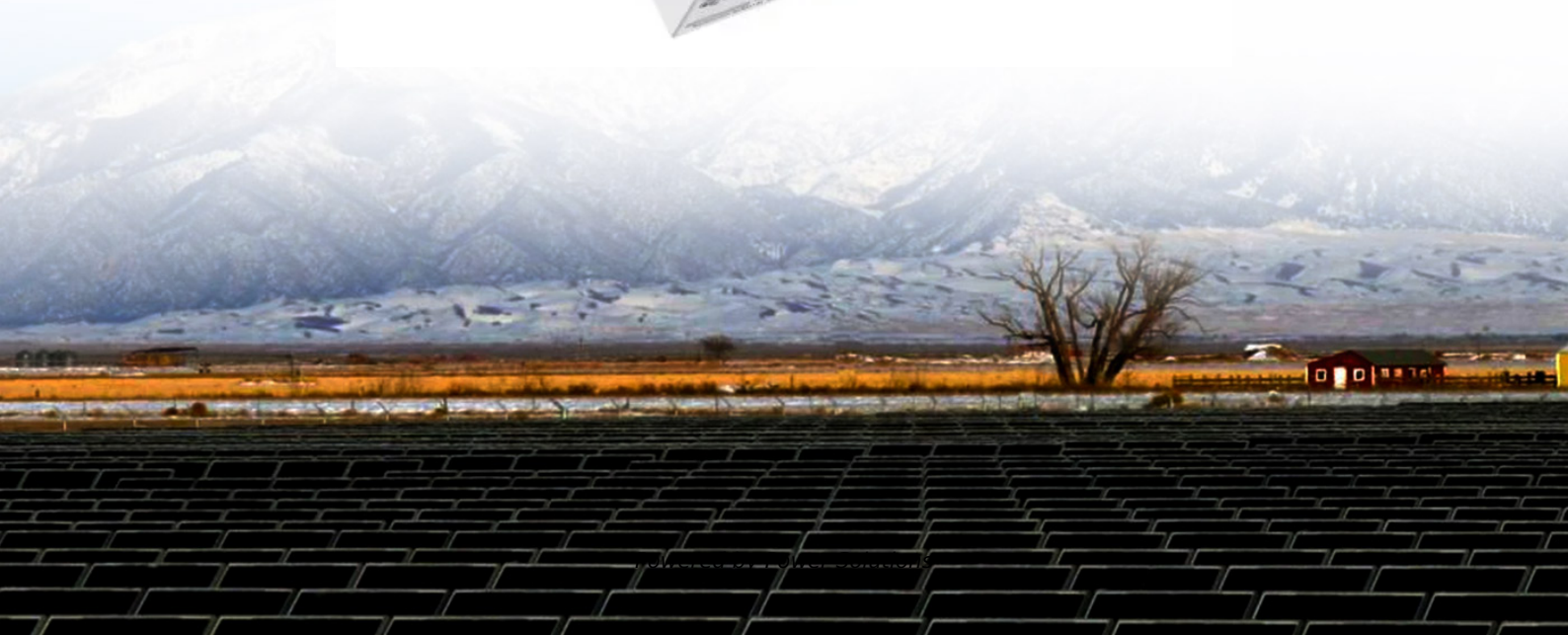


# **Excavator control valve accumulator does not work**





## Overview

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An improperly charged accumulator may give indications of a problem with the check valve. Stop the engine. Release the pressure from the pilot hydraulic system. Refer to Testing and Adjusting, "Hydraulic System Pressure - Release". The problem is the boom, bucket, and crowd operations are slow or barely work, unless you operate a function on the opposite joystick at the same time. The left side drive track is stuck but the right seems to move as long as you are operating another function. It appears the control block is. In order to check the amount of charge in an accumulator, the accumulator must be at the same temperature as the surrounding air. Note: The temperature of the accumulator may change as the accumulator is being charged due to the expansion or compression of the nitrogen charge. It may be necessary. The charge valve opens to allow flow into the swing accumulators during a swing stall or swing braking operation. The discharge valve opens to allow flow from the accumulator to the swing workport during swing acceleration or swing stall. During a 100% swing stall operation with fine swing. These could be symptoms of problems with the hydraulic accumulator. This inconspicuous, canister-like component is actually a "bomb" charged with energy that performs several extremely important roles in the system. Its failure not only worsens operator comfort but can lead to serious damage. The accumulator is a device that stores and controls the pressure of the oil circuit. It is installed between the main pump and the PPC valve (control handle). Its function is to keep the pressure of the control oil circuit (low pressure oil circuit) stable and when the engine is turned off, the. There are 2 large high pressure accumulators and 1 small low pressure accumulator for the swing circuit. Usually the problem is for the high pressure accumulators and I don't recommend anyone that doesn't have the correct schematics and T&A procedure to work on them because they store a lot of energy.



## Excavator control valve accumulator does not work

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### Komatsu Excavator PC360LCi-11 service manual

Komatsu Hydraulic Excavator PC360LCi-11 pdf workshop service repair manual Serial numbers:90156 and up91532 and up Technical documentation, specifications, maintenance procedures, testing & ...

### 308C CR Excavator Hydraulic System - Accumulator (Pilot) - Test

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If the pilot pressure in the accumulator is below 1035 kPa (150 psi) or the pilot supply is exhausted in less than 1 minute, the check valve within the pilot manifold is not working properly.



### Excavator Hydraulic Power Loss and Cylinder Seal Leak

Some excavator hydraulic systems include a separate pilot pump at the end of two main pumps that work together to split flow between the machine's functions. The pilot pressure serves as the control ...

### Hydraulic Problem With Pilot Controls , Heavy Equipment Forums

I recently picked up a Scat Trak 530 mini excavator with pilot controls. The machine runs great but has hydraulic control problems. The problem is the boom, bucket, and crowd



operations ...



### Hydraulic Problem With Pilot Controls

I recently picked up a Scat Trak 530 mini excavator with pilot controls. The machine runs great but has hydraulic control problems. The problem is the boom, bucket, and crowd operations ...

### Operation and Maintenance Manual

Do not operate or perform any lubrication, maintenance or repair on this product, until you verify that you are authorized to perform this work, and have read and understood the operation, lubrication, ...



### The Function And Working Principle Of Excavator Accumulator

May 05, 2020 (1) The role of the accumulator  
The accumulator is a device for storing and controlling the oil pressure. It is installed between the pilot pump and the PPC valve. Its function is to keep the ...



## Hitachi Excavator Main Control Valve Parts , Model Matching

Choosing the right Hitachi excavator main control valve parts depends on accurate model matching and professional technical support. With the correct parts, you can maintain hydraulic ...



## Hydraulic accumulator

Could someone explain to me what a hydraulic accumulator does in a mini excavator? My 2009 Bobcat (Doosan) E60 seems to have lost its ability to relieve circuit pressure when shut off/key ...

## Excavator Hydraulic Pedal Control Valve Single Double Foot Pedal Valve

The U-shaped anti-mis-touch device is convenient to use, compatible with most excavator models on the market, and does not affect the original operating feel and work efficiency. Its wear-resistant and ...



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