Payload Accuracy Check Mode Manual

EARTHBRAIN

Introduction

This function can determine whether the payload results are within standards.
　(with digging and loading operation)

This shortens the conventional accuracy check flow with unloaded bucket during shipping.

(Conventional flow)
1. Complete settings and unloaded calibration
2. Go to "Machine setting"
3. Set "Correction formula B" to original value -100
4. Loading start at "Load meter"
5. Check payload result (0~200 is OK)
   (Unloaded calibration is done = 0kg is correct value)
   (The criterion is 0 kg ± 100 kg, but negative values are not displayed)
   (Correction formula B -100 means 100kg kg ± 100 kg is OK)
6. Go to "Machine setting"
7. Set "Correction formula B" to original value

(with this function)
1. Complete settings and unloaded calibration
2. Go to "Accuracy check mode"
3. Tap start and operate "digging and loading"
   → Check is completed automatically
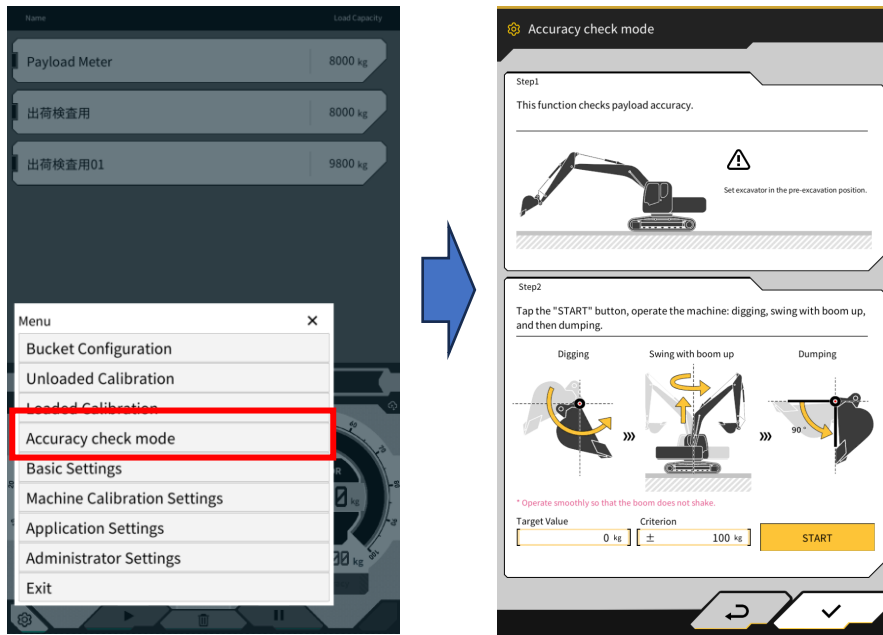
01

Chapter

How to use function

1.1 Preparation

This function checks payload accuracy.
Please complete payload configuration before using this function.
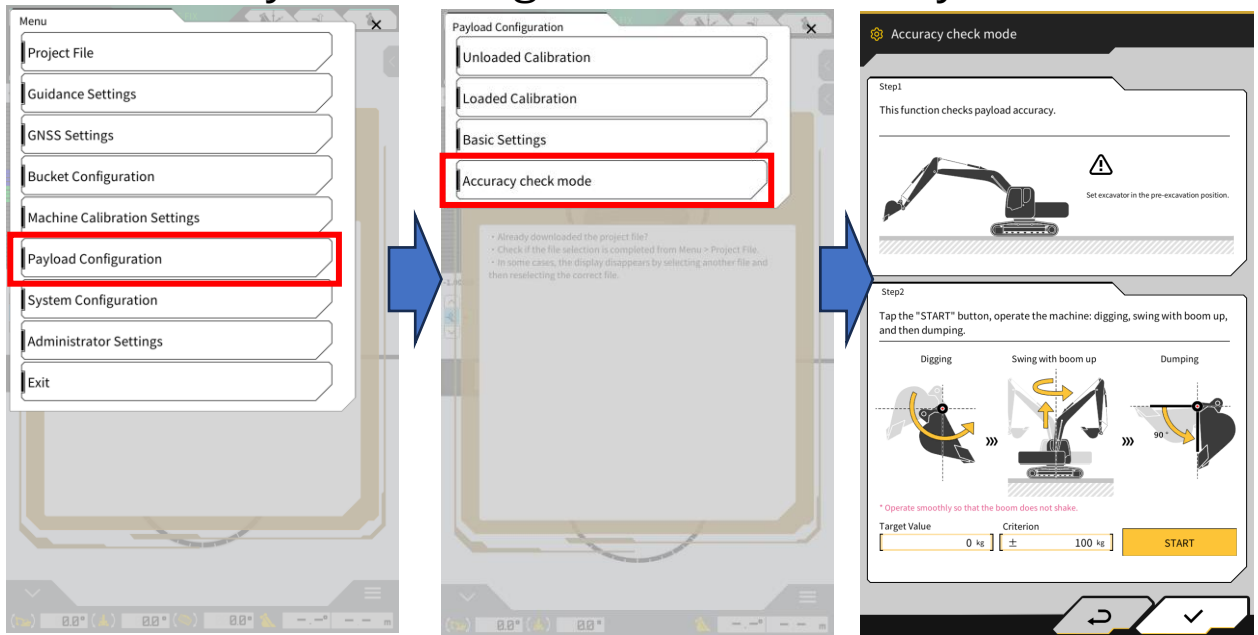
- Machine calibration
- Bucket file setting
- Payload base machine setting
- Unloaded calibration

