

Number: TSB-FC-2016-279 CS7000 Exhaust wrap kits

Symptom: Louder than normal exhaust noise from the engine, or smoke or burning smell coming from the exhaust system.

Date: October 25th, 2016

Urgency: General

Author: Aaron Clark

Urgency:



GENERAL: General information

SYMPTOM:

Louder than normal exhaust noise from the engine, or smoke or burning smell coming from the exhaust system.

PRODUCTS:

Model Name: CS7000 (All Gasoline and LP) & Haram Captor II

Model No.'s : 56384409, 56509000, 56509003, 56509006, 56511000, 56511001, 56511002, 56511540 LEV, 56511541 LEV, 56511564 LEV

LEV (Low Emission Vehicle) -> EFI (Electronic Fuel Injection)

NOTE : see page 3 for LEV and Pre-LEV engine identification

SYSTEM:

Exhaust System

ISSUE:

Exhaust wraps may deteriorate over time, allowing debris to contact hot exhaust components and possibly cause smoking. Exhaust pipe, tail pipe or exhaust silencer is rusting or corroding.

CAUSE:

Exhaust wraps are deteriorating under high heat conditions. Seams may open and trap debris that can create smoke or a burning smell. In some environments after shutting down a warm engine, condensation may occur between the exhaust wrap and exhaust pipe, tail pipe or exhaust silencer. Over time this condensation may lead to corrosion of the exhaust pipes and silencer.

ECO / ODM #:

A-12243

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PRODUCTION CORRECTIVE ACTIONS:

The exhaust pipe, exhaust silencer and exhaust tailpipe and their exhaust wraps have been replaced with a one piece tube in tube exhaust pipe. The stainless steel tube in tube design is able to shield heat without additional exhaust blankets thus preventing debris or condensation from being trapped between the exhaust pipes and silencer and the blankets.

PRODUCTION SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

First production machine with new Tube-in-Tube exhaust installed as Standard equipment:

Implementation Shipping Date: September 8, 2016

Serial Number: 1000062844

FIELD CORRECTIVE ACTIONS: (All machines built prior to Serial Number 1000062844)

Th exhaust blankets kit and full blanket kits are no longer available and have been replaced by a new stainless steel Tube-inTube design that no longer requires exhaust blankets. Individual parts from the kits are still available, see page 5 for details.

Standard warranty applies. Labor allowed for this repair is 1.5 hours.

Old Part No.	Description	Replaced By	Description
56384388	EXHAUST BLANKET KIT-LPG MUF	56511717	EXHAUST PIPE KIT-CARBURETED
56384190	FULL BLANKET KIT	56511719 (Carbureted)	EXHAUST SYSTEM KIT-CARBURETED
		56511718 (LEV EFI)	EXHAUST SYSTEM KIT-EFI
56384206	FULL BLANKET KIT HARAM CAP II	56511719 (Carbureted)	EXHAUST SYSTEM KIT-CARBURETED

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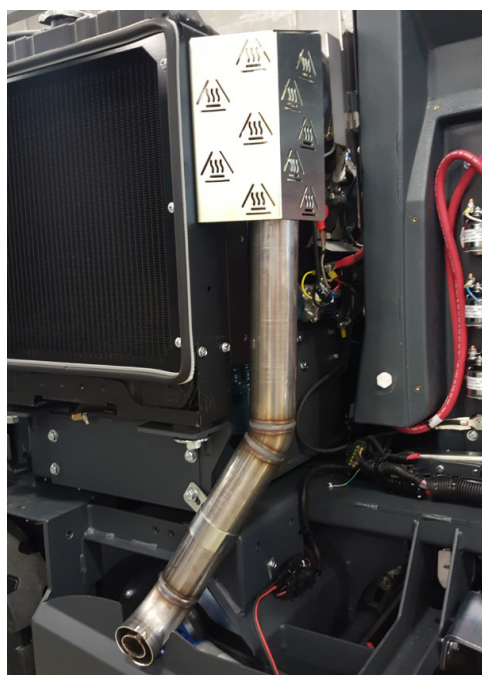
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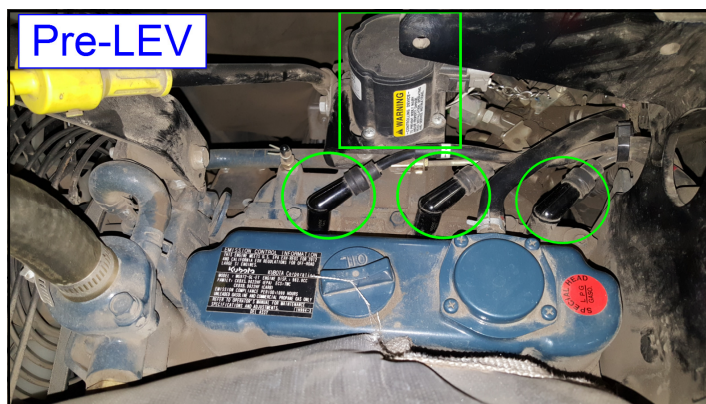


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LEV or Pre-LEV Engine identification:



New tube in tube exhaust



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SPARE PARTS or Kits Needed:

