

The following table can be used as guidelines for further analysis of breakdowns.

Fault	Causes	Remedies
The platform does not go up or goes up slowly, the engine pump runs normally.	Insufficient oil in the tank, the pump sucks in air. EVBS solenoid valve not activated or blocked. Faulty pump, VM1 pressure relief valve adjusted too low.	Add oil. Check if, by activating the UP command, the solenoid valve receives electricity and/or check the coil using the magnet checking device . Replace the coil or the valve if necessary. Replace the pump. Check the system's pressure and adjust the valve.
The platform does not go up or goes up slowly, you can hear the engine pump run more slowly.	Battery discharged. Battery low, alternator too weak. Main circuit fuse on the battery pole is oxidized.	Charge the battery. Check the single cells. Check the power supply cable. As an emergency solution, place the vehicle's engine in motion. Install a more powerful alternator. Replace the fuse.
The platform does not go up or goes up slowly .	Main power supply cable contact terminal oxidized . Ground cable contact terminal oxidized . Main circuit fuse on the battery pole is out of order. Electric motor brushes worn out.	Thoroughly clean the contact terminals. Replace if necessary. Thoroughly clean the contact terminals. Replace if necessary. Replace the fuse. Repair the engine. Stop use of the platform, to avoid damaging the electric motor.
The engine pump is not working.	Light on the control panel off. Main switch not activated or faulty. Main circuit fuse burned out.	Control power supply fuse has burned out . Turn on the main switch, replace if necessary. Replace the fuse. Replace the fuse (10A 24V) – (15A 12V).
The engine pump is not working. Light on the control panel on.	Faulty power relay . Engine brushes are worn out. The engine's thermal switch is on.	Replacement. Replacement. The engine is once again ready for use after it has cooled down for about 5 minutes. Remove the cover of the hydraulic unit to increase cooling.

The following table can be used as guidelines for further analysis of breakdowns.

Fault	Causes	Remedies
The platform does not go up or goes up slowly, the engine pump runs normally.	Insufficient oil in the tank, the pump sucks in air. EVBS solenoid valve not activated or blocked. Faulty pump, VM1 pressure relief valve adjusted too low.	Add oil. Check if, by activating the UP command, the solenoid valve receives electricity and/or check the coil using the magnet checking device . Replace the coil or the valve if necessary. Replace the pump. Check the system's pressure and adjust the valve.
The platform does not go up or goes up slowly, you can hear the engine pump run more slowly.	Battery discharged. Battery low, alternator too weak. Main circuit fuse on the battery pole is oxidized.	Charge the battery. Check the single cells. Check the power supply cable. As an emergency solution, place the vehicle's engine in motion. Install a more powerful alternator. Replace the fuse.
The platform does not go up or goes up slowly .	Main power supply cable contact terminal oxidized . Ground cable contact terminal oxidized . Main circuit fuse on the battery pole is out of order. Electric motor brushes worn out.	Thoroughly clean the contact terminals. Replace if necessary. Thoroughly clean the contact terminals. Replace if necessary. Replace the fuse. Repair the engine. Stop use of the platform, to avoid damaging the electric motor.
The engine pump is not working.	Light on the control panel off. Main switch not activated or faulty. Main circuit fuse burned out.	Control power supply fuse has burned out . Turn on the main switch, replace if necessary. Replace the fuse. Replace the fuse (10A 24V) – (15A 12V).
The engine pump is not working. Light on the control panel on.	Faulty power relay . Engine brushes are worn out. The engine's thermal switch is on.	Replacement. Replacement. The engine is once again ready for use after it has cooled down for about 5 minutes. Remove the cover of the hydraulic unit to increase cooling.

