SR270
SV340
Tier 4B (final)
Alpha Series Skid Steer Loader

SR270 PIN NGM418237 and above
SV340 PIN NGM418237 and above

TR340
TV380
Tier 4B (final)
Alpha Series Compact Track Loader

TR340 PIN NGM418237 and above
TV380 PIN NGM418237 and above

OPERATOR'S MANUAL

Part number 47917311
1st edition English
July 2016

CASE CONSTRUCTION

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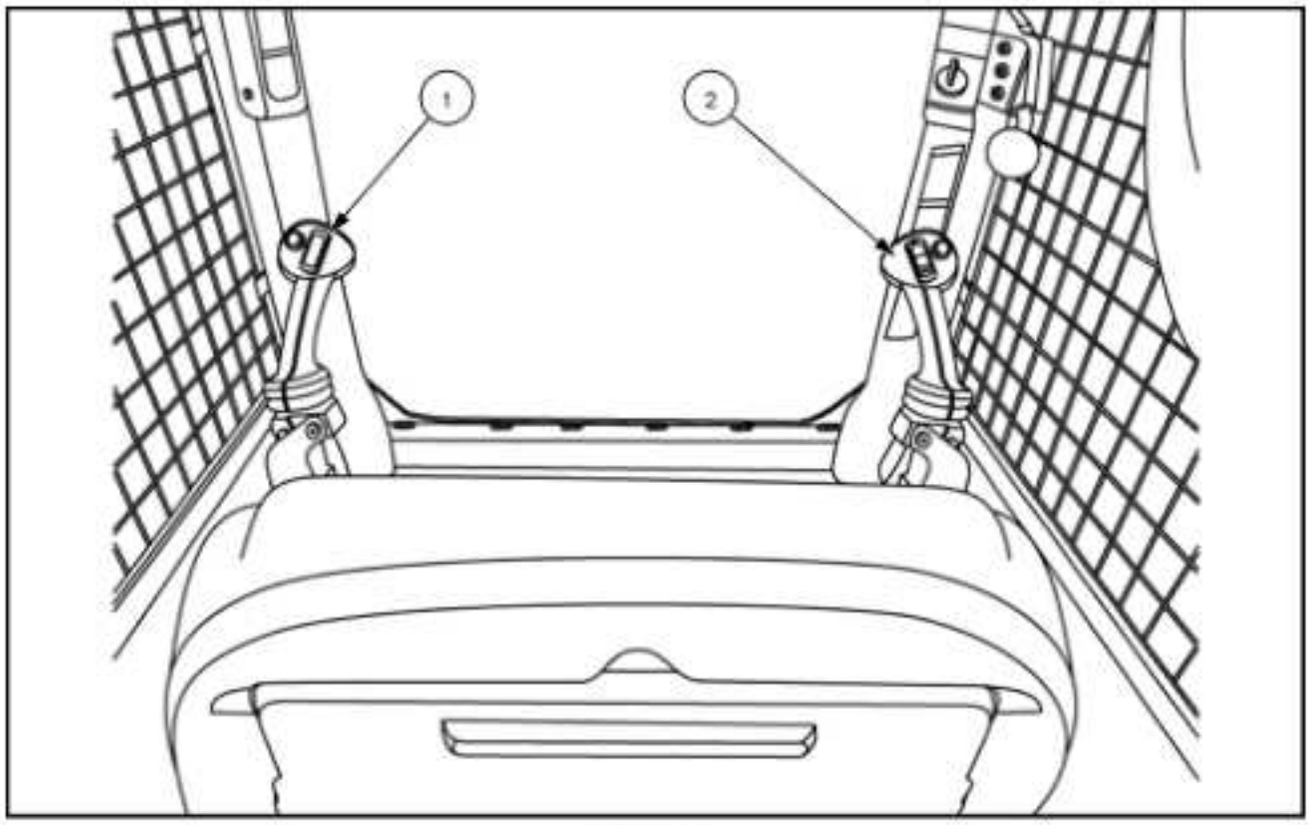
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H control pattern lift arm and bucket controls

Lift arm raise/lower control



83109347C 1

Lift arm raise and lower control.

