

State	Condition	Notification Method	Symbol
Active regeneration operating	Soot level (100% ~) Elapsed 100 hour from past regeneration	Constant	
Manual regeneration request 1	Soot level (105 ~ 120%)	Constant	
Manual regeneration operating	Activating manual regeneration by operator	Constant	
Regeneration prohibition	Inhibition switch in the "Regeneration Prohibition" condition	Constant	
Service request	Soot level (over 120%)	Fast Blinking + Buzzer	

NOTE: Contact your DOOSAN distributor for service regeneration and DPF replacement.

NOTE: If manual (forced) regeneration is necessary after the inhibited regeneration switch is turned "ON", press inhibited regeneration switch again to turn "OFF" the inhibit symbol. Press switch to manual (forced) regeneration position to activate system.

Active Regeneration

No action by the operator is required to start active regeneration. Regeneration is automatically activated by the engine control unit (ECU). Contact your DOOSAN distributor for more information.

Active regeneration can occur anytime the engine is running, while operating the machine or when the machine is parked. During regeneration, the regeneration light and the high temperature warning light turn "ON" to alert the operator of hot engine exhaust gases. Machine operation can continue, but the operator should keep engine exhaust away from flammable materials. The operator can choose to "inhibit" active regeneration, if operating conditions are not favorable to hot engine exhaust temperatures (e.g. working near flammable materials).

When completed, the regeneration lights on the monitor will turn "OFF".



NOTICE

Do not stop engine during regeneration. This can severely damage the SCR.

Manual (Forced) Regeneration

The regeneration is manually (forced) activated by the operator when the operator chooses to start the regeneration process. Manual (forced) regeneration may be required if the operator "inhibits" the active regeneration process for an extended period of time because the operating conditions are not favorable to hot engine exhaust temperatures (e.g. working near flammable materials).

Procedures for manual (forced) regeneration by the operator.

1. Park machine in a well ventilated area and away from flammable materials.
2. Set up machine in the following manner:
 - A. Operate machine until engine coolant and oil temperatures are above 40°C (104°F).
 - B. Set engine speed to "LOW IDLE".
 - C. Put transmission lever in "NEUTRAL" and engage parking brake (Wheel excavator only).
3. Move safety lever to "LOCK" position.
4. Activate regeneration switch (Figure 25) to start regeneration process.

NOTE: *Regeneration light on monitor will be "ON".*

NOTE: *Regeneration switch should be pushed 3 - 8 sec for regeneration.
If push time is over 16 sec, fault code would be displayed on monitor.*

Engine speed will gradually increase from "LOW IDLE" to 2,000 rpm and regeneration process will then start.

During regeneration, high temperature warning light will be "ON".

When regeneration stops, regeneration and high temperature warning lights will turn "OFF".

NOTE: *Operator can stop manual (forced) regeneration by raising safety lever to "UNLOCK" position.*

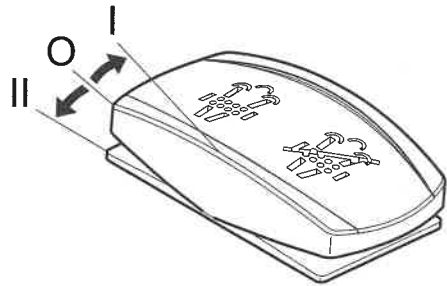


Figure 25

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