The control power supply fuse always burns out.	Short circuit or excessive electricity absorption.	Detect and eliminate the short circuit. Switch off the valve coils to trace the faulty one.
The engine pump won't stop.	The power relay remains inserted.	Turn off the main switch. If necessary, replace the power relay.
The platform does not open or opens slowly, the engine pump is running.	The EVSR cylinder valves of the tilting device are not responding. VFR flow adjusting valve faulty. Platform is frozen against the body frame.	Check the valve coils, cables, the signal output on the printed circuit command and on the valve body. Replace valve. Defrosting, treat the seal to prevent freezing.
The platform does not open or opens slowly, the engine pump is running.	Platform pivots hard. The platform scrapes against the frame.	Remove and clean the platform pivots. Turn on briefly the Lowering, then the Opening.
The platform goes down too quickly or too slowly (maximum speed 5,9 ips).	VFS flow adjusting valve is dirty or faulty.	Replace valve.
The platform goes down on its own remaining horizontal (i.e. 0,8-1,2 in in 5 minutes).	Lack of tightness in the cylinder lifting seals.	Replace the cylinder seals.
The platform does not go down.	Cables or valves EVSS of the lifting cylinders or valve EVBS are defective.	Replace the cables and/or valve.
The platform does not go up or down with the pedal buttons .	Foot control switch is defective . Interruption of platform cable. Command selector switch not activated.	Replace the switch. Repair or replace the cable. Turn on the selector.
The platform tilts the tip by itself (i.e. 1,2-2 in in 5 minutes).	Lack of tightness in the cylinder tilting seals.	Replace the cylinder seals.
The platform opens too quickly.	VFR flow adjusting valve is dirty or faulty.	Replace valve.
The platform does not close completely.	Tilt cylinder rod extensions poorly regulated.	Adjust properly the extension of the cylinders.

The control power supply fuse always burns out.	Short circuit or excessive electricity absorption.	Detect and eliminate the short circuit. Switch off the valve coils to trace the faulty one.
The engine pump won't stop.	The power relay remains inserted.	Turn off the main switch. If necessary, replace the power relay.
The platform does not open or opens slowly, the engine pump is running.	The EVSR cylinder valves of the tilting device are not responding. VFR flow adjusting valve faulty. Platform is frozen against the body frame.	Check the valve coils, cables, the signal output on the printed circuit command and on the valve body. Replace valve. Defrosting, treat the seal to prevent freezing.
The platform does not open or opens slowly, the engine pump is running.	Platform pivots hard. The platform scrapes against the frame.	Remove and clean the platform pivots. Turn on briefly the Lowering, then the Opening.
The platform goes down too quickly or too slowly (maximum speed 5,9 ips).	VFS flow adjusting valve is dirty or faulty.	Replace valve.
The platform goes down on its own remaining horizontal (i.e. 0,8-1,2 in in 5 minutes).	Lack of tightness in the cylinder lifting seals.	Replace the cylinder seals.
The platform does not go down.	Cables or valves EVSS of the lifting cylinders or valve EVBS are defective.	Replace the cables and/or valve.
The platform does not go up or down with the pedal buttons .	Foot control switch is defective . Interruption of platform cable. Command selector switch not activated.	Replace the switch. Repair or replace the cable. Turn on the selector.
The platform tilts the tip by itself (i.e. 1,2-2 in in 5 minutes).	Lack of tightness in the cylinder tilting seals.	Replace the cylinder seals.
The platform opens too quickly.	VFR flow adjusting valve is dirty or faulty.	Replace valve.
The platform does not close completely.	Tilt cylinder rod extensions poorly regulated.	Adjust properly the extension of the cylinders.

The platform does not lift the entire load.	Load too heavy or load center of gravity exceeded. Suction filter clogged. Faulty pump. VM1 pressure relief valve poorly adjusted or faulty.	Check the load. Observe the load diagram. Replace filter. Replace the pump. Detect the pressure via a pressure gauge and adjust the valve. Replace if necessary.
The tip of the platform does not tilt towards the ground.	The tilt switch does not activate the tilt cylinders valves.	Check and, if necessary, replace the tilt switch.
The platform stops while going up or down using the foot control.	Platform table cut-off.	Repair or replace the cable.

Some points on the faults table require special skills and specific knowledge.

If in doubt about any point, STOP the check and consult ANTEO S.p.A. before proceeding.

The platform does not lift the entire load.	Load too heavy or load center of gravity exceeded. Suction filter clogged. Faulty pump. VM1 pressure relief valve poorly adjusted or faulty.	Check the load. Observe the load diagram. Replace filter. Replace the pump. Detect the pressure via a pressure gauge and adjust the valve. Replace if necessary.
The tip of the platform does not tilt towards the ground.	The tilt switch does not activate the tilt cylinders valves.	Check and, if necessary, replace the tilt switch.
The platform stops while going up or down using the foot control.	Platform table cut-off.	Repair or replace the cable.

Some points on the faults table require special skills and specific knowledge.

If in doubt about any point, STOP the check and consult ANTEO S.p.A. before proceeding.