

INSTRUCTIONS



99TA516184A (for RCD use only)

Instruction Sheet Number: **99TA516184A**

Description: 06D Hybrid Motor Protection System for Legacy Thermostat Motors

Author: Steve Von Borstel

Date: May 19, 2016

Part Number: 06DA6606DBS*****



WARNING

HAZARDS: ELECTRIC SHOCK / PRESSURE / EXPLOSION

REFRIGERANT AND OIL UNDER PRESSURE

- Bodily injury may result from explosion and/or fire if power is supplied to compressor with terminal box cover removed or unsecured. Terminal pins may blow-out causing injuries, death or fire.
- Do not touch terminals, or wiring at terminals, or remove terminal cover or any part of compressor until power is disconnected and pressure is relieved. See safety instructions A through D below.

ELECTRIC SHOCK

- Bodily injury or death may result from electrocution if terminal cover is removed while power is supplied to compressor.
- Do not supply power to compressor unless terminal cover is secured in place and all service valves are open.

Safety Instructions:

Service or maintenance must be performed only by trained certified technicians and according to service instructions.

- Follow recognized safety practices and wear protective goggles.
- Disconnect and lockout all electrical power. Electrical measurements during operation must be taken outside of the compressor terminal box.
- Do not disassemble bolts, plugs, fittings, etc. unless all pressure has been relieved from the compressor.
- These modules **ARE NOT** considered to be user accessible. The Extra-Low Voltage (ELV) circuits of these devices, in connection with motor-winding-PTCs, **ARE NOT** Safety Extra Low Voltage (SELV) circuits. Proper measures against electric shock **MUST BE** provided in the end use application. The correct Carlyle Terminal box for the compressor application does provide this protection.

Caution: Before starting this service, read through the followings items to ensure you have the correct service kit for your application. In many situations, wiring of this module will be different from the existing motor protection it is replacing.

- This kit is intended to service legacy 3-phase compressors which have the internal thermostat embedded in the compressor motor windings. This protection system uses two Current Transformers (CTs) to measure the current being used.
 - These compressors can be readily identified by a letter in the 10th digit of the Carlyle Model No., OR in the case of the Compound Cooling Compressors (06C models) the 8th digit.
 - These compressors also have a 5-pin terminal plate.
- This kit can be used on newer 6-pin "Universal" compressors which have both an internal thermostat and Positive Thermal Coefficient thermistors (PTCs). This could be a result of an original compressor being replaced by newer, 6 pin compressor during prior service. See Step 14 for additional considerations and information on these situations.
 - For Carlyle compressors and systems which utilize internal PTCs and do not use the internal thermostats, refer to service kits covered in Instruction Sheet No. 99TA516180.
 - These would be Carlyle compressors with a "0", "1", "2" or "3" in the 10th digit of the Carlyle Model No.
 - For Single Phase applications refer to instructions 99TA516185
- Part Winding Start compressors cannot use a hybrid motor protection system. These have a "B" or "D" in the 10th digit of the Compressor Model No.

- 4) There are three different control voltages that are available for these protection modules. The control voltage is coded into the Kit No. and Module No. Power consumption is 3 VA.

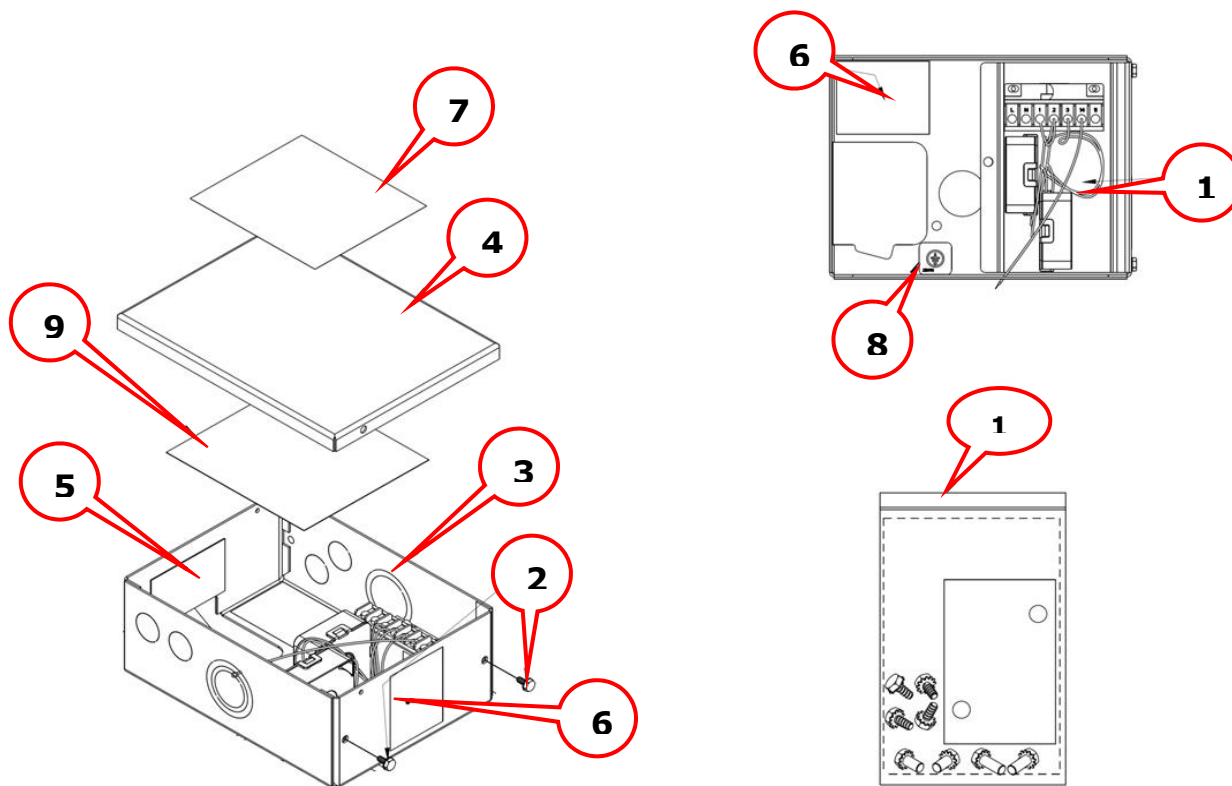
Control Voltage	Kit No. (12 th digit)	Module No. (6 th digit)
110-220 VAC	06DA6606DBS B ****	06DBS B ****
24 VAC	06DA6606DBS C ****	06DBS C ****
24 VDC	06DA6606DBS D ****	06DBS D ****

