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20- COMPRESSORS

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CCI COMPRESSOR GENERAL SPECIFICATIONS

	206	209	210	212	Tecumseh
Displacement (CU. In./cc)	6.10 / 100	8.69 / 142	10.3 / 169	12.1 / 198	10.3 / 169
Weight without Clutch	14.6	14.6	14.6	14.5	24.8
Factory Oil Charge (Fluid Oz.)	14	14	14	14	11
Refrigerant Compatibility (Based on Oil Type)	R-12, 22, 502, 134a & new blends	R-12, 22, 502, 134a & new blends	R-12, 22, 502, 134a & new blends	R-12, 22, 502, 134a & new blends	
Rotation Speed RPM (Constant)	500-6000	500-6000	500-6000	500-6000	500-6000
Rotation Direction	CW/CCW	CW/CCW	CW/CCW	CW/CCW	CW/CCW
Mounting Angle	Universal 360 Degree	Universal 360 Degree	Universal 360 Degree	Universal 360 Degree	Universal 360 Degree

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1. Oil charge is for R-134a models.
R-12 models have 12 oz.

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ASSEMBLY TORQUE SPECIFICATIONS

Location	Thread	Head	Field Torque Specs
Baseplate	1/4" -20 UNC	Hex	10-16 ft.-lb. (13.6-21.7 N-m)
Rear Bearing Cover Plate	14" -20 UNC	Flat	10-16 ft.-lb. (13.6-21.7 N-m)
Cylinder Head	5/16" -18 UNC	Hex	17-25 ft.-lb. (23.0-33.9 N-m)
Seal Plate	#10 24 UNC	Hex	5-8 ft.-lb. 6.8-10.8 N-m)
Oil Fill Plug	3/8" 24 UNF	Hex	5-10 ft.-lb (6.8-13.6 N-m)
Clutch Mounting Screw	1/4" -20 UNC	Hex	8-14 ft.-lb. (10.8-19.0 N-m)
Clutch Center Bolt	5/16" -24 UNF	Hex	20-25 ft.-lb. (27.1-33.9 N-m)
Rotolock Valve	1" -14 UNS	Hex	35-40 ft.-lb.47.5-54.2 N-m)
Tube O Valve	1" -14 UNS	Hex	35-40 ft.-lb (47.5-54.2 N-m)
Flange Valve	5/16" -18 UNC	Torx	17-25 ft.-lb. (23.0-33.9 N-m)
Pressure Relief Valve	3/8" -24 UNF	Hex	5-10 ft.-lb. (6.8-13.6 N-m)

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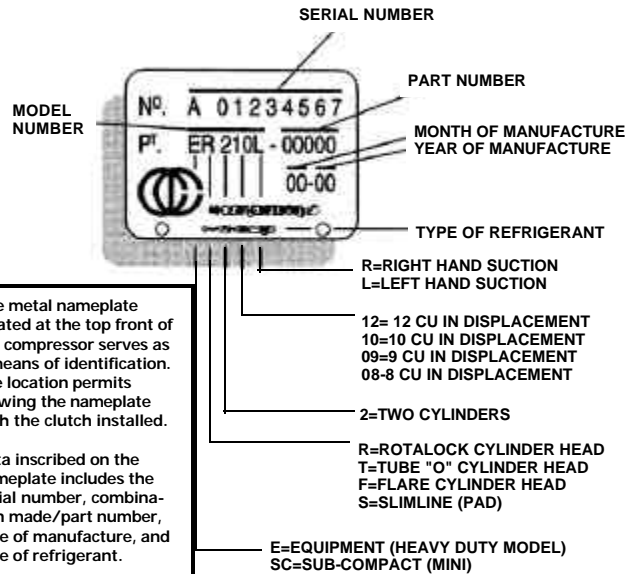
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The metal nameplate located at the top front of the compressor serves as a means of identification. The location permits viewing the nameplate with the clutch installed.

Data inscribed on the nameplate includes the serial number, combination made/part number, date of manufacture, and type of refrigerant.


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COMPRESSOR HEAD CONFIGURATIONS

Flange Type	Rotolock Type	Tube-O Type
<p>Earlier models used a Gasket (as shown). Later models used an O-Ring. Both types are interchangeable.</p>	<p>Install Flat Teflon Seal in Head Fitting</p>	<p>Install Round O-Ring in Service Valve</p>

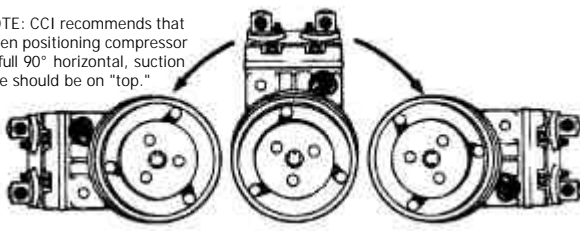
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CCI COMPRESSOR ORIENTATION AND ROTATION



Clockwise or counterclockwise rotation

NOTE: CCI recommends that when positioning compressor at full 90° horizontal, suction side should be on "top."