- The left-hand control lever **(1)** controls the lift arm. The lift arm will raise by pivoting the handle "UP" to the outside of the cab. Pivoting the handle "DOWN" to the inside of the cab will lower the lift arm.
- The lift arm spool is equipped with a detent "FLOAT" circuit if the operator wants the lift arm to float over changing ground contour.
  For the Electro-Hydraulic (EH) system, the float is engaged by pressing the float button on the right-hand control lever **(2)** and pushing the left-hand control lever **(1)** partially to the down stroke. If the operator has the left-hand control lever partially in the down stroke position and then presses the float button, the float will engage. To disengage the float, pull the left-hand control lever to the up stroke slightly.



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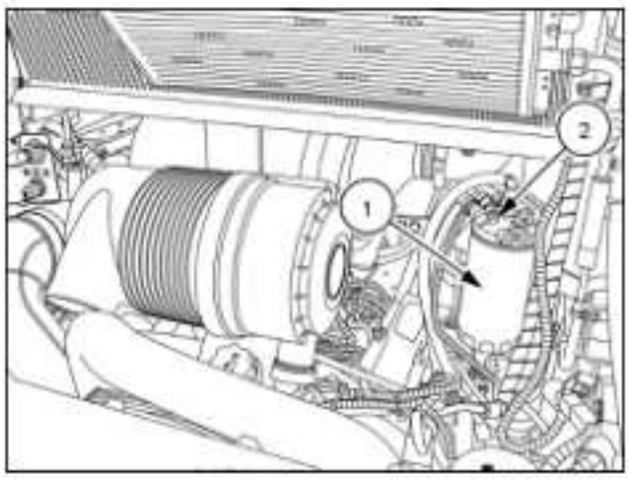
Fuel filter

Replace the fuel filter every **500 h** of operation.

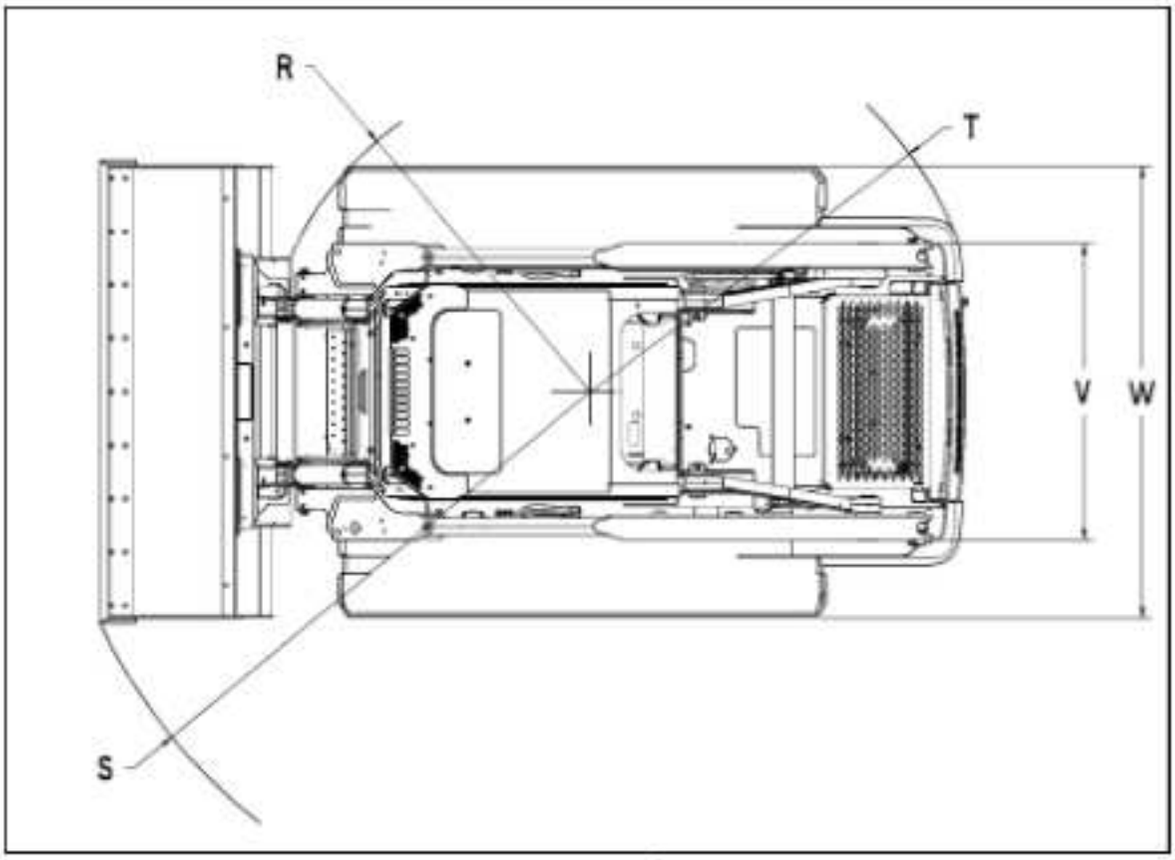
1. Open the engine hood. Locate the fuel filter **(1)** on the right-hand side of the engine compartment.
2. Clean the area around the fuel filter **(1)** before you proceed.
3. Use a strap wrench and remove the fuel filter **(1)**.
4. Remove the rubber seal from the stud on the filter head.
5. Use a cloth and clean the gasket surfaces of the filter body.
6. Apply clean engine oil to the new rubber seal.
7. Install the rubber seal on the filter head stud.
8. Apply clean engine oil to the gasket of the new filter. DO NOT fill the new filter with fuel before installation.
9. Turn the filter onto the filter body until the filter gasket makes contact with the filter body. Continue to tighten the filter with your hand for 1/2 to 3/4 turn.