1.2 Go to function

(from Payload Meter)
Menu > Accuracy check mode

(from Machine Guidance)
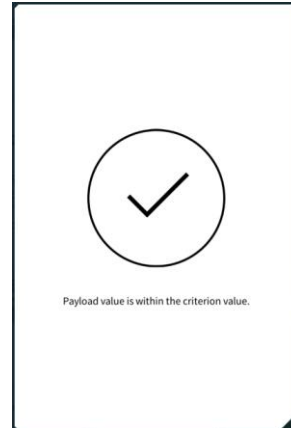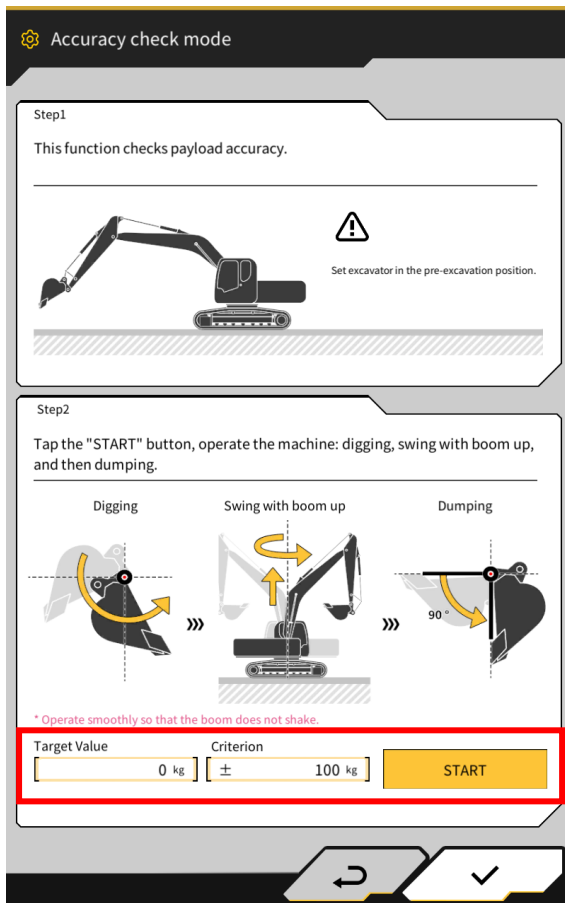Menu > Payload Configuration > Accuracy check mode
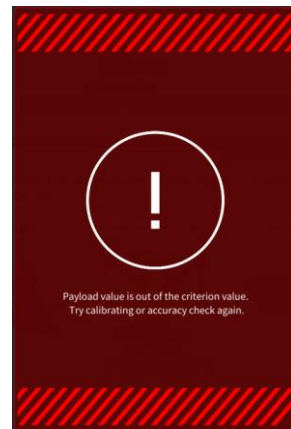
02

Chapter

Detail

1.3 How to use

Operate pilot and excavator according to the instructions on the screen.

1. Set excavator to pre-digging posture
2. Set "Target value" and "Criterion"
   Target Value : Target weight (default is 0 = unloaded)
   Criterion : Allowable errors (default is 100kg)
3. Tap "START"
4. Operate "digging and loading"
5. After loading, payload result will be checked whether result is within Target Value ± Criterion
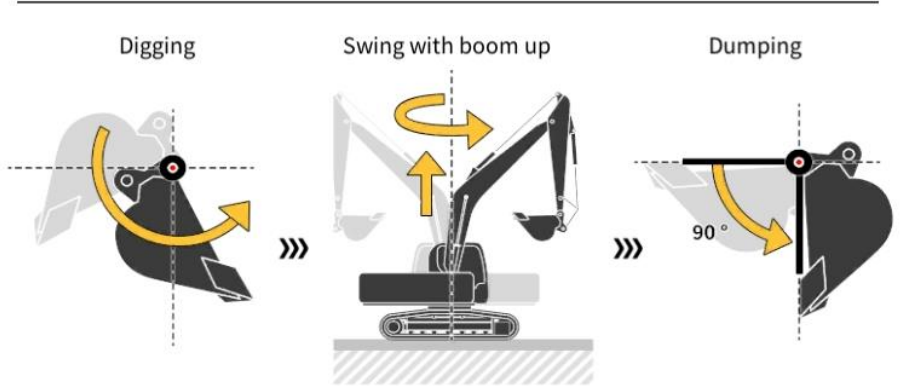

: OK

: NG

2.1 Function detail

・Operation is the same as for normal loading operation.
・To calculate with precision, make "boom up" as smooth as possible.
・To Complete the measurement, bucket dumping is required.

Step2

Tap the "START" ...operate the machine: digging, swing with boom up, and then dumping.

Digging	Swing with boom up	Dumping

90°

* Operate smoothly so that the boom does not shake.

Target Value	Criterion	
0 kg	± 100 kg	START

・Default is value of unloaded bucket.
  (Target Value : 0kg   Criterion : ±100kg)
・Units reflect common setting.

2.2 FAQ

Q1. What to do if result is NG.
A1. Please check setting and re-do unloaded calibration.

Q2. How to measure accurately.
A2. As the calculation is based on hydraulic pressure,
    it is desirable that the hydraulic pressure is stable.
    Please operate boom up smoothly.
    (4 seconds of boom up is a standard.)

Contact information

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