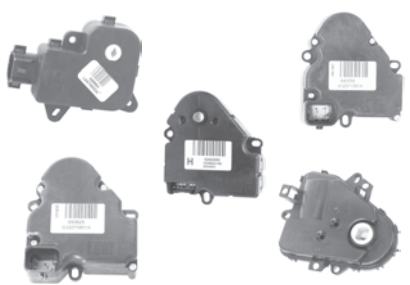


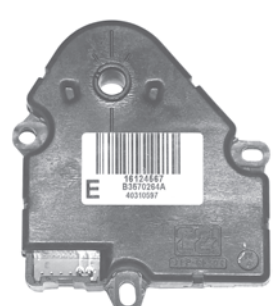






SWITCHES (11-)



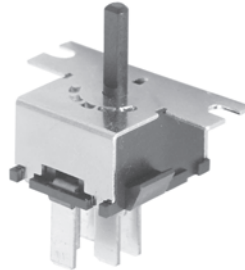





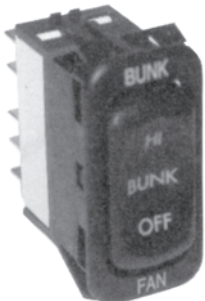





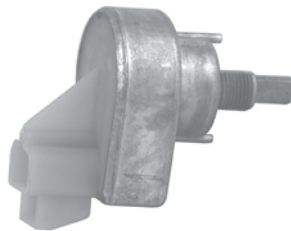

A/C ON/OFF SWITCHES (See Blower Switches)	480	PIGTAILS for Relay and Switches	513
ACTUATORS (Also See Heater Actuators 10-Series)	480	POTENTIOMETERS	488
AIR OPERATED (See Misc. Section) (19-)	584	PRESSURE SWITCHES	490
AMBIENT TEMP SWITCH (See Pressure Switches)	490	REFRIGERANT TEMP. SWITCHES	490
BLOWER SWITCHES	482	RELAYS	504
BINARY, TRINARY™ SWITCHES	501-503	RESISTORS	507
C.T.C.™ SWITCHES (See Control Switches)	488	ROCKER SWITCHES	480
CIRCUIT BREAKERS	486	SOLENOID SWITCHES and VALVES	509
CLUTCH SWITCHES	487	SUPERHEAT SWITCHES	509
COMPRESSOR SWITCHES	487	THERMOSTATIC SWITCHES	510
CONTROL SWITCHES	488	TEMPERATURE SWITCHES	489
CYCLING SWITCHES (See Pressure Switches)	490	TOGGLE SWITCHES	480
FAN SWITCHES	480	TRANSDUCERS	500
FREON SWITCHES (See Pressure Switches)	490	TRINARY™ SWITCHES	503
HEATER ON/OFF SWITCHES	480	WIRING COMPONENTS	513
MICRO SWITCHES	487		



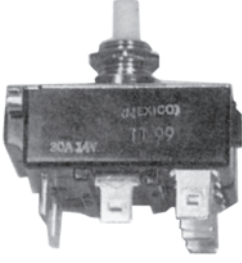
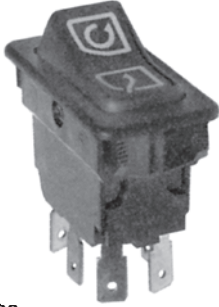

