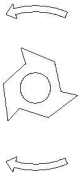
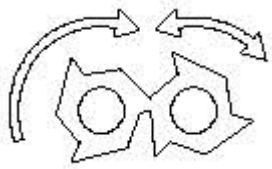
## Operating elements on shredder

| Button | Designation |
|---|---|
| | **Operating mode switch on the shredder** |
| Left shredding tool forwards/backwards  | Left shredding tool, allow to rotate forwards/backwards. |
| Right shredding tool forwards/backwards  | Right shredding tool, allow to rotate forwards/backwards. |
| Asynchronous  | Non-uniform running of the shredding tools.<br>Reversing both shredding tools with additional pressure cut-off. |
| Automatic on  | Automatic runs in low idle state until automatic mode of remote control system (automatic on) is activated. |



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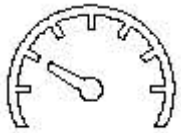
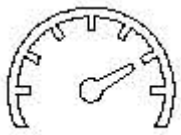
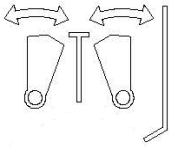
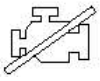
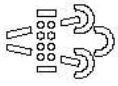
| | |
|---|---|
| Manual idle state  | In its low idle state, engine runs at approx. 700 rpm and automatic mode is not possible.<br>Machine can be operated manually, e.g. chain drive left and right, lift/lower machine, discharge conveyor belt forwards/backwards and shredding tool left and right forwards/backwards. |
| Manual full load  | In its increased idle state, engine runs at approx. 1,500 rpm (e.g. for faster movement) and automatic mode is not possible.<br>Machine can be operated manually, e.g. chain drive left and right, lift/lower machine, discharge conveyor belt forwards/backwards and shredding tool left and right forwards/backwards. |
| Open/close rake  | Open/close rake for variation of end grain size. |

## Indicator lights on shredder

| Indicator lights | | |
|---|---|---|
| **Designation** | **Cause** | **Action / remedy** |
| Engine fault “flashing”  | ▪ Fault in engine-CAN communication (SAE-J1939),<br>▪ Plug-in connection loose, cable harness fault | System restart,<br>Check cable connection,<br>Contact ARJES Service Department. |
| Engine fault and LED 2 “flashing”  | ▪ Diesel particle filter over 60% full | Regeneration of diesel particle filter / starting exhaust gas aftertreatment<br>Diesel particle filter over 60% - 70% full => LED engine fault + LED 2 flashing<br>Regeneration can be started, automatic mode still possible. |



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| Indicator lights | | |
|---|---|---|
| **Designation** | **Cause** | **Action / remedy** |
| | | Diesel particle filter over 70% full => automatic mode not possible, regeneration must be performed.<br>Diesel particle filter over 80% full => regeneration can only be performed by Volvo Penta.<br><br>Starting regeneration<br>LED engine fault + LED 2 flashing => Regeneration can be started.<br>Left/right shredding tool 3 sec. Hold backwards => regeneration starts, all LEDs on the SCU flash. (During the regeneration process, engine speed is automatically changed by engine management).<br>After completion of the regeneration process, all LEDs on the SCU go out => automatic mode can recommence. |
| Coolant temperature "flashing"  | ▪ Coolant too hot | Cooling cycle at 1200 rpm when finished idle state. |
| Hydraulic oil level "flashing"  | ▪ Error with CA-communication within SCU | Replace SCU,<br>Contact ARJES Service Department. |



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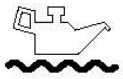
| Indicator lights | | |
|---|---|---|
| **Designation** | **Cause** | **Action / remedy** |
| | | |
| Engine fault<br>“static”<br>  | ▪ Engine fault for coolant level<br>▪ Engine level “red light” | Check coolant, refill if necessary.<br>Check fault indicator in Volvo display. |
| Hydraulic oil filter<br>  | ▪ Pressure difference too high even after warm-up,<br>▪ Hydraulic oil filter is soiled,<br>▪ Sensor fault, cable harness fault | Wait for warm-up,<br>Replace hydraulic oil filter,<br>Contact ARJES Service Department |
| Hydraulic temperature<br>“static”<br>  | ▪ Overheating through overload (temporary)<br>▪ Sensor fault, cable harness fault | Automatic switches off by itself causing recooling,<br>Contact ARJES Service Department<br>Cooling cycle at 1200 rpm when finished idle state. |
| Hydraulic oil level<br>“static”<br>  | ▪ Not enough hydraulic oil in tank.<br>▪ Sensor fault, cable harness fault | Check hydraulic oil, refill if necessary.<br>Contact ARJES Service Department. |
| Fuel shortage<br>  | ▪ Fuel level too low.<br>▪ Sensor fault, cable harness fault | Check the fill level and correct, troubleshoot peripherals.<br>Automatic turns off. |



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