



DIAGNOSTIC TROUGHT MESSAGES SPIDER1365-1380	
BLINKING TIMES LED "Msg" ON BASKET PANEL	MEANING and ACTION
Msg = 1 blink + PAUSE	The turret of the machine is not leveled between +/-1.5° of slope on both axes X and Y. In this condition also the acoustic signal starts. Possible causes: <ul style="list-style-type: none">• Machine not correctly stabilized.• Planarity sensor not correctly working.• Just replaced the sensor and you need to reset it. (see reset procedure).
Msg = 2 blink + PAUSE	Planarity sensor wire cut. Possible causes: <ul style="list-style-type: none">• Wire cut between sensor and electric ground panel.• Connector present on the sensor disconnected.• If the sensor is not working correctly then will appear the message 1 since it has higher priority.
Msg = 3 blink + PAUSE	Wire cut on boom angle sensor 1. Possible causes: <ul style="list-style-type: none">• Wire cut between boom angle sensor 1 and electric ground panel.• Connector present on boom angle sensor 1 disconnected.• Sensor broken: no signal coming out.
Msg = 4 blink + PAUSE	Wire cut on boom angle sensor 2. Possible causes: <ul style="list-style-type: none">• Wire cut between boom angle sensor 2 and electric ground panel.• Connector present on boom angle sensor 2 disconnected.• If the sensor is not working correctly then will appear the message 3 since it has higher priority.
Msg = 5 blink + PAUSE	Wire cut load sensor 1. Possible causes: <ul style="list-style-type: none">• Wire cut between load sensor 1 and electric ground panel.• Connector present on load sensor 1 disconnected.• Sensor broken: no signal coming out.

PLATFORM BASKET S.r.l.

Uffici e Sede Operativa: Via Grande, 27 - 42028 Poviglio (RE) Italy - Tel. +39 0522 967666 - Tel./Fax +39 0522 967667

www.basket-platforms.com - E-mail: amministrazione@basket-platforms.it

Cap. Soc. € 90.000,00 i.v. Iscr. al Registro Imprese di RE n. 02183010350 - R.E.A. C.G.I.A.A. di Reggio Emilia n. 258777

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Msg = 6 blink + PAUSE	Wire cut load sensor 2. Possible causes: <ul style="list-style-type: none">• Wire cut between load sensor 2 and electric ground panel.• Connector present on load sensor 2 disconnected.• If the sensor is not working correctly then will appear the message 5 since it has higher priority.
Msg = 7 blink + PAUSE	Wire cut or short circuit to positive supply on Boom Joystick. Possible causes: <ul style="list-style-type: none">• Wire cut out from the Boom Joystick. Joystick give out a double signal , one wire is read by the electronic card into the basket. Second wire is read by electronic card at ground passing through the boom cable.• Connector present on Boom Joystick disconnected inside the basket panel.• Boom Joystick wire shorted to positive +5V or +12V.• Joystick broken: no signal coming out.
Msg = 8 blink + PAUSE	Wire cut or short circuit to positive supply on Column Joystick. Possible causes: <ul style="list-style-type: none">• Wire cut out from the Column Joystick. Joystick give out a double signal , one wire is read by the electronic card into the basket. Second wire is read by electronic card at ground passing through the boom cable.• Connector present on Column Joystick disconnected inside the basket panel.• Column Joystick wire shorted to positive +5V or +12V.• Joystick broken: no signal coming out.
Msg = 9 blink + PAUSE	Wire cut or short circuit to positive supply on Extension Boom Joystick. Possible causes: <ul style="list-style-type: none">• Wire cut out from the Extension Boom Joystick. Joystick give out a double signal , one wire is read by the electronic card into the basket. Second wire is read by electronic card at ground passing through the boom cable.• Connector present on Extension Boom Joystick disconnected inside the basket panel.• Extension Boom Joystick wire shorted to positive +5V or +12V.• Joystick broken: no signal coming out.