56511717 EXHAUST PIPE KIT-CARBURETED for carbureted engines

56511718 EXHAUST SYSTEM KIT-EFI (electronic fuel injection) for newer LEV engines with EFI

56511719 EXHAUST SYSTEM KIT-CARBURETED for carbureted engines

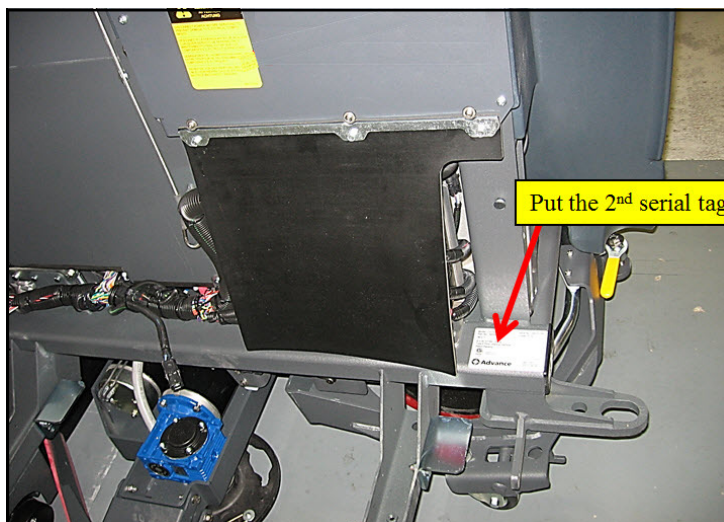
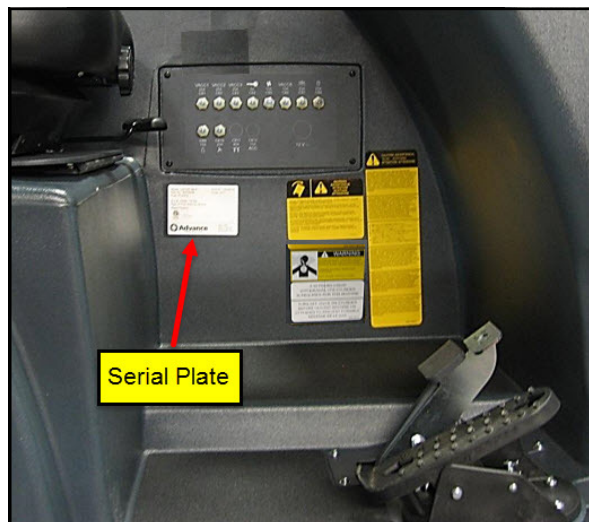
TOOLS REQUIRED:

9/16" Wrench

COMPONENT LOCATIONS / PICTURES:

Serial Number Tag

The Model Number and Serial Number of your machine are shown on the Nameplate. One nameplate is located on the wall of the operator's compartment just below the circuit breaker decal. The second nameplate is located on the chassis beneath the recovery tank.



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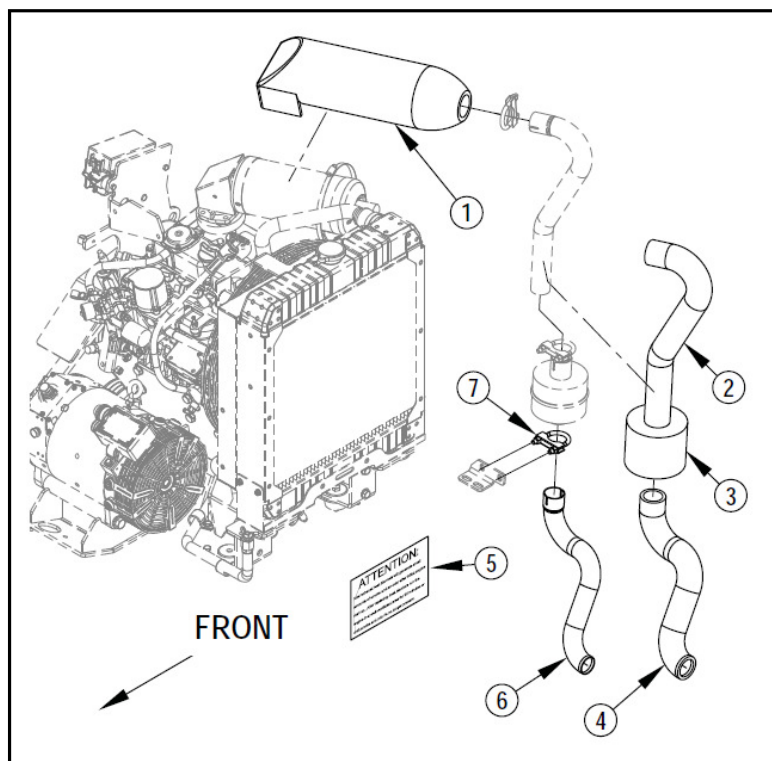
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CONTENTS OF KIT 56384190

Item	Ref. No.	Qty	Description
[]	56090262	1	Instruction Sheet
1	56384176	1	Blanket-Catalytic Converter
2	56384177	1	Blanket-Head Pipe
3	56384178	1	Blanket-Silencer
4	56384179	1	Blanket-Tailpipe
5#		1	Card-Exhaust Blanket

CONTENTS OF KIT 56384388

Item	Ref. No.	Qty	Description
[]	56090262	1	Instruction Sheet
2	56384177	1	Blanket-Head Pipe
3	56384178	1	Blanket-Silencer
5#		1	Card-Exhaust Blanket

CONTENTS OF KIT 56384206

Item	Ref. No.	Qty	Description
[]	56090262	1	Instruction Sheet
1	56384176	1	Blanket-Catalytic Converter
2	56384177	1	Blanket-Head Pipe
3	56384178	1	Blanket-Silencer
4#		1	Blanket-Tailpipe-Harem Cap II
5#		1	Card-Exhaust Blanket

NOTE: Only individual parts are still available