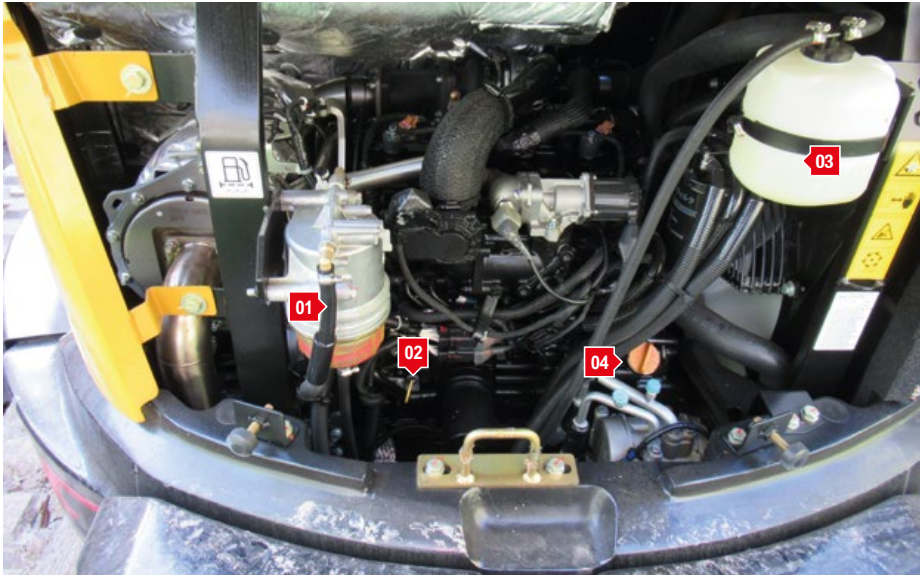


The battery isolation key is located in the offside access hatch, in front of the fuel tank.

The battery should be isolated when the machine is not in use.

## SY50U QUICK START GUIDE

# ENGINE BAY



1. Fuel filter
2. Engine oil dipstick
3. Engine oil coolant reservoir
4. Engine oil filling point
5. Air filters
6. Windscreen washer fluid



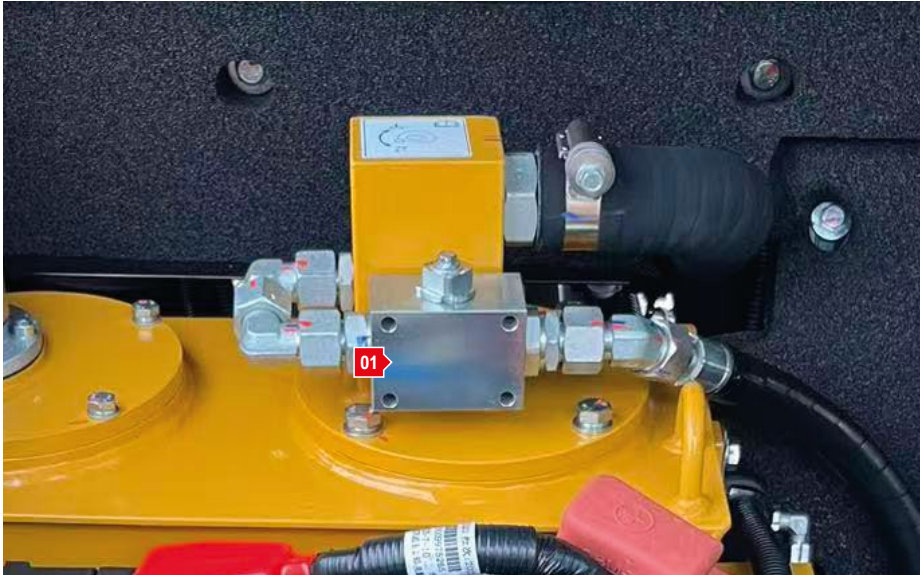
# BATTERY COMPARTMENT



1. Hydraulic tank vent
2. Change over valve
3. Battery
4. Fuel tank

## SY50U QUICK START GUIDE

# HYDRAULIC CHANGE OVER VALUE OPERATION



1. Hydraulic 2-way change over valve

To use attachments such as a selector grab or anything requiring 2-way function ensure that the tap is orientated the correct way.

The tap is located on top of the hydraulic tank in the battery compartment.

# SANY

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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