NOTICE: *DO NOT use a strap wrench to tighten the filter.*

10. Turn the bleed screw **(2)** out two to three turns and pump the hand pump on top of the prefilter (located on the bottom of the door) until fuel is coming out of the bleed screw **(2)**; then immediately close the bleed screw **(2)** while fuel is coming out.
11. Start the engine and check for fuel leaks around the fuel filter.
12. Close the engine hood.



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RAIL1432LOH01EA B

LARGE RADIAL FRAME TRACK UNITS (TR340)

ITEM	COMPONENT	MEASUREMENT
R	Loader arm clearance circle (no attachment)	**1400 mm (55.1 in)**
S	Clearance circle with standard bucket	**2172 mm (85.5 in)**
T	Clearance circle rear	**1809 mm (71.2 in)**
V	Over the track width	**1480 mm (58.3 in)**
W	Overall width	**1930 mm (76.0 in)**
Operating weight		**4536 kg (10000 lb)**
SAE Rated Operating Capacity (ROC)		
	35% of tipping load	**1079 kg (2379 lb)**
	50% of tipping load	**1542 kg (3400 lb)**
Tipping load		**3084 kg (6799 lb)**
Counter weight (optional)		**273.0 kg (601.9 lb)**
Cab side glass (optional)		**21.3 kg (47.0 lb)**
Cab glass door (optional)		**60.8 kg (134.0 lb)**
Cab Lexan door (optional)		**33.6 kg (74.1 lb)**
Suspension seat (optional)		**10.0 kg (22.0 lb)**
NOTE: *All measurements are based on machines with a* ***1981.2 mm (78.0 in)*** *Dirt & Foundry (DF) bucket.*		

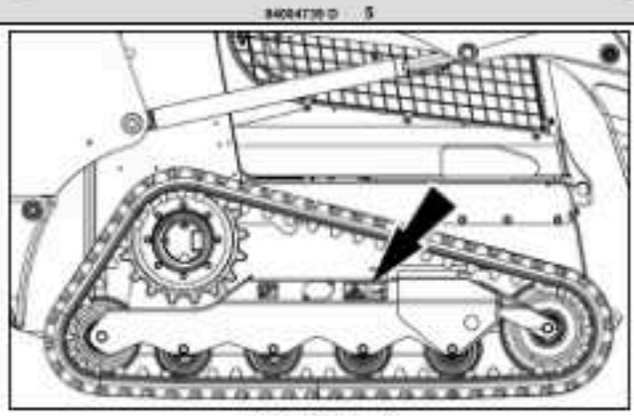
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CAUTION
Flying debris. Stay clear. Failure to comply could result in minor or moderate injury.

Quantity: 2
Pictorial: 84004739



Location:
On the track debris guard. One on each side of the machine.



