



Troubleshooting protocol

Maxi XL Magnum Hydro

Date	Company/workshop	Your reference
Phone	E-mail	

Vehicle identity

Manufacturer/brand	Registrationnumber	Owner
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P-LIGHT Identity

Serienr P-LIGHT lådan (yellow label on the inside or outside, always starts with 1 letter) Letter 5 Numbers	Serial number P-LIGHT electronicbox (label on electronicbox)
Describe errors/problem	

Checkpoints

		OK	Measure
1	Do an ocular inspection of the P-LIGHT so that no damage has occurred.	<input type="checkbox"/>	<input type="checkbox"/>
2	Check that wiring for connection of P-LIGHT have the right cable area, see instruction.	<input type="checkbox"/>	<input type="checkbox"/>
3	Check that enclosed ferrit core is mounted on incoming cable.	<input type="checkbox"/>	<input type="checkbox"/>
4	Check that the wiring has no damage or breakage.	<input type="checkbox"/>	<input type="checkbox"/>
5	Check that both lighting circuits are connected to the electronics (terminal 4 and 6) to insure full charging capacity .If extended charge is present (above 10A), check that it is connected as instructed and has sufficient charging capacity.	<input type="checkbox"/>	<input type="checkbox"/>
6	Check that the ground is connected to terminal 3 , at extended charge ,see instruction.	<input type="checkbox"/>	<input type="checkbox"/>
7	Check that external equipment such as for example that the radio ,tailgate lift and/or cabinet lighting are connected to the toggle switches AUX/30, 31 and/or 32.	<input type="checkbox"/>	<input type="checkbox"/>
8	Check that no external equipment is connected directly to the batteries.	<input type="checkbox"/>	<input type="checkbox"/>
9	Maxi XL,Magnum and Hydro ,check the fuse dimensioning for power take-off. The fuse must be dimensioned according to load , socket x1,5 , eg 100A= fuse approx.: 150A	<input type="checkbox"/>	<input type="checkbox"/>
10	Run test programs and check the values whit the truck connected, note the lighting must be on on the truck but the truck does not have to be running. Fill in the values at page 2!	<input type="checkbox"/>	<input type="checkbox"/>
11	Make sure the batteries are fully charged when service/repair is complete.	<input type="checkbox"/>	<input type="checkbox"/>
12	Check that the lid seal is undamaged.	<input type="checkbox"/>	<input type="checkbox"/>
13	Check cable glands so that they are tight and sealed. Unused cable glands must be plugged in. For example whit a plug, bolt or similar	<input type="checkbox"/>	<input type="checkbox"/>
14	Tightening screws to lids, use hand force – not machine, 8-10 Nm.	<input type="checkbox"/>	<input type="checkbox"/>
15	Check that all functions and operations work properly.	<input type="checkbox"/>	<input type="checkbox"/>
16	Check that all bolts are tightened.	<input type="checkbox"/>	<input type="checkbox"/>

Checkpoints hydraulics and axle steering, see page 2

Checkpoints hydraulics and axle steering

Checkpoints

	OK	Measure
Hydraulics	<input type="checkbox"/>	<input type="checkbox"/>
1 Check hydraulic oil level	<input type="checkbox"/>	<input type="checkbox"/>
2 Check that all connections are tight and that there is no leakage.	<input type="checkbox"/>	<input type="checkbox"/>
3 Check that hydraulic functions and operations work.	<input type="checkbox"/>	<input type="checkbox"/>
Addition axlestearing		
Note! It is important that the recommended hydraulic oil is used , e.g. ISO VG 15/Q8 Hindemith LT.		
1 Check that the hose dimension is met, recommended ½" least 3/8"	<input type="checkbox"/>	<input type="checkbox"/>
2 Check that the reverse signal is connected.	<input type="checkbox"/>	<input type="checkbox"/>
3 Check that V-Max from EBS is connected.	<input type="checkbox"/>	<input type="checkbox"/>
Note! Whit truck connected and active EBS-signal		
4 Check that control functions work , Right-Left_Hydraulic lock	<input type="checkbox"/>	<input type="checkbox"/>
5 Check that hydraulic and/or pneumatic lock is activated by the reverse signal.	<input type="checkbox"/>	<input type="checkbox"/>

Testprogram value Control unit 1

Code U4	Guidevalue min 24V	Code U6	Guidevalue min 24V	Code U8	Guidevalue 0V	Code UC	Guidevalue ca 28/20°C	Code U1	Guidevalue ca 25V
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Testprogram value Control unit 2

Code U4	Guidevalue min 24V	Code U6	Guidevalue min 24V	Code U8	Guidevalue 0V	Code UC	Guidevalue ca 28/20°C	Code U1	Guidevalue ca 25V
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Testprogram value Control unit 3

Code U4	Guidevalue min 24V	Code U6	Guidevalue min 24V	Code U8	Guidevalue 0V	Code UC	Guidevalue ca 28/20°C	Code U1	Guidevalue ca 25V
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