- 5) Each kit has been preprogrammed to trip at the required Maximum Continuous Current (MCC) value. The MCC value is coded into the last 4 digits of the service kit number and the part number of the module. The last four digits represents the MCC value in tenths of an Amp:

Example: Required MCC	Kit No. (13 th – 16 th digit)	Module No. (7 th – 10 th digit)
13.5 Amps	06DA6606DBSB 0135	06DBSB 0135
44.0 Amps	06DA6606DBSC 0440	06DBSC 0440
20.9 Amps	06DA6606DBSC 0209	06DBSC 0209

Appendix II is a list of the Carlyle Compressor Models that are supported by these kits. Verify that the MCC of the module corresponds to the compressor being serviced. If any of this information is not correct for the unit being serviced, do not use the kit. Contact RC or Carlyle Compressor for assistance.

This kit contains:

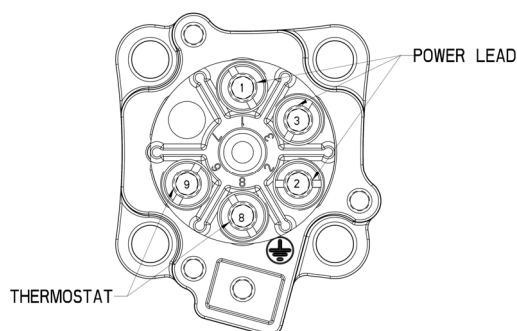


1

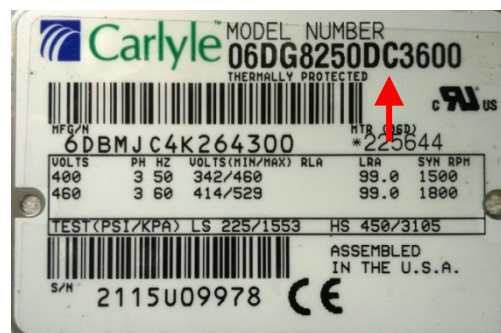
No.	QTY.	Part No.	Kit No.	Description
1	1	06DBSB0000	06DA6606DBSB****	110-120 VAC MODULE ASSY
		06DBSC0000	06DA6606DBSC****	24 VAC MODULE ASSY
		06DBSD0000	06DA6606DBSD****	24 VDC MODULE ASSY
2	2	06DA408112	ALL	#10-16 THREAD CUTTING SCREW
3	1	06DA407764	ALL	TERMINAL BOX, LG FOLDED
4	1	06DA502543	ALL	TERMINAL BOX COVER
5	1	06DA507752	ALL	INSULATION PAD
6	2	06DA508142	ALL	WARNING LABEL
7	1	06DA502503	ALL	WARNING LABEL
8	1	2TB0769	ALL	GROUNDING LABEL
9	1	06DA509603	ALL	WIRING DIAGRAM LABEL
10	1	06DA409607	ALL	INSTALLATION KIT

2

Verify the kit received is suitable for the compressor and system being serviced. First, make sure the module is intended for Carlyle 06D compressor which has an internal thermostat.



5 Pin Terminal Plate



On 06D Comp's 10th Digit Contains "A", "C" or "G"
On 06C Comp's 5th Digit Contains a number

3

Verify required control voltage of the module is correct for the system/unit supply.

Control Voltage	Kit No. (12 th digit)	Module No. (6 th digit)
110 -220 VAC	06DA6606DBS B ****	06DBS B ****
24 VAC	06DA6606DBS C ****	06DBS C ****
24 VDC	06DA6606DBS D ****	06DBS D ****



