



Doosan Infracore
Portable Power

Service Letter

Field Modification

Safety Notice

SL: 40021
Date: 15 July 2011
Product: Compressors
Subject: Air Outlet Flap Cylinder Hose Relocation (Y03)

PROCEDURE & WARRANTY GUIDELINES	
Repair Priority	Mandatory - Class AA
Parts Required	Yes - parts will be shipped free of charge
Parts Return	No - dispose of old parts
Parts Credit	No
Labor Credit	Yes - Two (2) hours
Travel Credit	Yes - Two (2) hours for retailed machines
Warranty Code	Y03

MODEL	SERIAL NUMBER
12/150	705001 - 705035

The air compressor uses a hydraulic cylinder to control the air outlet flap of the compressor. The oil supply hose to the cylinder is in close proximity to an exhaust muffler that can reach high temperatures.

If the oil supply hose to the cylinder experiences a leak, oil could spray on the exhaust muffler. If the exhaust muffler temperature is high, the oil spray may ignite causing a fire in the compressor canopy.

NOTE: If compressor operation is required by the owner prior to availability of the final correction, Doosan Benelux SA has developed a temporary solution as described in the instruction attached to the dealer Safety Notice letter.

Parts

QTY	P/N	DESCRIPTION
1	92354653	R1/8 PLUG
1	92354364	BUSH HEXAGON 1/4 X 1/8 BSPT
1	92799444	ELBOW P - IN F SW 1/4 BSPT-8MM
1,5 m	92799378	TUBE NYLON 8MM
1,5 m	23346182	CONVOLUTED CONDUIT 16MM
1	35114545	TEE CONNECTOR 1/4 NPT
1	92931401	ADAPTER P-IN M 1/4 BSPT-8MM
10	92281427	TIE CABLE 3.5X200

The above parts will be shipped to you for each affected machine

Doosan Benelux SA asks it's dealers to contact all owners of affected compressors and make arrangements for this modification.

Procedure

Please read the Operation Manual for safety and operation related information before working on this air compressor.

! WARNING

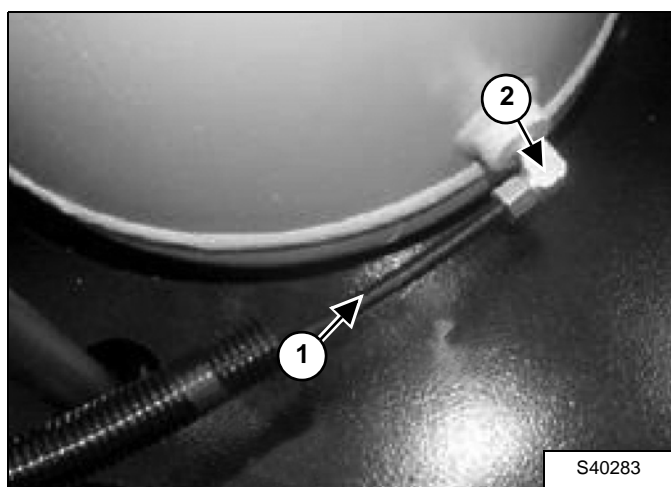
AVOID INJURY OR DEATH

Diesel fuel or hydraulic fluid under pressure can penetrate skin or eyes, causing serious injury or death. Fluid leaks under pressure may not be visible. Use a piece of cardboard or wood to find leaks. Do not use your bare hand. Wear safety goggles. If fluid enters skin or eyes, get immediate medical attention from a physician familiar with this injury.

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NOTE: When relieving system pressure by means of the service valve(s), a small amount of pressure will remain in the system. No maintenance work should be carried out whilst this situation exists. This pressure may be relieved *slowly* by operating the manual blowdown valve.