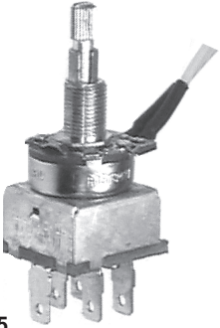

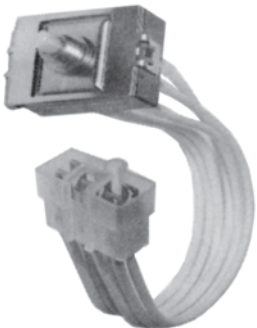

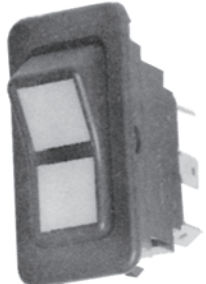





Actuators	
<p>Also See 10-Series Heater Actuators</p> 	 <p>11-0658 Actuator Service Kit for HVAC, 6 pin Freightliner Cascadia VCCT1000901D, T1000579D/A</p>
	 <p>11-0660 Control Stepper Motor for HVAC, 6 pin Freightliner Columbia BOA91594, A7583003</p>
 <p>11-1640 Actuator Vent Solenoid for HVAC, 2 pin VOLVO 85104208, BOAA2095, BOA90922</p>	






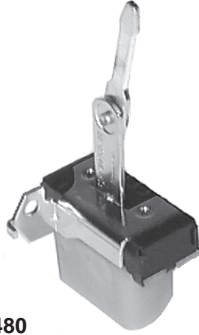


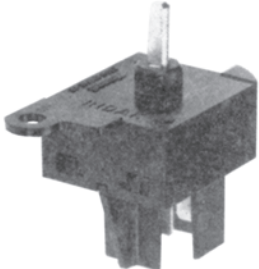


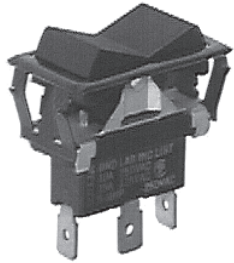




Blower (A/C - Fan or Rheostat) Switches are used to turn either the blower motor, or A/C system, or heater system, on or off, or control the various speeds of the motor.

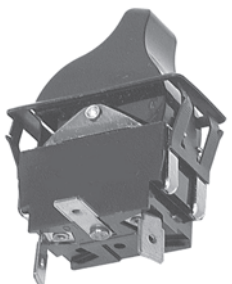
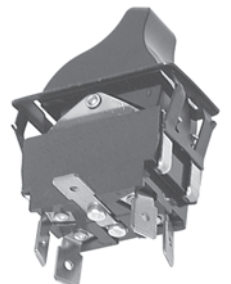
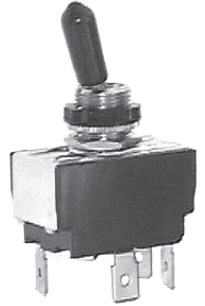

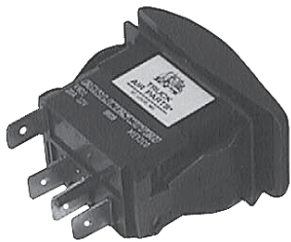
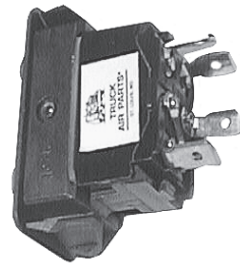





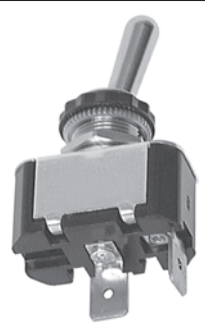




Note: Abbreviations used in this section:
 NC = Normally Closed SPST = single pole, single throw DPST = double pole, single throw
 NO = Normally Open SPDT = single pole, double throw DPDT = double pole, double throw

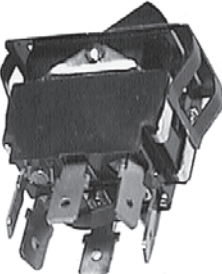
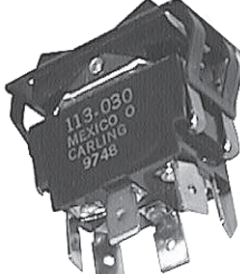