180°, left to right orientation

The table below shows the crankcase oil charge in fluid ounces (and ml) at various dip stick measurements for both horizontal and vertical mounts. The oil charge after the system is stabilized should be maintained with 6 fluid ounces (177 ml) minimum and 8 to 12 fluid ounces (237 to 355 ml) for best results.

OIL CHARGE VS. DIP STICK DEPTH

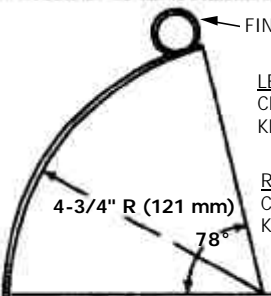
HEAVY DUTY & STANDARD MODELS

	Horizontal Mount	Vertical Mount	*45° Mount
6 fl. Oz (177 ml)	13/16" (21 mm)	7/8" (22 mm)	1-5/8" (41 mm)
8 fl. oz. (237 ml)	1" (25 mm)	1" (25 mm)	1-13/16 (46 mm)
10 fl. oz. (355 ml)	1-5/8" (41 mm)	1-7/16" (37 mm)	2-1/4" (57 mm)
14 fl. oz. (414 ml)	1-13/16" (46 mm)	1-11/16" (43 mm)	2-7/16" (62 mm)
16 fl. oz. (473 ml)	1-15/16" (49 mm)	1-7/8" (48 mm)	2-5/8" (67 mm)

SUPER COMPACT ("MINI") MODELS

	Horizontal Mount	Vertical Mount
6 fl. Oz (177 ml)	3/4" (19 mm)	1" (25 mm)
8 fl. Oz. (237 ml)	1" (25 mm)	1-1/4" (32 mm)
10 fl. Oz. (296 ml)	1-3/16" (30 mm)	1-1/2" (38 mm)
12 fl. Oz. (355 ml)	1-7/16" (37 mm)	1-13/16" (46 mm)
14 fl. Oz. (414 ml)	1-3/4" (44 mm)	2-1/16" (52 mm)

Comp#	Clutch#	Assembly#	CCI Assembly#	Clutch Description
5236	5144	5260	ER210L-21571C	2 groove clutch w/1 wire
5236	5031	5261	ER210L-21572C	1 groove clutch w/1 wire
5256	5144	5262	ET210L-25073C	2 groove clutch w/1 wire
5256	5031	5263	ET210L-25076C	1 groove clutch w/1 wire
5256	5030	5264	ET210L-25182C	6 groove clutch w/1 wire
5256	5029	5265	ET210L-25224C	8 groove clutch w/1 wire
5256	5029	5266	ET210L-25237C	2 groove clutch w/2 wire
5256	5029	5267	ET210L-25240C	6 groove clutch w/2 wire
5256	5129	5268	ET210L-25243C	6 groove clutch w/2 wire
5256	5128	5269	ET210L-25246C	8 groove clutch w/2 wire
5258	5145	5270	ET210L-25246C	6 groove clutch w/2 wire
5258	5128	5271	ES210L-25335C	8 groove clutch w/2 wire
5258	5129	5272	ES210L-25338C	6 groove clutch w/2 wire
5258	5126	5273	ES210L-25336C	6 groove clutch w/2 wire
5259	5145	5275	ES210L-25337C	2 groove clutch w/2 wire
5259	5128	5276	ET212L-25361C	8 groove clutch w/2 wire
5281	5147	5280		Mini CCI w/2 wire clutch

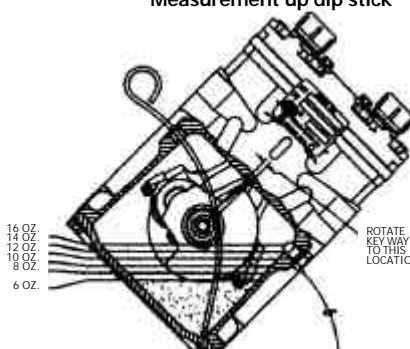


FINGER RING

LEFT HAND MOUNTING:
CHECK OIL WHEN NON ROK SHAFT KEY IS DOWN.

RIGHT HAND MOUNTING:
CHECK OIL WHEN NON ROK SHAFT KEY IS UP.