Figure 1



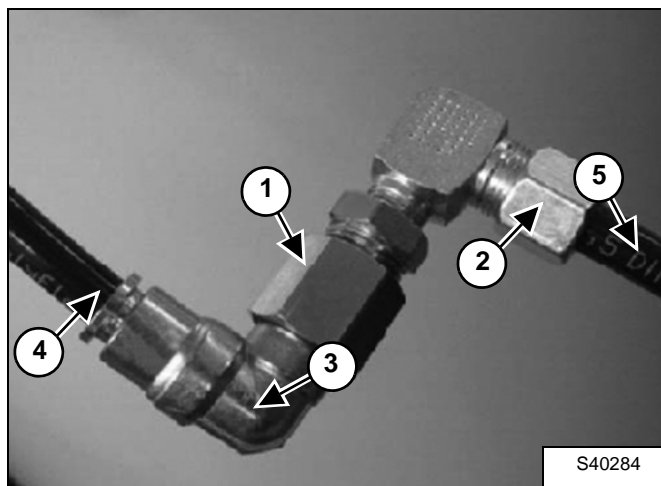
Drain the separator tank oil into a proper container and dispose of in a responsible manner.

Remove the hose (Item 1) from the elbow fitting (Item 2) [Figure 1] at the bottom of the tank, and drain the remaining oil.

NOTE: Do not remove the convoluted conduit as this is protecting the 8 mm tubing from being damaged.

Remove the elbow fitting from the tank and plug with fitting (P/N 92354653) using Loctite® 542 on the thread.

Figure 2



Connect the bush hexagon (P/N 92354364) (Item 1) to the separator tank elbow fitting (Item 2) [Figure 2].

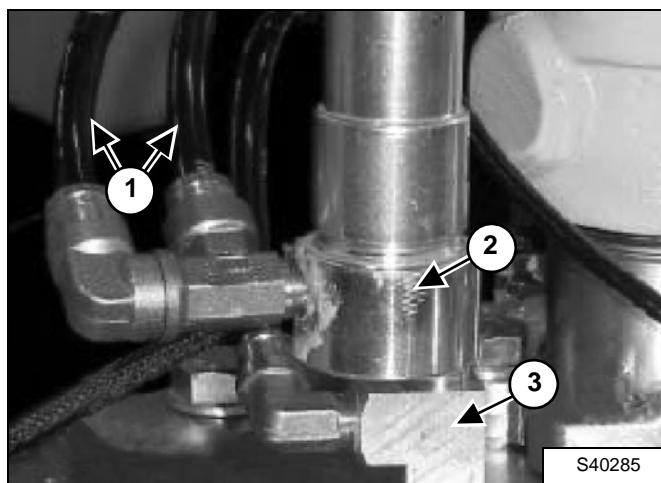
Connect the elbow fitting (P/N 92799444) (Item 3) [Figure 2] to the bush hexagon.

Connect the 8 mm tube (P/N 92799378) (Item 4) to the elbow fitting (Item 3) [Figure 2].

Connect tubing (Item 5) [Figure 2] removed in [Figure 1].

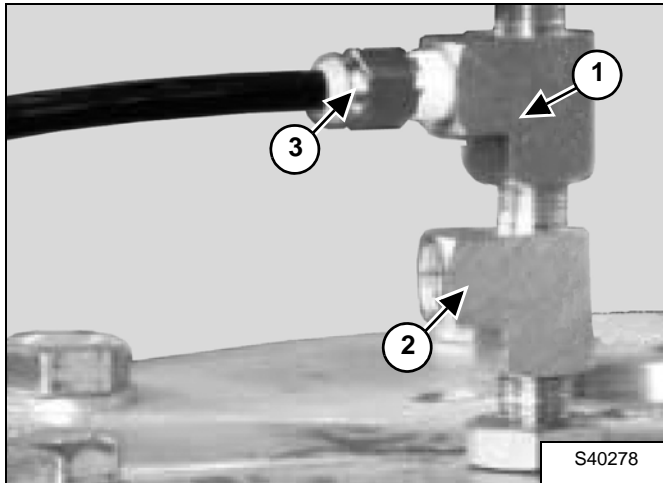
Slide the new convoluted conduit (P/N 23346182) over the hose.

Figure 3



Disconnect the tubing (Item 1) from the pressure regulator (Item 2) and remove the pressure regulator from the tee fitting (Item 3) [Figure 3].