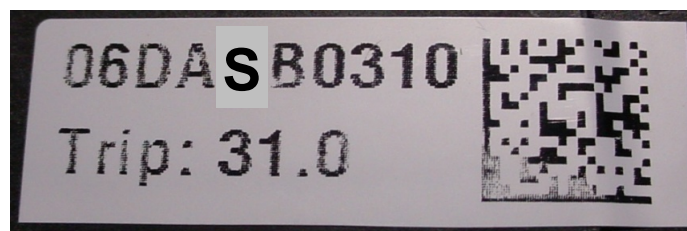
Module – Front Label



Module – Back Label

4

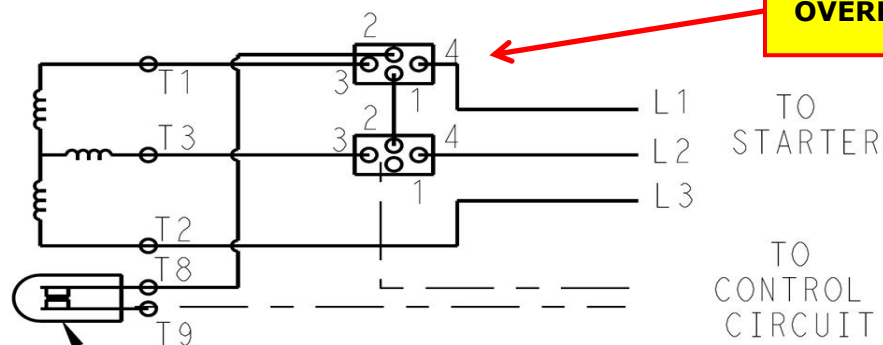
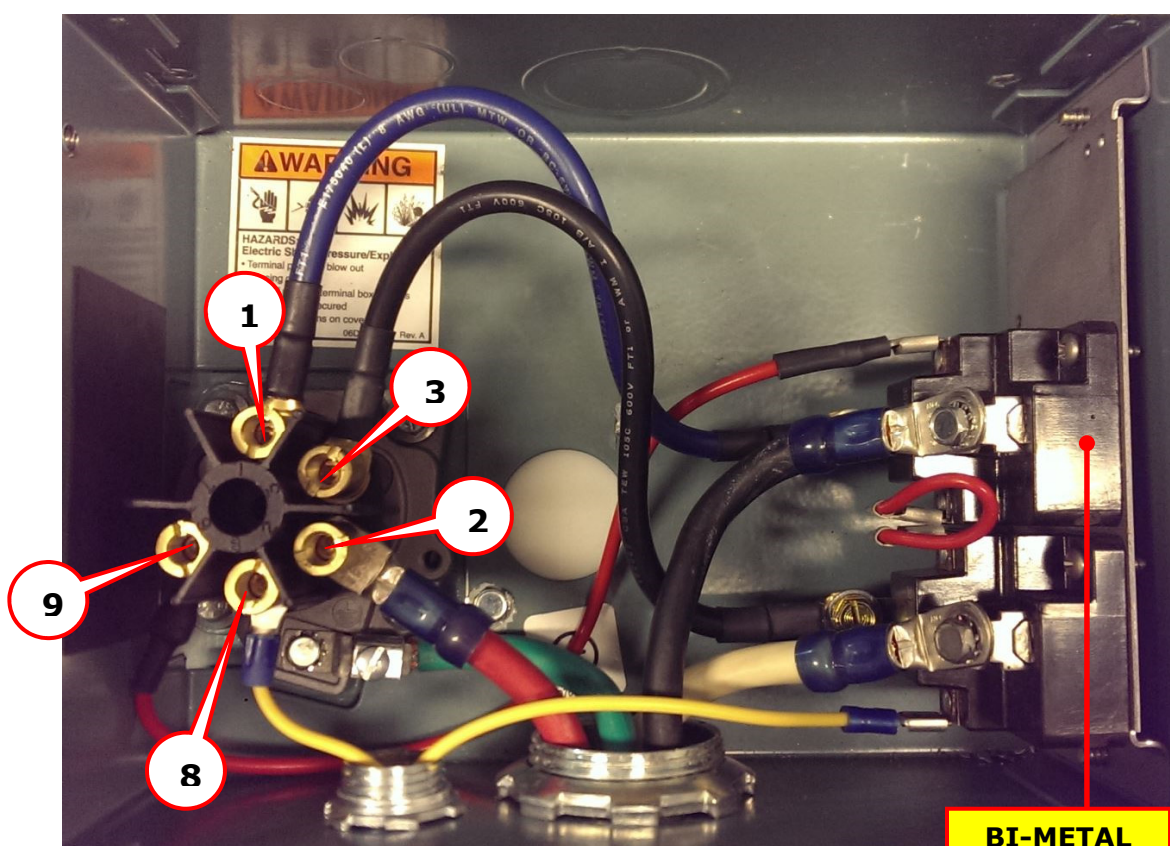
Verify that the MCC value of the new kit and module matches the required value shown in Appendix II.

**5**

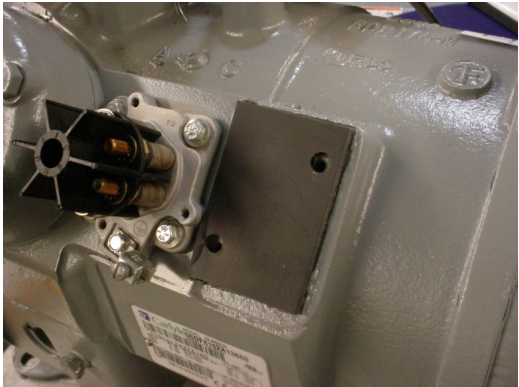
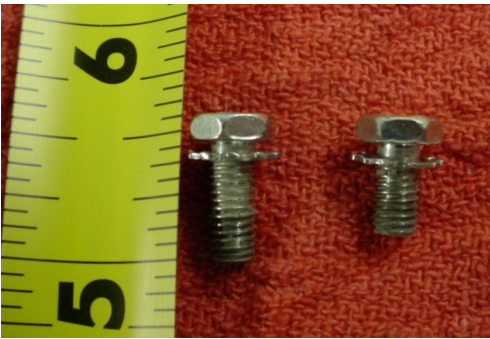
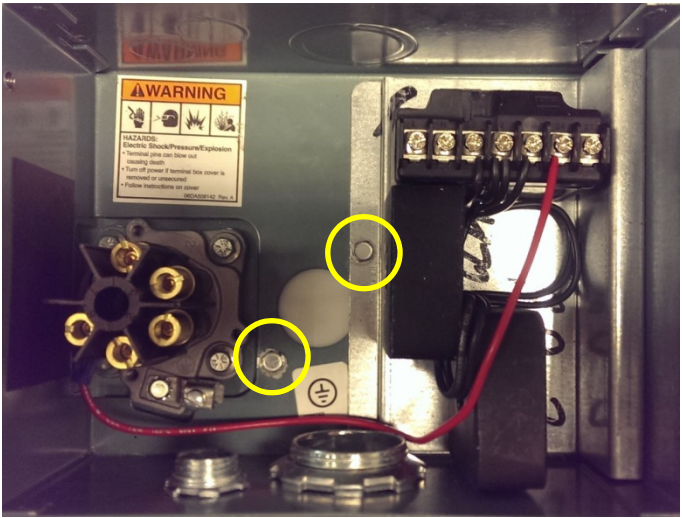
Make sure the system and compressor have been properly locked-out and tagged (LOTO) before proceeding with any work.