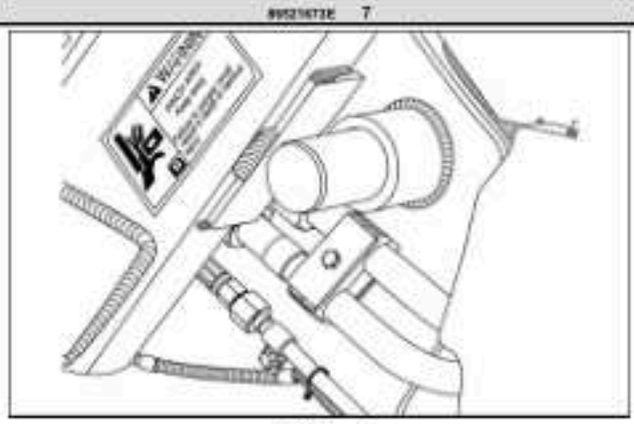
NOTE: *Only applicable to Compact Track Loaders (CTL) models TR340 and TV380.*

WARNING
PINCH AREA
Keep away. Failure to comply could result in death or serious injury.

Quantity: 1
English: 86521673
Pictorial: 86531262



Location:
On the left-hand side of the boom where it rests against the lift arm support pin.



NOTE: *Only applicable to models SV340 and TV380.*

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Constant ambient storage temperature	Minimum shelf life
[2] Significant loss of shelf life: check every batch before use. See your CASE CONSTRUCTION dealer for more information on testing.	

NOTE: *The main factors taken into account to define the shelf life in the table above are the ambient storage temperature and the initial alkalinity of* ***DEF/AdBlue®****. The difference in evaporation between vented and non-vented storage containers is an additional factor.*

NOTE: *The information in the Shelf life table is for reference only. Source:* ***ISO 22241-3*** *Diesel engines - NOx reduction agent AUS 32 - Part 3: Handling, transportation and storage.*

NOTE: ***DEF/AdBlue®*** *that remains in the tank of the machine after the season does not require any special precautions unless storage exceeds the shelf life table above.*

Disposal

- Dispose of **DEF/AdBlue®** and any filter accumulations in accordance with all applicable Federal, State, and local laws governing waste disposal.

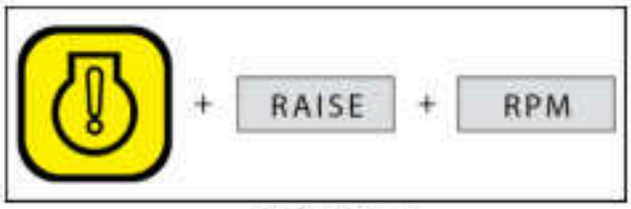
Hydrocarbon management

If the engine is run at low idle speed for a prolonged period of time, hydrocarbons can accumulate in the SCR catalyst. To manage this accumulation, your machine will monitor current conditions and will notify the operator to increase engine RPM or may automatically increase if an operator is not present.

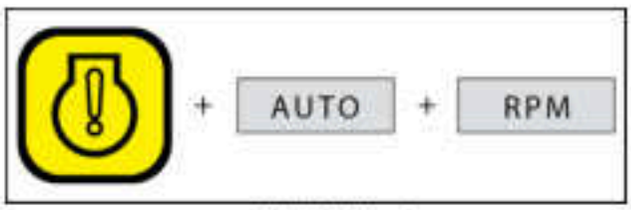
NOTICE: *Unless the Hydrocarbon (HC) level has reached the most critical level, running the unit under load is advantageous for quickly reducing the HC levels.*

There are two indicators that can be displayed to inform you that hydrocarbon management is active. One will be an indicator lamp on the instrument cluster and the other one will alternate on the display screen:

- Low Idle Increase Recommended - The instrument cluster may request the engine speed be increased when operating at lower temperatures or with lighter engine loads in order to elevate SCR temperatures. Increase engine RPM and continue to operate the machine.



- Automatic Low Idle Increase Active - The engine RPM may automatically increase if an operator is not present.

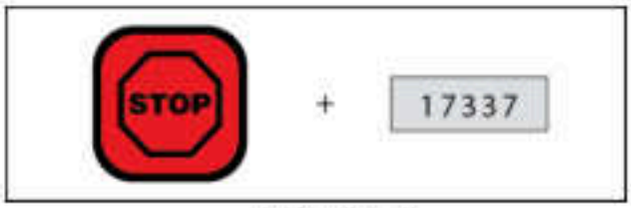


- SCR Catalyst Full - The SCR catalyst has become clogged with hydrocarbon accumulation.

  Park the machine and raise the engine RPM to a minimum of **1400 RPM** until the fault clears.