*OIL LEVEL AT 45°
Measurement up dip stick



16 OZ.
13 OZ.
10 OZ.
8 OZ.
6 OZ.

ROTATE KEY WAY TO THIS LOCATION

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20-COMPRESSORS

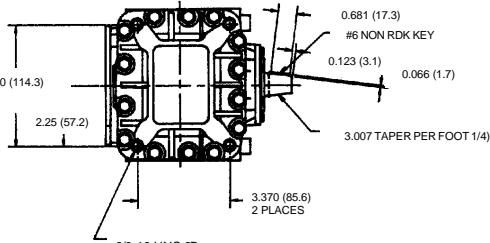
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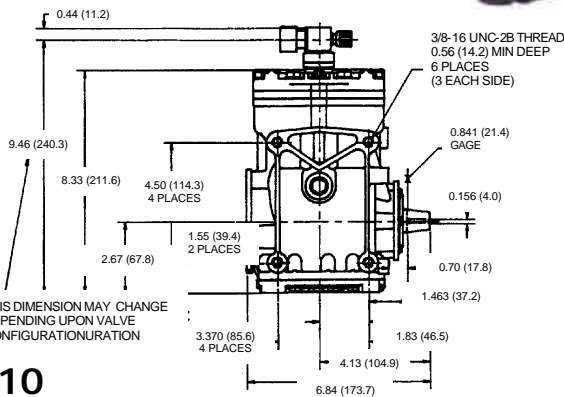
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3/8-16 UNC-2B
0.62 (15.7) DEEP IN CRANKCASE
#0.469 (11.9) CLEARANCE HOLE
IN BASE PLATE 4 PLACES

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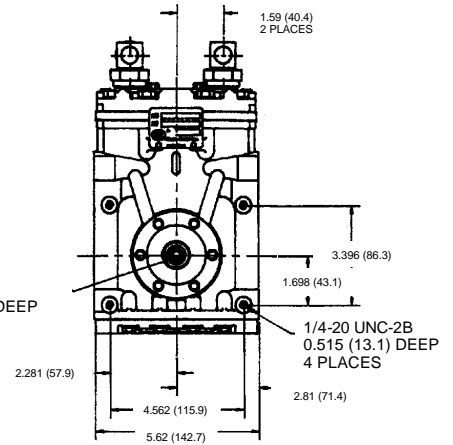
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THIS DIMENSION MAY CHANGE
DEPENDING UPON VALVE
CONFIGURATION

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York 210

3/16-24 UNF-2B
1.25 (31.8 MIN DEEP)

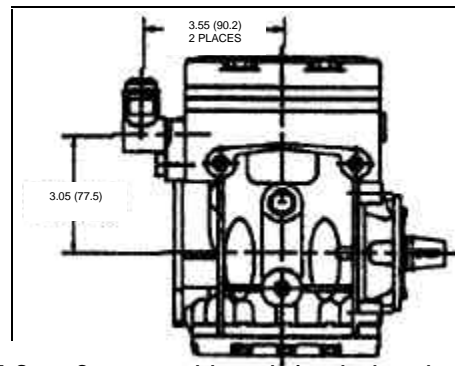
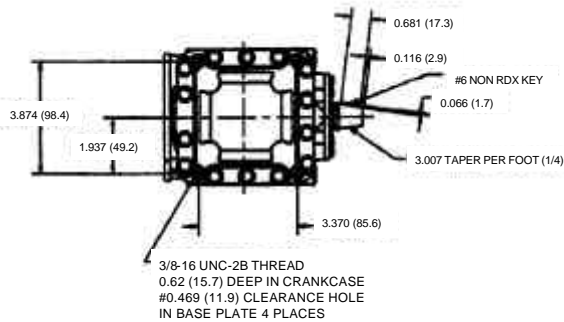
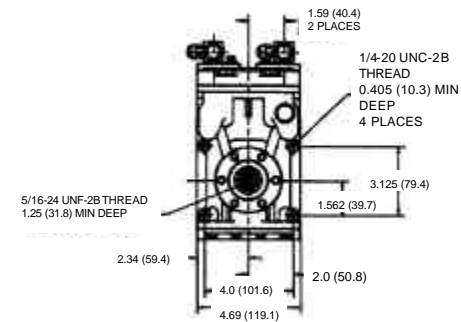
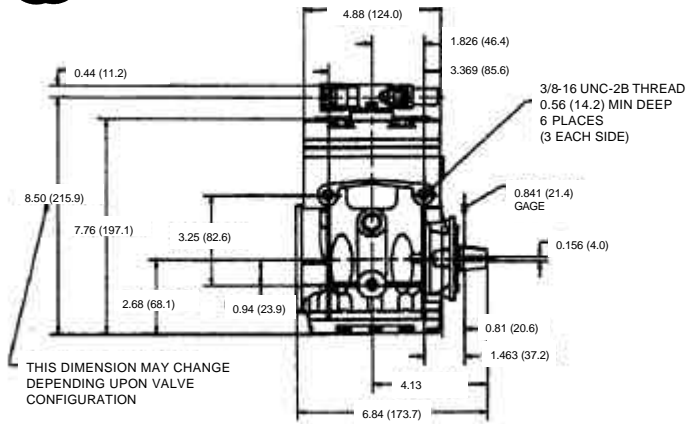