6

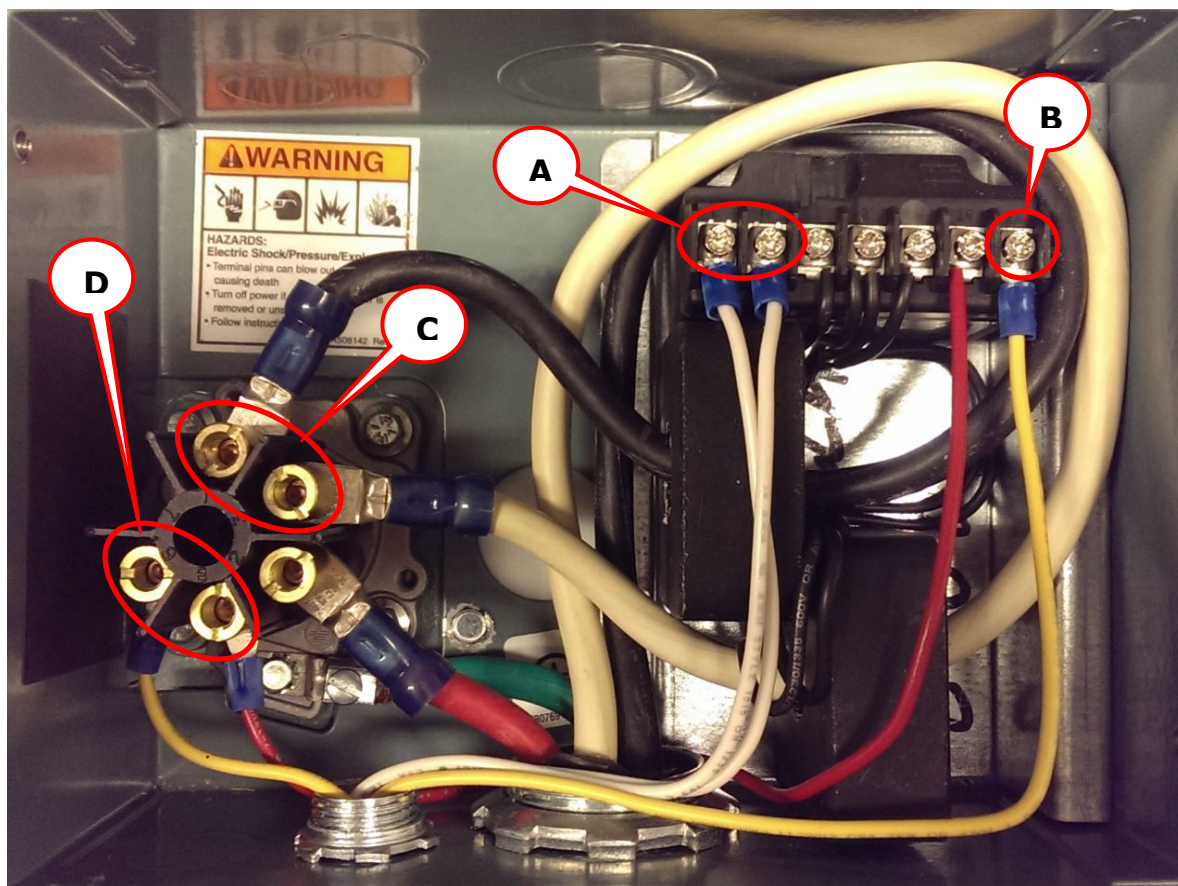
Remove the terminal box cover. If the compressor was fitted with Bi-Metal overloads, the wiring may resemble the figure below which shows a common 2 overload configuration:



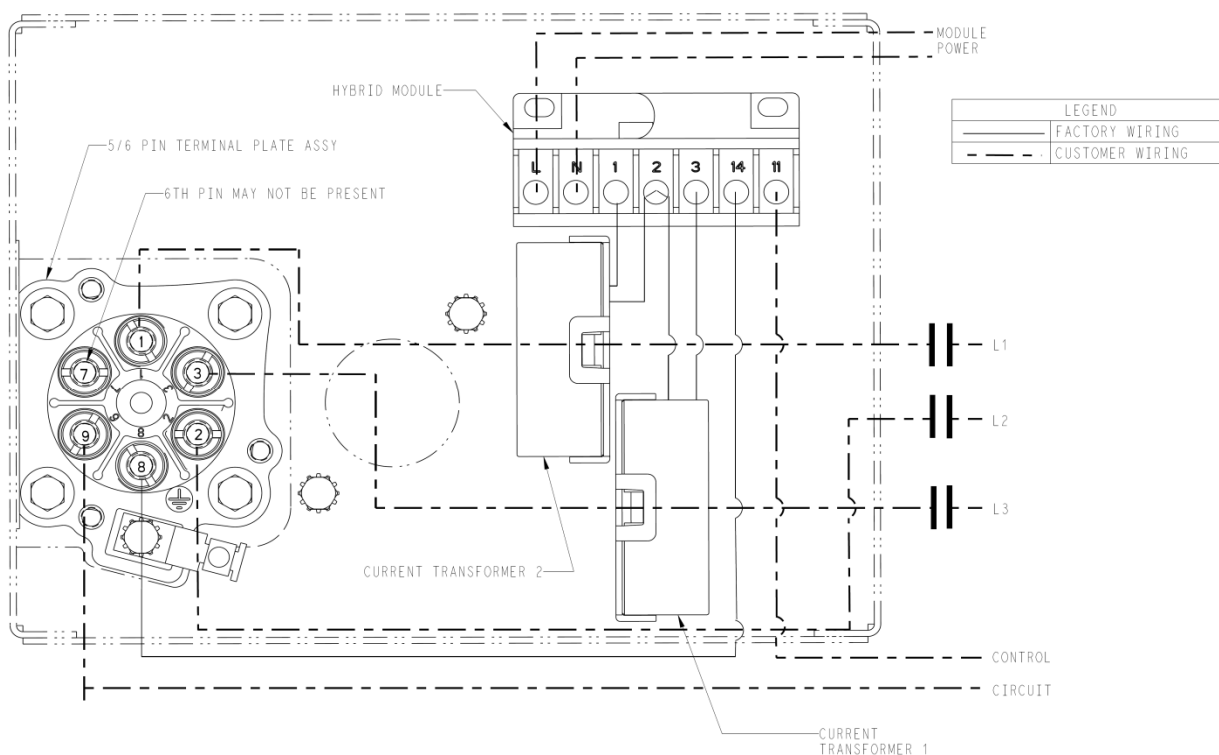
INT. MOTOR T' STAT
3-PHASE, ACROSS THE LINE, 2-OVERLOADS