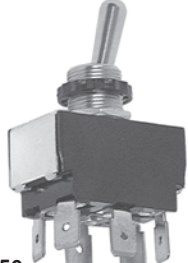
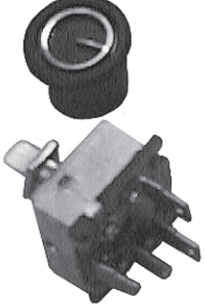
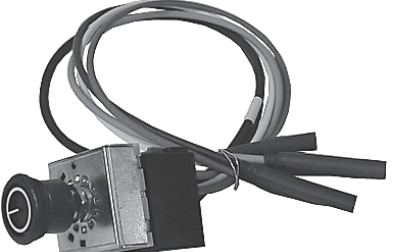
Blower/Fan/Rocker/Toggle Switches			
			
11-0204	11-0206	11-0207	11-0208
Blower Switch	Blower Switch	Blower Switch	Heater Fan Switch
CHEV/GMC O.E. 9349679	CHEV/GMC O.E. 16032480	CHEV/GMC O.E. 469368	CHEV/GMC O.E. 673528
3 Terminal	4 Terminal Rotary, 4 Positions	4 Terminal, 4 Positions	4 Terminal, 4 Positions

Blower/Fan/Rocker/Toggle Switches			
			
11-0209	11-0227	11-0229	11-0610
Blower Switch	Heater-A/C Switch	Blower Switch	Blower Switch
CHEV/GMC O.E. 16015256	CHEV/GMC O.E. 16088432	CHEV/GMC Topkick O.E. 16054620	Freightliner O.E. 681-545-03-22
4 Terminal Rotary, 4 Positions	4 Terminal, 4 Positions	5 Terminal	4 Terminal, 4 Positions
			
11-0614	11-0631	11-0634	11-0635
Blower Switch - 12 volt	Fan Switch	Rocker Switch Freightliner	Blower Switch Freightliner
3 Speed w/Wiring Harness	Freightliner O.E. A22-30822-000	O.E. BOA80-612-01-219; ABPN 83 322405	O.E. BOA80-928-01-029
Freightliner O.E. A06-14889-001	Freightliner O.E. A22-30822-000	2 Terminal, w/2 Air Lines	7 Terminal, w/Pigtail Harness
			
11-0641	11-0642	11-0644	11-0645
Rocker Switch - Bunk	Rocker Switch	A/C Control Assembly	Rocker Switch - air control
Freightliner A06-30769-032	Freightliner A06-30769-011	ABPN83-322930	Frghltnr ABPN 83 322650
10 Terminal	9 Terminal		
			
11-0651	11-0656	11-0659	11-0800
Blower Switch	A/C Control Assembly - dash	Fan Switch, 3 pin	Blower Switch
H09080034900	Freightliner Cascadia A22-60645-002	2003-07 Freightliner Columbia/Coronado 22-54716-000	IHC Transtar O.E. 469368 4 Terminal, OFF-ON-ON-ON

Blower/Fan/Rocker/Toggle Switches			
			
11-0802	11-0814	11-1005	11-1006
Blower Switch	Blower Fan/Switch	Rotary Switch - Cab Bunk	Rocker Switch - Air Control
IHC/NAVISTAR O.E. 472253-C1	IHC/NAVISTAR O.E. 501087-C1	KW, Peterbilt 650624BSM	KW, Peterbilt 650467BSM
5 Terminal, OFF-ON-ON-ON	10 Terminal, OFF-ON-ON-ON	6 Terminal	5 Terminal
		Photo Not Available	
11-1013	11-1205	11-1206	11-1225
Rotary - Bunk Control	Fan & Thermostat Switch	Fan Switch, 40 amp	A/C Control Assembly
KW, Peterbilt 650463BSM	MACK O.E. 3486-7010509012	5 Speed 5 Terminal	Mack 7787-880011
5 Terminal, w/2 wire harness	2000-04 Mack Vision		
			
11-1414	11-1416	11-1417	11-1601
Bunk - Fan Control	Rocker Switch - Fan Control	SPDT=single pole, double throw	Volvo White/White GMC
Peterbilt O.E. BCH56P1	Peterbilt O.E. CCH33P1	Peterbilt O.E. CCH52P1	O.E. 60018-0002
5 Terminal, OFF-ON-ON-ON	5 Terminal, 3 Speed		
			