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<p>Msg = 10 blink + PAUSE</p>	<p>Wire cut or short circuit to positive supply on Fly Jib Joystick. Possible causes:</p> <ul style="list-style-type: none">• Wire cut out from the Fly Jib Joystick. Joystick give out a double signal , one wire is read by the electronic card into the basket. Second wire is read by electronic card at ground passing through the boom cable.• Connector present on Fly Jib Joystick disconnected inside the basket panel.• Fly Jib Joystick wire shorted to positive +5V or +12V.• Joystick broken: no signal coming out.
<p>Msg = 11 blink + PAUSE</p>	<p>Wire cut or short circuit to positive supply on Right Track Joystick. Possible causes:</p> <ul style="list-style-type: none">• Wire cut out from the Right Track Joystick. Joystick give out a double signal, both wires are read by the electronic card at ground passing through the spiral cable present between remote control and ground control panel.• Connector present on Right Track Joystick disconnected inside the remote control panel.• Right Track Joystick wire shorted to positive +5V or +12V.• Spiral cable present on side electric panel disconnected.• Joystick broken: no signal coming out.
<p>Msg = 12 blink + PAUSE</p>	<p>Wire cut or short circuit to positive supply on Left Track Joystick. Possible causes:</p> <ul style="list-style-type: none">• Wire cut out from the Left Track Joystick. Joystick give out a double signal, both wires are read by the electronic card at ground passing through the spiral cable present between remote control and ground control panel.• Connector present on Left Track Joystick disconnected inside the remote control panel.• Left Track Joystick wire shorted to positive +5V or +12V.• Spiral cable present on side electric panel disconnected.• Joystick broken: no signal coming out.
<p>Msg = 13 blink + PAUSE</p>	<p>Boom angle sensor fault. Possible causes:</p> <ul style="list-style-type: none">• The two signals coming from the boom angle sensor are too much different (> di 5°).• Due to safety reasons is firmly suggested to replace the sensor. After replacement a reset must be carried out (see procedure).

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Msg = 14 blink + PAUSE	Load sensor fault. Possible causes: <ul style="list-style-type: none">• The two signals coming from the boom angle sensor are too much different ($> 200\text{Kg}$).• Due to safety reasons is firmly suggested to replace the sensor. After replacement a reset must be carried out (see procedure).
Msg = 15 blink + PAUSE	Boom joystick fault. Possible causes: <ul style="list-style-type: none">• The sum relative to the two signals coming from the Boom Joystick is out of range ($5.1\text{Volt} \pm 0.4\text{Volt}$).• Check the voltage on the voltage supplier present inside cage control panel. It should be $5\text{Volt} \pm 0.4\text{Volt}$ (joystick feeding).• In case of joystick replacement pay attention to do not invert the connector side, for any doubt please refer to the electric diagram.
Msg = 16 blink + PAUSE	Column joystick fault. Possible causes: <ul style="list-style-type: none">• The sum relative to the two signals coming from the Column Joystick is out of range ($5.1\text{Volt} \pm 0.4\text{Volt}$).• Check the voltage on the voltage supplier present inside cage control panel. It should be $5\text{Volt} \pm 0.4\text{Volt}$ (joystick feeding).• In case of joystick replacement pay attention to do not invert the connector side, for any doubt please refer to the electric diagram.
Msg = 17 blink + PAUSE	Extension Boom joystick fault. Possible causes: <ul style="list-style-type: none">• The sum relative to the two signals coming from the Extension Boom Joystick is out of range ($5.1\text{Volt} \pm 0.4\text{Volt}$).• Check the voltage on the voltage supplier present inside cage control panel. It should be $5\text{Volt} \pm 0.4\text{Volt}$ (joystick feeding).• In case of joystick replacement pay attention to do not invert the connector side, for any doubt please refer to the electric diagram.
Msg = 18 blink + PAUSE	Fly Jib joystick fault. Possible causes: <ul style="list-style-type: none">• The sum relative to the two signals coming from the Fly Jib Joystick is out of range ($5.1\text{Volt} \pm 0.4\text{Volt}$).• Check the voltage on the voltage supplier present inside cage control panel. It should be $5\text{Volt} \pm 0.4\text{Volt}$ (joystick feeding).• In case of joystick replacement pay attention to do not invert the connector side, for any doubt please refer to the electric diagram.