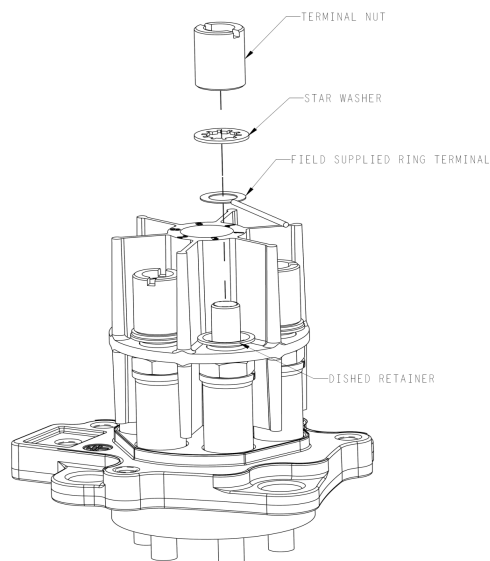
7	All of the electrical connections will have to be removed and in many cases, the terminal box will have to be replaced with the large folded type which is supplied with this kit.
8	If the kit is being installed on a 4 or 2 cylinder compressor, a spacer which is supplied with the kit, will need to be installed. This prevents the terminal box from interfering with the motor cover flange on the 4 cylinder and keeps the terminal box cover from interfering with the terminals on the 2 cylinder compressor. <u>Note:</u> The large folded box required to fit this motor protection system is <u>NOT</u> rated for outdoor use. 
9	Secure the terminal box to the compressor and torque the #10-32 screws to 36-60 in-lbs. <u>Note:</u> The longer ½" screws will be required to secure the terminal box if the spacer is used.  
10	There are four sets of electrical connections that need to be made: A) Control Power to the module (Terminals "L" & "N" on the module) B) Module connection for the control circuit (Terminal "11" on the module) C) The #1 & #3 Power Leads that are monitored by the CT (Current Transformer) D) Thermostat connections @ the terminal plate (Terminals "8" & "9" on the compressor) <u>There may be situations where the existing power leads going to terminals #1 & #3 are not long enough to be routed through the CTs. These leads will need to be replaced. The example shown in Step 6 has this issue and would require new leads from the starter to the compressor which are long enough to be routed through the CTs.</u>

The resulting wiring should match the picture and diagram below:



11



12

Make sure that the components for the compressor terminal pin connection are arranged correctly as shown. The Dished Retainer must be oriented so it extends through the Phase Barrier and the terminal sits on top. Below are the associated torque limits with those connections. Refer to the picture and diagram shown in Step 11

UP

DISHED RETAINER

CONNECTION	TORQUE IN-LBS
A) CONTROL POWER TO MODULE	9-11 IN-LBS
B) CONTROL CIRCUIT TO MODULE	
C) POWER CONNECTION TO TERMINAL PIN	18-30 IN-LBS
D) THERMOSTAT WIRES FROM MODULE TO TERM PINS	

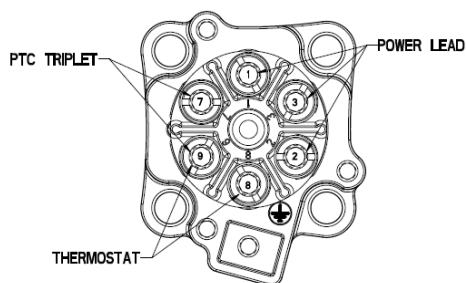
13

Make sure the new terminal box cover is used with the new labels. Torque the terminal box cover screws to 12-24 in-lbs.

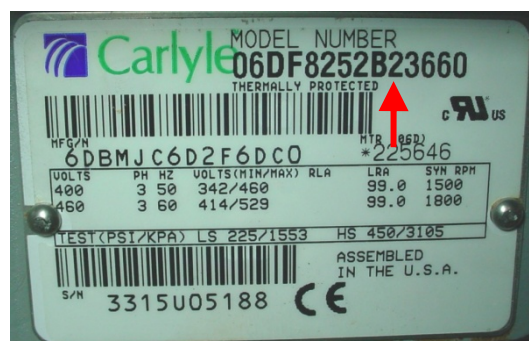
End.

14

From page 1: If the compressor being serviced has PTCs, which can be identified by 10th digit of the compressor Model No. having a "0", "1", "2", or "3" along with a 6 pin terminal plate, a different hybrid motor protection system can be used which only requires one CT and provides the added temperature protection for all three motor windings. These kits are available with kit numbers 06DA6606DBN***** (see instructions 99TA516180A).



6 Pin Terminal Plate



The 10th Digit Contains "0", "1", "2" or "3"

End.

APPENDIX I: TOOLS FOR 06D HYBRID MOTOR PROTECTION SERVICE

TOOL	TOOL NUMBER	SUPPLIER	OPERATION	S T E P (s)	NOTES
5/16" NUT DRIVER	00941972000P	CRAFTSMAN	REMOVING & INSTALLING: • TERMINAL BOX COVER • MTR PROTECTION ASSY	6 9 10 13	
#2 PHILLIPS OR FLAT BLADE SCREW DRIVER	AWP2X125	FACOM	REMOVING/INSTALLING WIRE CONNECTIONS ON MODULE	7 12	
FLAT BLADE SCREW DRIVER	AW10X200	FACOM	REMOVING/INSTALLING TERMINAL BARREL NUTS	7 12	TO FIT .064/.075" SLOT

REVISION RECORD

DATE	REV.	DESCRIPTION	CARLYLE REF. FILE NAME
11/16/15	---	INITIAL RELEASE	99TA516184_Service_Hybrid_Mtr_Protech.docx
5/19/16	A	ADDED 24 VDC MODELS & WARNINGS	99TA516184A_PTC_Hybrid_Mtr_Protech.docx

Appendix II – Compressor Model Cross Reference to Module Kit No.