11-1611	11-1612	11-2033	11-2035
Rocker Switch	Bunk Switch	Blower Switch	A/C On-Off Toggle Switch
Volvo GM w/Bergstrom	Volvo GM w/Harness	harness #11-3166; 12/24 volt	Peterbilt O.E. 221181KB
O.E. V1118424	O.E. 3935302	SPST=single pole, single throw	4 Terminals, 2 Positions
2 Terminal, NC=normally closed		Kenworth O.E. K301-19, 65209P	
		5 Terminal, OFF-ON-ON-ON	


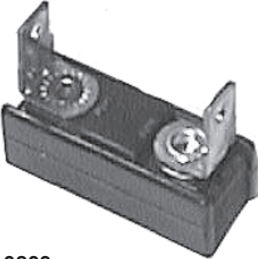




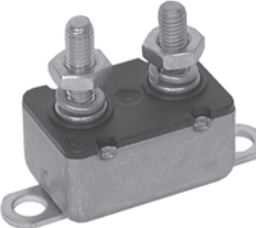

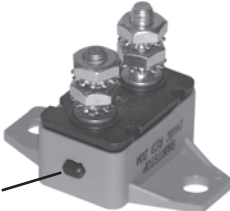

Blower/Fan/Rocker/Toggle Switches			
			
11-2039 Blower Fan Switch harness #11-3166; 12/24 volt Kenworth W900 w/Kysor A/C O.E. 221503KB 5 Terminal, OFF-ON-ON-ON	11-2400 Blower Switch FORD F100-350 O.E. D3AZ-19986A 4 Terminal, 4 Positions	11-2401 Blower Switch - Long shaft FORD F-600-800 O.E. D5AZ-19986A 4 Terminal, 4 Positions	11-2406 Blower Switch FORD L-SERIES O.E. D0AZ-19986A 5 Terminal, OFF-ON-ON
			
11-2479 Blower Switch, harness #11-3101 Ford F1HZ-19986A; YH518 4 Terminal, 4 Positions	11-2480 Blower Switch, harness #11-3101 Ford F0HZ-19986A; YH507 4 Terminal, 4 Positions	11-2481 Blower Switch Ford F150-350; Sterling F4DZ-19986A; YH588	11-2482 Blower Switch, 4 terminal Ford F-Series 98-2007 1L2Z-19986AA; YH1670
			
11-2483 Front Fan Ford Van E6DZ-19986A; YH445	11-2600 Toggle Switch (Black) 12/24 volt SPST=single pole, single throw RED DOT O.E. 71R-0050 3 Terminal, ON-OFF	11-2601 Toggle Switch (Black) 12/24 volt SPDT=single pole, double throw RED DOT O.E. 71R-0100 3 Terminal, ON-OFF-ON	11-2602 Rocker Switch 12 volt SPDT=single pole, double throw RED DOT O.E. 71R-0500 3 Terminal, ON-OFF-ON
			
11-2604 Rocker Switch 12 volt DPDT=double pole, dbl throw RED DOT O.E. 71R-0600 6 Terminal, ON-OFF-ON	11-2605 Toggle Switch (Black) 12/24 volt DPDT=double pole, dbl throw RED DOT O.E. 71R-0250 5 Terminal, ON-OFF-ON	11-2606 Rocker Switch 12 volt DPST=double pole, single throw RED DOT O.E. 71R-0650 6 Terminal, ON-ON	11-2607 Rocker Switch 12 volt SPST=single pole, single throw RED DOT O.E. 71R-0700 2 Terminal, ON-ON

