CATERPILLAR®

Service Repair Manual

Models

EL240C EXCAVATOR

Product: EXCAVATOR
Model: EL240C EXCAVATOR 9PK
Configuration: E240C, EL240C TRACK-TYPE EXCAVATORS 9PK00001-UP (MACHINE) POWERED BY 3116 ENGINE

Disassembly and Assembly
446 and 446B Backhoe Loaders, Lexion 450 Combine, 3114 and 3116 Engines, IT18F Integrated Toolcarrier, D6M Track-Type Tractor and 928F, 950F and 950G Wheel Loaders

Media Number -SENR3611-18 **Publication Date -01/05/2009** **Date Updated -27/05/2009**

i01328419

Inlet Manifold - Remove

SMCS - 1058-011

Removal Procedure

Start By:

a. Remove the valve mechanism cover. Refer to Disassembly and Assembly, "Valve Mechanism Cover - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

1. Disconnect air inlet piping from the turbocharger to the aftercooler, if necessary.

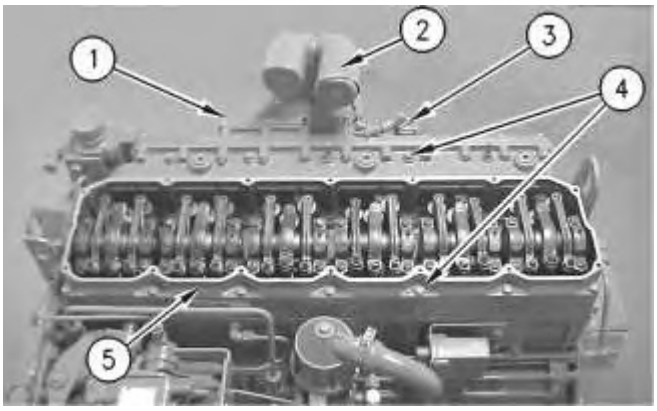

Illustration 1 g00629952

2. Remove bolts (1) and disconnect air inlet heater solenoid (3).
3. Remove air inlet elbows (2) from air inlet manifold (5).
4. Remove bolts (4) from air inlet manifold (5).
5. Remove air inlet manifold (5) and the gasket.

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Inlet Manifold - Install

SMCS - 1058-012

Installation Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

Illustration 1 g00675794

1. Install a new gasket (6) on the cylinder head.

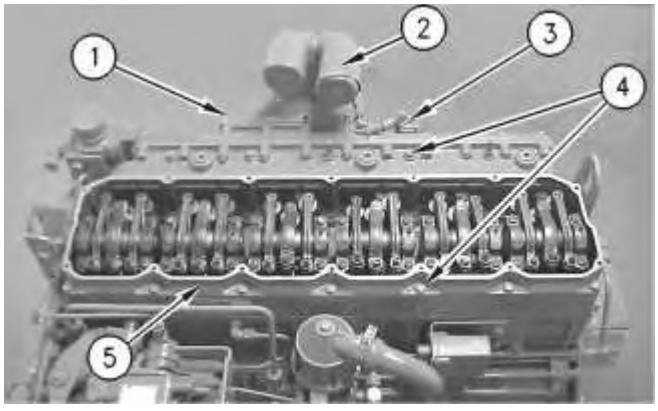

Illustration 2 g00629952

2. Position the air inlet manifold (5) on the engine.
3. Install bolts (4). Tighten the bolts to a torque of 28 ± 7 N·m (21 ± 5 lb ft).
4. Install air inlet elbows (2) on air inlet manifold (5).
5. Install bolts (1) and connect air inlet heater solenoid (3).

End By:

a. Install the valve mechanism cover. Refer to Disassembly and Assembly, "Valve Mechanism Cover - Remove and Install".

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