Figure 4

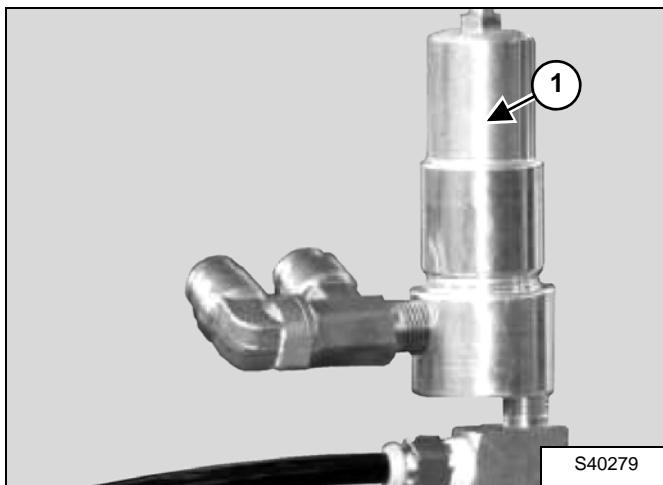


Install the tee connector (P/N 35114545) (Item 1) to the existing tee connector (Item 2) **[Figure 4]**.

Install the 8 mm tube adapter (Item 3) **[Figure 4]** to the new tee connector.

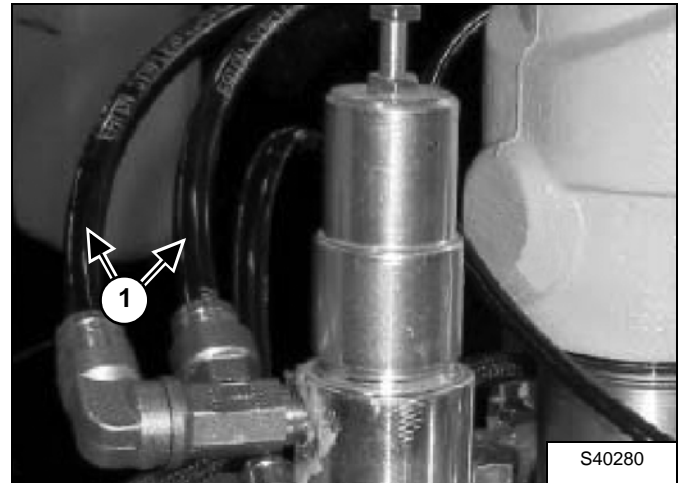
Cut the extended hose (Item 4) **[Figure 2]** and convoluted conduit from the separator tank to the correct length and connect to the adaptor (Item 3) **[Figure 4]**.

Figure 5



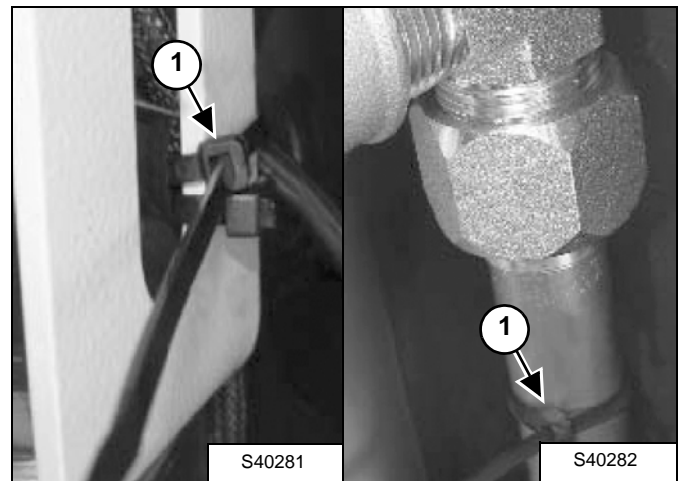
Reconnect the pressure regulator (Item 1) **[Figure 5]**.

Figure 6



Reconnect the tubing (Item 1) **[Figure 6]** to the installed fittings.

Figure 7



Use tie-straps (P/N 92281427) (Item 1) **[Figure 7]** to secure the tubing.

Refill the separator tank with protec compressor oil to the correct level.

Start the compressor and check for leaks.

Stop the compressor and refill to the correct level.