LEGACY T'STAT MODELS WITH 5 PIN TERMINAL PLATES				
COMPRESSOR MODEL NUMBER	MOTOR PROTECTION SERVICE KIT No.			MCC (Amps)
	Control Voltage			
	110-220V	24V AC	24V DC	
06C * 016D ***	06DA6606DBSB0270	06DA6606DBSC0270	06DA6606DBSD0270	27.0
06C * 016G ***	06DA6606DBSB0135	06DA6606DBSC0135	06DA6606DBSD0135	13.5
06C * 016J ***	06DA6606DBSB0108	06DA6606DBSC0108	06DA6606DBSD0108	10.8
06C * 017D ***	06DA6606DBSB0270	06DA6606DBSC0270	06DA6606DBSD0270	27.0
06C * 017G ***	06DA6606DBSB0135	06DA6606DBSC0135	06DA6606DBSD0135	13.5
06C * 017J ***	06DA6606DBSB0108	06DA6606DBSC0108	06DA6606DBSD0108	10.8
06C * 018D ***	06DA6606DBSB0270	06DA6606DBSC0270	06DA6606DBSD0270	27.0
06C * 018G ***	06DA6606DBSB0135	06DA6606DBSC0135	06DA6606DBSD0135	13.5
06C * 018J ***	06DA6606DBSB0108	06DA6606DBSC0108	06DA6606DBSD0108	10.8
06C * 124D ***	06DA6606DBSB0330	06DA6606DBSC0330	06DA6606DBSD0330	33.0
06C * 124G ***	06DA6606DBSB0165	06DA6606DBSC0165	06DA6606DBSD0165	16.5
06C * 124J ***	06DA6606DBSB0132	06DA6606DBSC0132	06DA6606DBSD0132	13.2
06C * 125D ***	06DA6606DBSB0440	06DA6606DBSC0440	06DA6606DBSD0440	44.0
06C * 125G ***	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0
06C * 125J ***	06DA6606DBSB0176	06DA6606DBSC0176	06DA6606DBSD0176	17.6
06C * 228D ***	06DA6606DBSB0416	06DA6606DBSC0416	06DA6606DBSD0416	41.6
06C * 228G ***	06DA6606DBSB0209	06DA6606DBSC0209	06DA6606DBSD0209	20.9
06C * 228J ***	06DA6606DBSB0167	06DA6606DBSC0167	06DA6606DBSD0167	16.7
06C * 337D ***	06DA6606DBSB0466	06DA6606DBSC0466	06DA6606DBSD0466	46.6
06C * 337G ***	06DA6606DBSB0233	06DA6606DBSC0233	06DA6606DBSD0233	23.3
06C * 337J ***	06DA6606DBSB0188	06DA6606DBSC0188	06DA6606DBSD0188	18.8
06C * 337Q ***	06DA6606DBSB0378	06DA6606DBSC0378	06DA6606DBSD0378	37.8
06D * 013 ** A13 **	06DA6606DBSB0105	06DA6606DBSC0105	06DA6606DBSD0105	10.5
06D * 013 ** A31 **	06DA6606DBSB0070	06DA6606DBSC0070	06DA6606DBSD0070	07.0
06D * 013 ** A32 **	06DA6606DBSB0174	06DA6606DBSC0174	06DA6606DBSD0174	17.4
06D * 013 ** A36 **	06DA6606DBSB0087	06DA6606DBSC0087	06DA6606DBSD0087	08.7
06D * 109 ** A13 **	06DA6606DBSB0095	06DA6606DBSC0095	06DA6606DBSD0095	09.5
06D * 109 ** A31 **	06DA6606DBSB0044	06DA6606DBSC0044	06DA6606DBSD0044	04.4
06D * 109 ** A32 **	06DA6606DBSB0121	06DA6606DBSC0121	06DA6606DBSD0121	12.1
06D * 109 ** A36 **	06DA6606DBSB0055	06DA6606DBSC0055	06DA6606DBSD0055	05.5
06D * 109 ** A39 **	06DA6606DBSB0055	06DA6606DBSC0055	06DA6606DBSD0055	05.5
06D * 228 ** A13 **	06DA6606DBSB0336	06DA6606DBSC0336	06DA6606DBSD0336	33.6
06D * 228 ** A31 **	06DA6606DBSB0222	06DA6606DBSC0222	06DA6606DBSD0222	22.2
06D * 228 ** A32 **	06DA6606DBSB0555	06DA6606DBSC0555	06DA6606DBSD0555	55.5
06D * 228 ** A36 **	06DA6606DBSB0278	06DA6606DBSC0278	06DA6606DBSD0278	27.8
06D * 237 ** A06 **	06DA6606DBSB0278	06DA6606DBSC0278	06DA6606DBSD0278	27.8
06D * 237 ** A12 **	06DA6606DBSB0690	06DA6606DBSC0690	06DA6606DBSD0690	69.0
06D * 313 ** A13 **	06DA6606DBSB0164	06DA6606DBSC0164	06DA6606DBSD0164	16.4
06D * 313 ** A31 **	06DA6606DBSB0108	06DA6606DBSC0108	06DA6606DBSD0108	10.8
06D * 313 ** A32 **	06DA6606DBSB0270	06DA6606DBSC0270	06DA6606DBSD0270	27.0
06D * 313 ** A34 **	06DA6606DBSB0274	06DA6606DBSC0274	06DA6606DBSD0274	27.4
06D * 313 ** A36 **	06DA6606DBSB0135	06DA6606DBSC0135	06DA6606DBSD0135	13.5
06D * 316 ** A13 **	06DA6606DBSB0164	06DA6606DBSC0164	06DA6606DBSD0164	16.4
06D * 316 ** A31 **	06DA6606DBSB0108	06DA6606DBSC0108	06DA6606DBSD0108	10.8
06D * 316 ** A32 **	06DA6606DBSB0270	06DA6606DBSC0270	06DA6606DBSD0270	27.0
06D * 316 ** A34 **	06DA6606DBSB0274	06DA6606DBSC0274	06DA6606DBSD0274	27.4

Appendix II – Compressor Model Cross Reference to Module Kit No. Cont.