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Model	Description		MFG. Number	Item Number			
	Suction	Head Type		New (HD)	New (Std.)	Generic	Remanufacture
Tecomseh HG-1000	Left	Rotolock	99239-5		20-8200	—	21-8200
		Tube-O (Esters/134a)	99241-5		20-8201	—	21-8201
		Tube-O (Esters/134a)	99244-5		20-8200-A	—	—
York 206	Right	Flange	—	—	—	—	21-8202
York 209	Right	Special (Rear)	—	—	—	—	21-8203
		Special (Top Port)	—	—	—	—	21-8204
York 210 Std.	Left	Rotolock	ER210L-20300	20-8210 (r12)	—	20-8210-G	21-8205
		Rotolock Esters/134a	ER210L-25149	20-8210-E			
York 210HD	Right	Rotolock	Er210l-25200	20-8210-1	20-8208	—	21-8208
		Flange (Esters/134a)	EF210R-25212	20-8209	—	—	21-8209
	Left	Tube-O	—	—	—	—	21-8210
		Tube-O (PAG/134a)	ET210L-21097	20-8220 (r12)	—	20-8220-G	21-8207
		Tube-O (Esters/134a)	ET210L-21909	20-8220-A			
90-	Left	Tube-O (Esters/134a)	ER210L-25063	20-8220-E	—	—	—
		Flange	EF210L-20003	20-8230	—	—	—
ES210L	Left	PAD	ES210L-25334	20-8240			
212	Left	Slim	ET212L-25360	20-8212-E			

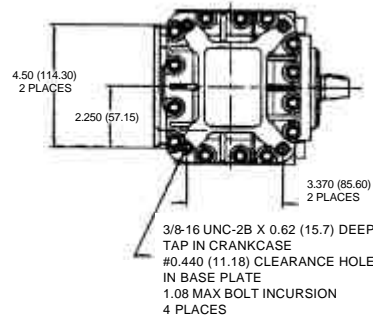
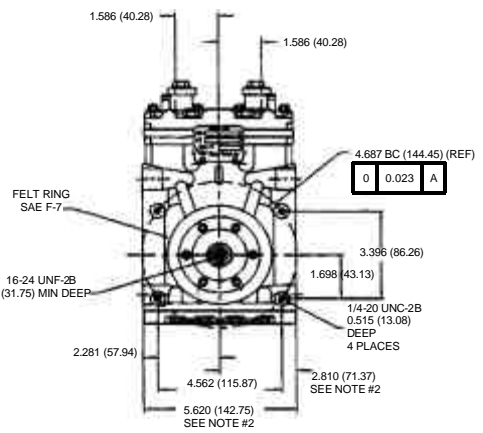
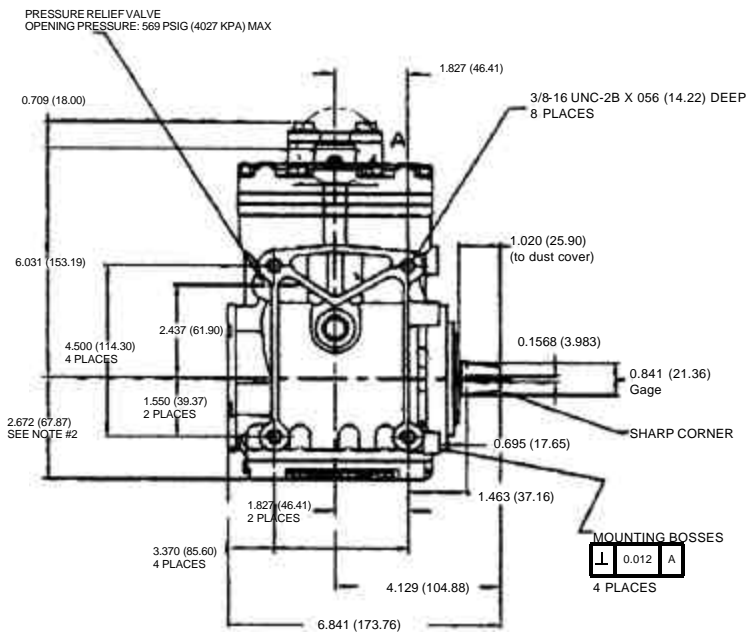
20- COMPRESSORS

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York 206 and 209 Mini

NOTE: Super-Compact models are designed to have the fittings on the top or from the rear (low profile).



ES210L (Freightliner)

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