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<p>Msg = 19 blink + PAUSE</p>	<p>Right Track joystick fault. Possible causes:</p> <ul style="list-style-type: none"> • The sum relative to the two signals coming from the Right Track Joystick is out of range (5.1Volt +/- 0.4Volt). • Check the voltage on the voltage supplier present inside cage control panel. It should be 5Volt +/- 0.4Volt (joystick feeding). • In case of joystick replacement pay attention to do not invert the connector side, for any doubt please refer to the electric diagram.
<p>Msg = 20 blink + PAUSE</p>	<p>Left Track joystick fault. Possible causes:</p> <ul style="list-style-type: none"> • The sum relative to the two signals coming from the Left Track Joystick is out of range (5.1Volt +/- 0.4Volt). • Check the voltage on the voltage supplier present inside cage control panel. It should be 5Volt +/- 0.4Volt (joystick feeding). • vIn case of joystick replacement pay attention to do not invert the connector side, for any doubt please refer to the electric diagram.
<p>Msg = 21 blink + PAUSE</p>	<p>“EMERGENCY RESCUE” button used. Possible causes:</p> <ul style="list-style-type: none"> • “EMERGENCY RESCUE” button was pressed. • “EMERGENCY RESCUE” procedure has been used (the safety system was overridden) • Is necessary to reset the alert by a Platform Basket authorized person
<p>Msg = 22 blink + PAUSE</p>	<p>“EMERGENCY RESCUE” button faulty (short circuit). Possible causes:</p> <ul style="list-style-type: none"> • “EMERGENCY RESCUE” button is recognized faulty (short circuit) • Check the cable • Check the button
<p>Msg = 23 blink + PAUSE</p>	<p>CPU Master and CPU slave aren't connected. Possible causes:</p> <ul style="list-style-type: none"> • The cable placed into the boom is broken • CAN-BUS faulty (check the cable and the resistors) • CPU faulty
<p>Msg = Fast blinking</p>	<p>220V electric motor over temperature. Possible causes:</p> <ul style="list-style-type: none"> • 220V electric motor overheating • Turn off the motor until it has cooled

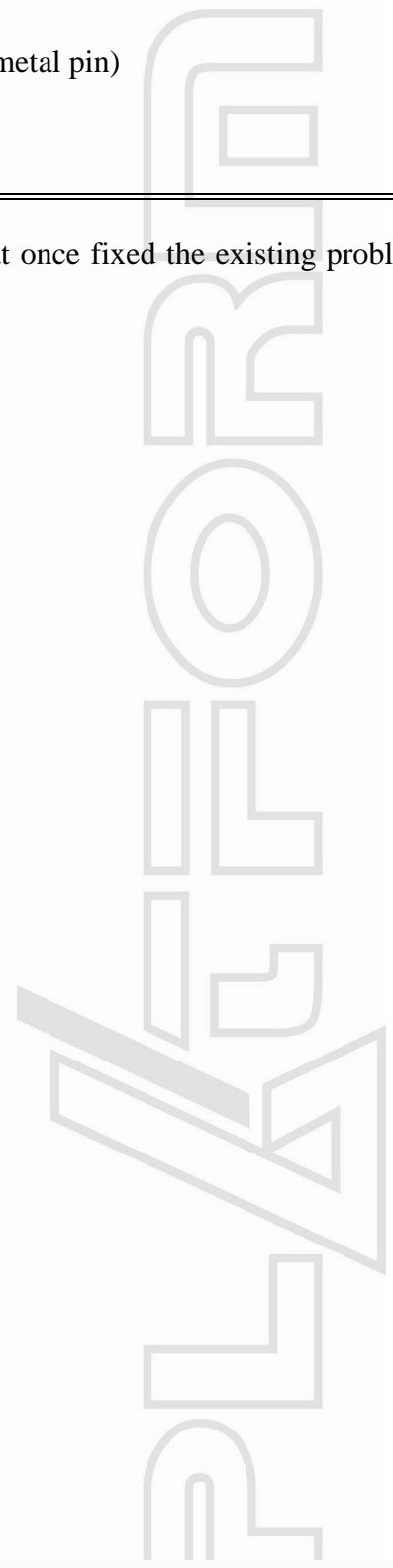
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<p>Msg = On (steady On)</p>	<p>Cage not correctly locked (at least with one stabilizer on ground). Possible causes:</p> <ul style="list-style-type: none">• Cage isn't correctly locked• Sensor doesn't read the counterpart (metal pin)• Cable broken• Sensor faulty
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N.B: All messages are appearing in priority order, then could happen that once fixed the existing problem then a second message will be displayed.



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