LEGACY T'STAT MODELS WITH 5 PIN TERMINAL PLATES				
COMPRESSOR MODEL NUMBER	MOTOR PROTECTION SERVICE KIT No.			MCC
	Control Voltage			
	110-220V	24V AC	24V DC	(Amps)
06D * 316 ** A36 **	06DA6606DBSB0135	06DA6606DBSC0135	06DA6606DBSD0135	13.5
06D * 328 ** A01 **	06DA6606DBSB0250	06DA6606DBSC0250	06DA6606DBSD0250	25.0
06D * 328 ** A05 **	06DA6606DBSB0694	06DA6606DBSC0694	06DA6606DBSD0694	69.4
06D * 328 ** A06 **	06DA6606DBSB0310	06DA6606DBSC0310	06DA6606DBSD0310	31.0
06D * 328 ** A08 **	06DA6606DBSB0564	06DA6606DBSC0564	06DA6606DBSD0564	56.4
06D * 328 ** A12 **	06DA6606DBSB0690	06DA6606DBSC0690	06DA6606DBSD0690	69.0
06D * 328 ** A13 **	06DA6606DBSB0420	06DA6606DBSC0420	06DA6606DBSD0420	42.0
06D * 328 ** A31 **	06DA6606DBSB0250	06DA6606DBSC0250	06DA6606DBSD0250	25.0
06D * 328 ** A32 **	06DA6606DBSB0620	06DA6606DBSC0620	06DA6606DBSD0620	62.0
06D * 328 ** A34 **	06DA6606DBSB0505	06DA6606DBSC0505	06DA6606DBSD0505	50.5
06D * 328 ** A36 **	06DA6606DBSB0310	06DA6606DBSC0310	06DA6606DBSD0310	31.0
06D * 337 ** A01 **	06DA6606DBSB0250	06DA6606DBSC0250	06DA6606DBSD0250	25.0
06D * 337 ** A05 **	06DA6606DBSB0694	06DA6606DBSC0694	06DA6606DBSD0694	69.4
06D * 337 ** A06 **	06DA6606DBSB0310	06DA6606DBSC0310	06DA6606DBSD0310	31.0
06D * 337 ** A08 **	06DA6606DBSB0564	06DA6606DBSC0564	06DA6606DBSD0564	56.4
06D * 337 ** A12 **	06DA6606DBSB0690	06DA6606DBSC0690	06DA6606DBSD0690	69.0
06D * 337 ** A13 **	06DA6606DBSB0378	06DA6606DBSC0378	06DA6606DBSD0378	37.8
06D * 337 ** A31 **	06DA6606DBSB0250	06DA6606DBSC0250	06DA6606DBSD0250	25.0
06D * 337 ** A32 **	06DA6606DBSB0620	06DA6606DBSC0620	06DA6606DBSD0620	62.0
06D * 337 ** A34 **	06DA6606DBSB0582	06DA6606DBSC0582	06DA6606DBSD0582	58.2
06D * 337 ** A36 **	06DA6606DBSB0310	06DA6606DBSC0310	06DA6606DBSD0310	31.0
06D * 537 ** A01 **	06DA6606DBSB0320	06DA6606DBSC0320	06DA6606DBSD0320	32.0
06D * 537 ** A05 **	06DA6606DBSB0800	06DA6606DBSC0800	06DA6606DBSD0800	80.0
06D * 537 ** A06 **	06DA6606DBSB0400	06DA6606DBSC0400	06DA6606DBSD0400	40.0
06D * 537 ** A08 **	06DA6606DBSB0750	06DA6606DBSC0750	06DA6606DBSD0750	75.0
06D * 537 ** A12 **	06DA6606DBSB0890	06DA6606DBSC0890	06DA6606DBSD0890	89.0
06D * 537 ** A13 **	06DA6606DBSB0542	06DA6606DBSC0542	06DA6606DBSD0542	54.2
06D * 537 ** A31 **	06DA6606DBSB0320	06DA6606DBSC0320	06DA6606DBSD0320	32.0
06D * 537 ** A32 **	06DA6606DBSB0890	06DA6606DBSC0890	06DA6606DBSD0890	89.0
06D * 537 ** A36 **	06DA6606DBSB0400	06DA6606DBSC0400	06DA6606DBSD0400	40.0
06D * 541 ** A01 **	06DA6606DBSB0320	06DA6606DBSC0320	06DA6606DBSD0320	32.0
06D * 541 ** A06 **	06DA6606DBSB0400	06DA6606DBSC0400	06DA6606DBSD0400	40.0
06D * 541 ** A08 **	06DA6606DBSB0750	06DA6606DBSC0750	06DA6606DBSD0750	75.0
06D * 541 ** A09 **	06DA6606DBSB0400	06DA6606DBSC0400	06DA6606DBSD0400	40.0
06D * 541 ** A12 **	06DA6606DBSB0890	06DA6606DBSC0890	06DA6606DBSD0890	89.0
06D * 541 ** A13 **	06DA6606DBSB0542	06DA6606DBSC0542	06DA6606DBSD0542	54.2
06D * 541 ** A31 **	06DA6606DBSB0320	06DA6606DBSC0320	06DA6606DBSD0320	32.0
06D * 541 ** A32 **	06DA6606DBSB0890	06DA6606DBSC0890	06DA6606DBSD0890	89.0
06D * 541 ** A36 **	06DA6606DBSB0400	06DA6606DBSC0400	06DA6606DBSD0400	40.0
06D * 718 ** A13 **	06DA6606DBSB0164	06DA6606DBSC0164	06DA6606DBSD0164	16.4
06D * 718 ** A31 **	06DA6606DBSB0108	06DA6606DBSC0108	06DA6606DBSD0108	10.8
06D * 718 ** A32 **	06DA6606DBSB0270	06DA6606DBSC0270	06DA6606DBSD0270	27.0
06D * 718 ** A36 **	06DA6606DBSB0135	06DA6606DBSC0135	06DA6606DBSD0135	13.5
06D * 724 ** A01 **	06DA6606DBSB0197	06DA6606DBSC0197	06DA6606DBSD0197	19.7
06D * 724 ** A06 **	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0
06D * 724 ** A12 **	06DA6606DBSB0488	06DA6606DBSC0488	06DA6606DBSD0488	48.8
06D * 724 ** A13 **	06DA6606DBSB0266	06DA6606DBSC0266	06DA6606DBSD0266	26.6
06D * 724 ** A31 **	06DA6606DBSB0176	06DA6606DBSC0176	06DA6606DBSD0176	17.6
06D * 724 ** A32 **	06DA6606DBSB0440	06DA6606DBSC0440	06DA6606DBSD0440	44.0
06D * 724 ** A36 **	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0
06D * 725 ** A06 **	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0

Appendix II – Compressor Model Cross Reference to Module Kit No. Cont.

