

DETROIT DIESEL



Installation Instructions

18SP569* –Series 60[®] Cylinder/Piston Kit Information

*Revision – 5/15/07

Introduction

This is one of four cylinder kits or four piston kits with forged, articulated steel pistons. Kit components are listed in Table 1.

Part No.	A	B	C	D	Description
R23532561	1				Cyl. Kit, 15:1 C/R (includes items in column A)
R23532562		1			Cyl. Kit, 16.5:1 C/R (includes items in column B)
E23532883			1		Cyl. Kit, 15:1 C/R (includes items in column C)
E23532885				1	Cyl. Kit, 16.5:1 C/R (includes items in column D)
23530226	1	1	1	1	- Liner (TLC)
8929844	1	1	1	1	- Top (Fire) Ring
8929845	1	1	1	1	- Center (Compression) Ring
23515500	1	1	1	1	- Oil Control Ring
23529379	1	1	1	1	- Expander
8929013	1	1	1	1	- Liner Seal (upper)
8929176	2	2	2	2	- Liner Seal (lower)
23528493	1	1	1	1	- Nozzle Asm.
23506222	1	1	1	1	- Bolt, Nozzle Mounting
R23530666	1				- Piston Kit (15:1 Bushless) #
R23530668		1			- Piston Kit (16.5:1 Bushless)#
E23532882			1		- Piston Kit (15:1 Bushless)#
E23532884				1	- Piston Kit (16.5:1 Bushless)#
23530600	1		1		-- Piston Asm. (15:1 C/R)
23530602		1		1	-- Piston Asm. (16.5:1 C/R)
23525168	1	1			-- Piston Pin (22 mm / 0.866 in. I.D.)
23521649			1	1	-- Piston Pin (26 mm / 1.02 in. I.D.)
23521781	2	2	2	2	-- Retainer, Piston Pin

Includes the piston assembly, pin and retainers (2) in the same column.

Table 1 – Cylinder Kit Components

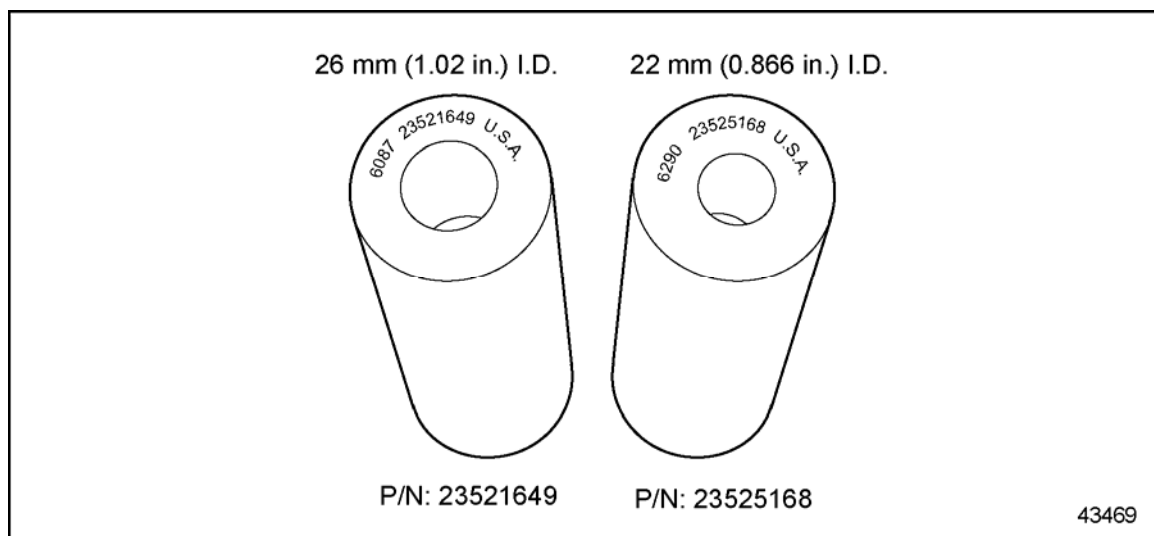


Figure 1 Series 60 Piston Pins

Different Piston Pins

These cylinder kits contain one of the following piston pins:

- P/N 23525168 – This pin has an I.D. of 22 mm (0.866 in.). See Table 1 and Figure 1.
- P/N 23521649 – This pin has an I.D. of 26 mm (1.02 in.). See Table 1 and Figure 1.

Piston pin P/N 23525168 is slightly heavier than pin P/N 23521649. Because of their weight difference, these piston pins (and the cylinder kits or piston kits they are used in) *must not be mixed in an engine*. Mixing different pins in the same engine may result in an unbalanced condition that may reveal itself in excessive vibration when the engine is running.

NOTICE:

Failure to install the same piston pins in an engine may result in an unbalance condition indicated by severe vibration. Excessive vibration will have a detrimental effect on engine life. To avoid this situation, always check the part number on the end of the existing piston pin or measure the piston pin I.D. before installing the new pin.

NOTE:

Piston pin P/N 23525168 is also included in piston kits P/N R23530666 and R23530668 and is available separately. Piston pin P/N 23521649 is also included in piston kits P/N E23532882 and E23532884 and is available separately.

Cylinder Kit Installation

Refer to the current *Series 60 Service Manual*, 6SE483 0204, when installing cylinder kits in the engine.

DETROIT DIESEL



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