Blower/Fan/Rocker/Toggle Switches			
			
11-2608	11-2609	11-2610	11-2611
Safety Switch 12/24 volt	Safety Toggle Switch 12/24 volt	Blower Sw. (chrome) 12/24 volt	Blower Switch - UNIVERSAL
SPDT=single pole, double throw	DPDT=double pole, dbl throw	DPDT=dbl pole, dbl throw	12 volt and 24 volt use
RED DOT O.E. 71R-0150	RED DOT O.E. 71R-0300	RED DOT O.E. 71R-0400	5 Terminal, 3 Speed, 20 Amp
3 Terminal, ON-OFF-ON	5 Terminal, ON-OFF-ON	4 Terminal, ON-ON-ON	For short shaft use 11-3050
			
11-2614	11-2615	11-2617	11-2618
Rocker Sw -Illuminated, 12 volt	Rocker Switch, 12 volt	Rocker Sw -Illuminated, 12 volt	Rocker Sw-Illuminated, 24 volt
SPDT=single pole, dbl throw	SPST=single pole, single throw	DPDT=double pole, double throw	DPDT=double pole, double throw
RED DOT O.E. RD5-8315-0	RED DOT O.E. RD5-7181-0	Red Dot O.E. 71R-0852	RED DOT O.E. 71R-0854
4 Terminal, ON-OFF-ON	4 Terminal OFF-ON-ON	4 Terminal OFF-ON-ON	4 Terminal OFF-ON-ON
			
11-2619	11-2644	11-2658	11-2669
A/C Switch-Illuminated, 12 volt	Blower Toggle Switch, 12/24 volt	Blower Toggle Sw, 12/24 volt	Toggle Switch
RED DOT O.E. RD5-6713-0	DP=double pull	DPDT=dbl pole, dbl throw	2Terminal ON-OFF
3 Terminal	RED DOT O.E. 71R-0470	RED DOT O.E. RD5-5400-0	
	10 Terminal OFF-ON-ON-ON	4 Terminal ON-OFF-ON	
			
11-2670	11-2671	11-2672	11-2673
Rocker Switch-Illuminated	Rocker Switch-Illuminated	Rocker Switch-Illuminated	Rocker Switch-Illuminated
12 volt, Blue light	12 volt, Green light	12 volt, White light	24 volt, Amber light
SPST=single pole, single throw	SPST=single pole, single throw	SPST=single pole, single throw	SPST=single pole, single throw
RED DOT O.E. 71R0512	RED DOT O.E. 71R0522	RED DOT O.E. 71R0532	RED DOT O.E. 71R0884
3 Terminal, ON-OFF	3 Terminal, ON-OFF	3Terminal, ON-OFF	4Terminal, ON-OFF

Blower/Fan/Rocker/Toggle Switches			
			
<p>11-3025 Rocker Switch TransAir O.E. 113-019 6 Terminal, 12V</p>	<p>11-3026 Rocker Switch TransAir O.E. 113-030 6 Terminal, 12V</p>	<p>11-3050 Blower Switch - UNIVERSAL harenss #11-3031; 12/24 volt 5 Terminal, No Resistors 3 Position, 20 Amp <i>For long thrd shaft use 11-2611</i></p>	<p>11-3051 Blower Switch - 24 volt only KYSOR O.E. 220746 Tandem5 Terminals with Resistors, 3 Positions Used w/Single Spd P.M. 2-Wire Motors</p>
	 <p style="text-align: center;">UNIVERSAL</p>	 <p style="text-align: center;">UNIVERSAL</p>	
<p>11-3052 Blower Switch - 12 volt only KYSOR O.E. 220743 Tandem 5 Terminals with Resistors, 3 Positions Used w/Single Spd P.M. 2-Wire Motors</p>	<p>11-3053 Blower Switch, 12 volt only 3 Terminals with Resistors, 3 Positions Used w/Single Spd P.M. 2-Wire Motors</p>	<p>11-3054 Blower Switch, 24 volt only 3 Terminals with Resistors, 3 Positions Used w/Single Spd P.M. 2-Wire Motors</p>	<p>11-3055 Rocker Switch, 12 volt DPDT=double pole, dbl throw RED DOT O.E. 71R-0550 5 Terminal ON-OFF-ON</p>
			
