

Sanden Style Compressor Identification

Clutch Assembly

Clutches come in various diameters, groove, belt & voltage configurations.



Rear Head

Back heads come in many different configurations & are normally marked by 1, 2 or 3 cast letters.

Compressor Body

Bodies are usually ear, direct or swing mount.

Type	R-134a	R-12
7 Cylinder	SD7B10	SDB-706
	SD7H13	SD-708
	SD7H15, HD, SHD	SD-709
5 Cylinder	SD5H09	SD-505
	SD5H11	SD-507
	SD5H14	SD-508
		SD-510

R-134a

SD 7 H 15 HD

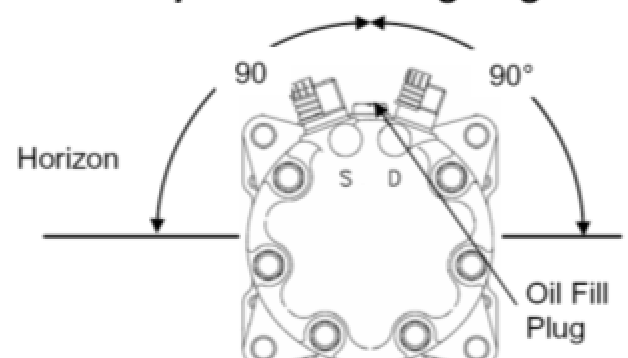
SD	7	H	15	HD
Sanden wobble plate piston type compressors	Number of pistons	Port Location B-Body H-Head	Approximate Displacement in CC's divided by 10	HD-Heavy Duty SHD- Sealed HD

R-12

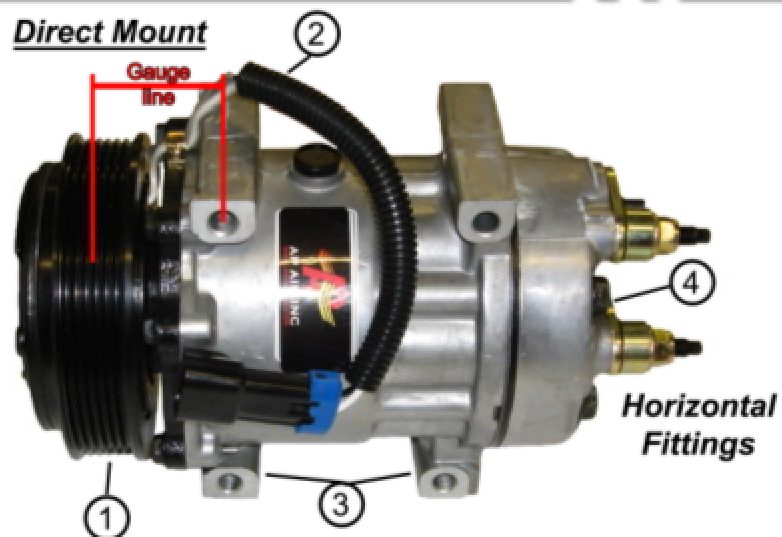
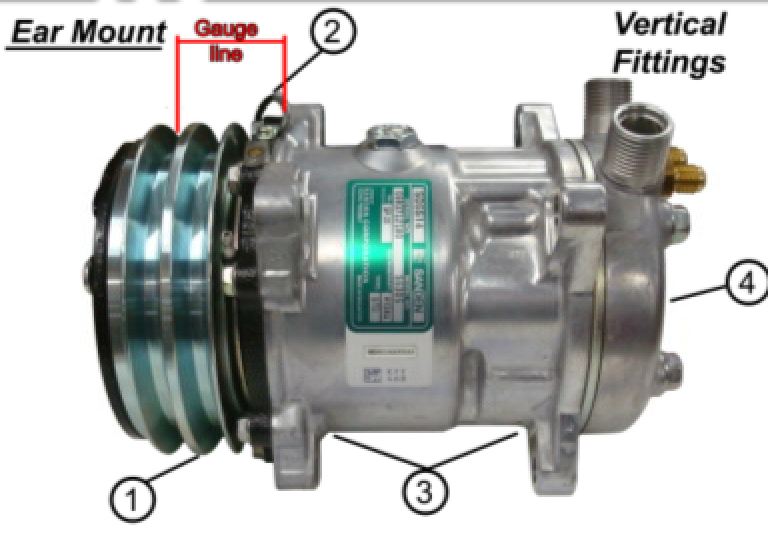
SD-709

SD	7	09
Sanden wobble plate type compressor	Number of pistons	Approximate Displacement in Cubic Inches

Acceptable Mounting Angles



Sanden Style Compressor Identification



1. Clutch Identification

*Measure pulley diameter and record. Count the number of grooves (always count the valleys-not peaks) and record. Ear Mount Gauge Line-Measure from the front (flat surface) of any of the 4 front mounting ears to the center of the pulley groove (center of belt). Direct Mount Gauge Line-Measure from the center of the top, closest mounting hole to the center of the pulley groove (center of belt).

2. Determine Voltage (coil I.D.)

*12 Volt coil resistance should measure between 2.8Ω and 4.4Ω at room temperature
 *24 Volt coil resistance should measure between 14Ω and 18.2Ω at room temperature

Set Multimeter to ohms setting
 & connect to coil leads



3. Body Identification

*Ear Mount-Most commonly found Sanden compressor consists of 8 mounting ears. 4 non-threaded holes on the front of the body and 4 on the rear. Direct Mount-Becoming more popular in the industry, consists of 4 non-threaded mounting boss'. Swing Mount-Found more on smaller applications, usually consist of 3 or 4 ears total-some may be threaded or not.

4. Rear Head Identification

*Sanden rear heads are most commonly identified by 1, 2, or 3 letters cast into the aluminum head. If no letters can be found, you first need to determine whether the compressor has vertical or horizontal fittings. Next determine if fittings are threaded (if so-what size). If fittings are threaded they may be the same size or 2 different sizes. They may also be "flare" or "o-ring". If they are a "pad style" fitting we must also determine what size the ports are, and if the manifold is held to the compressor by 1 bolt or 2.

6 Bolt Rear Head

*Used on 7 cylinder compressors
 SDB-706, SD-708,
 SD-709, SD7B10,
 SD7H13, SD7H15



Cast Letters



Cast Letters

5 Bolt Rear Head

*Used on 5 cylinder compressors
 SD-505, SD-507,
 SD-508, SD-510,
 SD5H09, SD5H11,
 SD5H14