  NOTE: *This procedure may take up to* ***1 - 2 h*** *to complete depending on the ambient air temperature.*

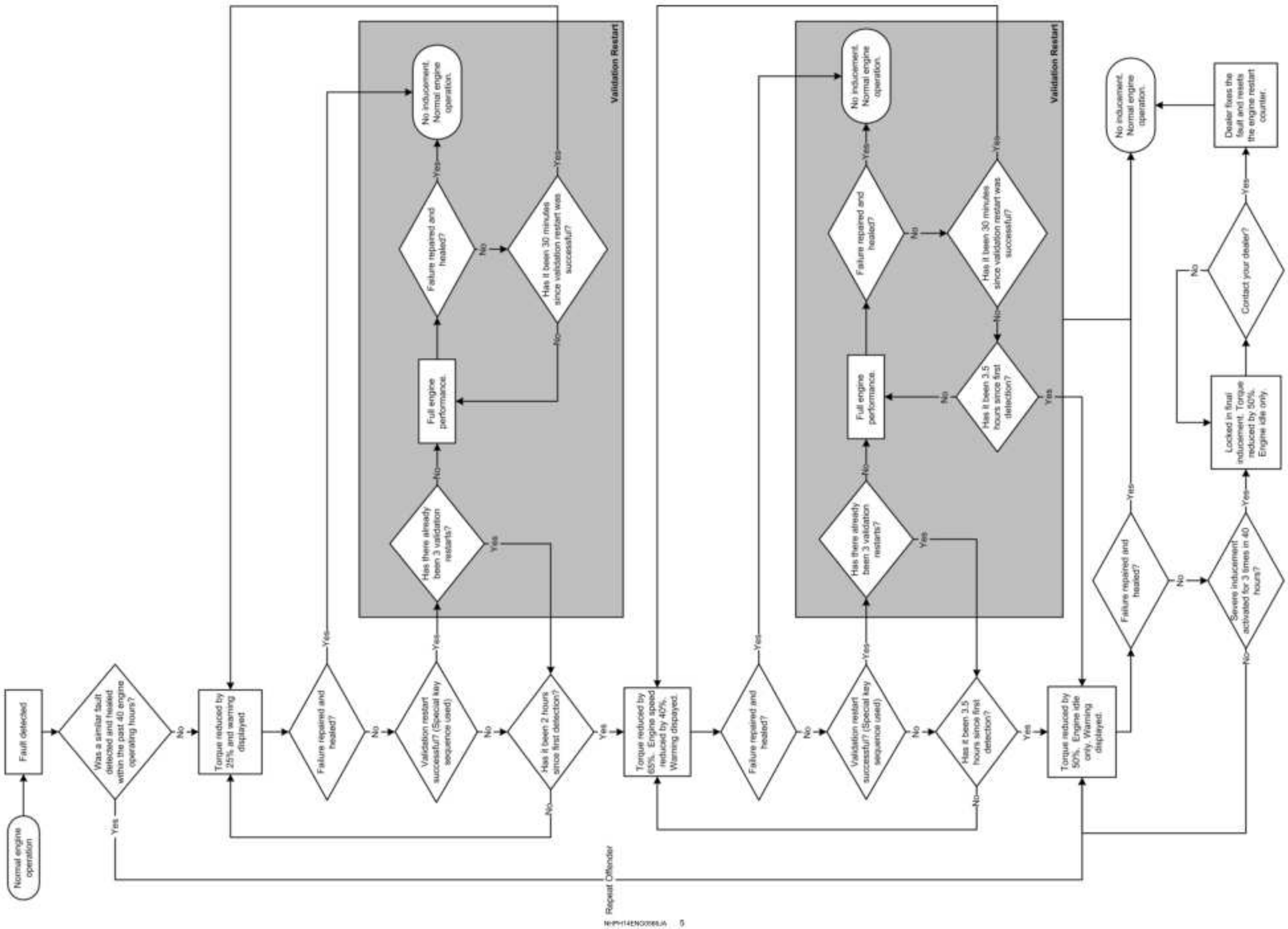
  NOTICE: *Do not turn off the engine, drive the machine, or increase the load on the machine to avoid damage to the catalyst. Failure to comply could cause component damage.*



US Environmental Protection Agency (EPA) Warranty Statement

FPT Industrial S.p.A. warrants to the ultimate purchaser and each subsequent purchaser that the engine is designed, built and equipped so as to conform with US Environmental Protection Agency (EPA) regulations

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