LEGACY T'STAT MODELS WITH 5 PIN TERMINAL PLATES				
COMPRESSOR MODEL NUMBER	MOTOR PROTECTION SERVICE KIT No.			MCC (Amps)
	Control Voltage			
	110-220V	24V AC	24V DC	
06D * 725 ** A12 **	06DA6606DBSB0488	06DA6606DBSC0488	06DA6606DBSD0488	48.8
06D * 725 ** A13 **	06DA6606DBSB0266	06DA6606DBSC0266	06DA6606DBSD0266	26.6
06D * 725 ** A31 **	06DA6606DBSB0176	06DA6606DBSC0176	06DA6606DBSD0176	17.6
06D * 725 ** A32 **	06DA6606DBSB0440	06DA6606DBSC0440	06DA6606DBSD0440	44.0
06D * 725 ** A36 **	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0
06D * 808 ** A13 **	06DA6606DBSB0105	06DA6606DBSC0105	06DA6606DBSD0105	10.5
06D * 808 ** A31 **	06DA6606DBSB0070	06DA6606DBSC0070	06DA6606DBSD0070	07.0
06D * 808 ** A32 **	06DA6606DBSB0174	06DA6606DBSC0174	06DA6606DBSD0174	17.4
06D * 808 ** A34 **	06DA6606DBSB0178	06DA6606DBSC0178	06DA6606DBSD0178	17.8
06D * 808 ** A36 **	06DA6606DBSB0087	06DA6606DBSC0087	06DA6606DBSD0087	08.7
06D * 816 ** A13 **	06DA6606DBSB0266	06DA6606DBSC0266	06DA6606DBSD0266	26.6
06D * 816 ** A31 **	06DA6606DBSB0176	06DA6606DBSC0176	06DA6606DBSD0176	17.6
06D * 816 ** A32 **	06DA6606DBSB0440	06DA6606DBSC0440	06DA6606DBSD0440	44.0
06D * 816 ** A34 **	06DA6606DBSB0400	06DA6606DBSC0400	06DA6606DBSD0400	40.0
06D * 816 ** A36 **	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0
06D * 818 ** A01 **	06DA6606DBSB0197	06DA6606DBSC0197	06DA6606DBSD0197	19.7
06D * 818 ** A04 **	06DA6606DBSB0546	06DA6606DBSC0546	06DA6606DBSD0546	54.6
06D * 818 ** A06 **	06DA6606DBSB0246	06DA6606DBSC0246	06DA6606DBSD0246	24.6
06D * 818 ** A12 **	06DA6606DBSB0488	06DA6606DBSC0488	06DA6606DBSD0488	48.8
06D * 818 ** A13 **	06DA6606DBSB0266	06DA6606DBSC0266	06DA6606DBSD0266	26.6
06D * 818 ** A31 **	06DA6606DBSB0176	06DA6606DBSC0176	06DA6606DBSD0176	17.6
06D * 818 ** A32 **	06DA6606DBSB0440	06DA6606DBSC0440	06DA6606DBSD0440	44.0
06D * 818 ** A34 **	06DA6606DBSB0400	06DA6606DBSC0400	06DA6606DBSD0400	40.0
06D * 818 ** A36 **	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0
06D * 820 ** A13 **	06DA6606DBSB0266	06DA6606DBSC0266	06DA6606DBSD0266	26.6
06D * 820 ** A31 **	06DA6606DBSB0176	06DA6606DBSC0176	06DA6606DBSD0176	17.6
06D * 820 ** A32 **	06DA6606DBSB0440	06DA6606DBSC0440	06DA6606DBSD0440	44.0
06D * 820 ** A36 **	06DA6606DBSB0220	06DA6606DBSC0220	06DA6606DBSD0220	22.0
06D * 824 ** A01 **	06DA6606DBSB0249	06DA6606DBSC0249	06DA6606DBSD0249	24.9
06D * 824 ** A06 **	06DA6606DBSB0278	06DA6606DBSC0278	06DA6606DBSD0278	27.8
06D * 824 ** A12 **	06DA6606DBSB0690	06DA6606DBSC0690	06DA6606DBSD0690	69.0
06D * 824 ** A13 **	06DA6606DBSB0336	06DA6606DBSC0336	06DA6606DBSD0336	33.6
06D * 824 ** A31 **	06DA6606DBSB0222	06DA6606DBSC0222	06DA6606DBSD0222	22.2
06D * 824 ** A32 **	06DA6606DBSB0555	06DA6606DBSC0555	06DA6606DBSD0555	55.5
06D * 824 ** A34 **	06DA6606DBSB0505	06DA6606DBSC0505	06DA6606DBSD0505	50.5
06D * 824 ** A36 **	06DA6606DBSB0278	06DA6606DBSC0278	06DA6606DBSD0278	27.8
06D * 825 ** A01 **	06DA6606DBSB0222	06DA6606DBSC0222	06DA6606DBSD0222	22.2
06D * 825 ** A06 **	06DA6606DBSB0278	06DA6606DBSC0278	06DA6606DBSD0278	27.8
06D * 825 ** A12 **	06DA6606DBSB0690	06DA6606DBSC0690	06DA6606DBSD0690	69.0
06D * 825 ** A13 **	06DA6606DBSB0336	06DA6606DBSC0336	06DA6606DBSD0336	33.6
06D * 825 ** A31 **	06DA6606DBSB0222	06DA6606DBSC0222	06DA6606DBSD0222	22.2
06D * 825 ** A32 **	06DA6606DBSB0555	06DA6606DBSC0555	06DA6606DBSD0555	55.5
06D * 825 ** A34 **	06DA6606DBSB0505	06DA6606DBSC0505	06DA6606DBSD0505	50.5
06D * 825 ** A36 **	06DA6606DBSB0278	06DA6606DBSC0278	06DA6606DBSD0278	27.8