<p>11-3056 Toggle Sw (chrome), 12/24 volt DPDT=double pole, dbl throw RED DOT O.E. 71R-0200 KYSOR O.E. 220758, 221189 6 Terminal ON-OFF-ON</p>	<p>11-3073 Fan Switch for Auxiliary Heater 2 speed, 12/24 volt, 4 Terminal (with knob and decal)</p>	<p>11-3099 BLOWER SWITCH & HARNESS ASSEMBLY H.D. 40 amp Blower switch & harness for bus and coach applications 18" 12 gauge wire-color coded, heat shrink connectors 1-3/8" switch body, mounting nut and control switch knob.</p>	
<p>Photo Not Available</p>			
<p>11-3500 Dash Control Panel Single Control & Electric Kit For Bus Add-on A/C Units</p>			

Circuit Breakers

Circuit Breakers are devices used in place of a fuse to protect a circuit. There are manually resettable and automatic reset types of circuit breakers. Manual reset breakers remain open on overload until the reset button is depressed. Auto-reset breakers cycle or "continuously" reset until the overload is corrected. "Non-cycling" type II circuit breakers remain open until overload situation is corrected. Power must be disconnected for breaker to reset.

	 <p>11-0803 Plug-in Type 30 Amp, 12 volt Non-cycling Type II IHC/NAVISTAR O.E. 500459-C1</p>	 <p>11-2042 30 Amp, 12 volt Manual Push to Reset Type KYSOR O.E. 221122</p>	 <p>11-2044 15 Amp, 12 volt Manual Push to Reset Type KYSOR O.E. 221442</p>
 <p>11-2645 15 Amp, 12 volt Manual Push to Reset Type RED DOT O.E. RD5-6602-0</p>	 <p>11-2659 30 Amp, 12 volt Manual Push to Reset Type RED DOT O.E. RD5-5874-0</p>	 <p>11-3062 20 Amp, 12/24 volt 11-3063 30 Amp, 12/24 volt 11-3064 40 Amp, 12/24 volt Automatic Reset Stud Type w/ Bracket</p>	 <p>11-3065 5 Amp, 12 volt 11-3066 20 Amp, 12 volt 11-3067 25 Amp, 12 volt 11-3068 35 Amp, 12 volt Manual Push to Reset Type</p>
 <p>11-3170 10 Amp, 12/24 volt 11-3172 20 Amp, 12/24 volt 11-3173 30 Amp, 12/24 volt 11-3175 50 Amp, 12/24 volt Manual Push to Reset Type Carrier/TransAir</p>	 <p>11-3170A ... 10 Amp, 12/24 volt 11-3172A ... 20 Amp, 12/24 volt 11-3172B ... 20 Amp, 12/24 volt 11-3173A ... 30 Amp, 12/24 volt 11-3175A ... 50 Amp, 12/24 volt Automatic Reset Carrier/TransAir</p>		

Compressor & Clutch Switches

Compressor or Clutch Switches are used to engage the A/C compressor clutch assembly when the switch or control is turned on.

			
<p>11-0632 Micro Switch V7-1C27E9-283; N83-322300</p>	<p>11-0815 A/C Compressor Switch, 12v IHC/NAVISTAR 1661427-C92</p>	<p>11-0825 3 wire A/C Compressor Switch, 12v</p>	<p>11-1007 Micro Switch BCH39P1 KW 650471; 85103428 2Terminal w/o lever</p>
			
<p>11-2001 Pushbutton 5 Terminal - Illuminated, 12v</p>	<p>11-2034 15 Amp - 12V, 3 Terminals RD5-5308-0; VL3L3014-D9; 176298; 652100BSM</p>	<p>11-2619 A/C Switch - Illuminated RD5-6713-0 3 Terminal, 12V</p>	<p>11-3016 8 amp, 12V , 2 Terminals SPDT=single pole, double throw V7-1C27E9-292; 118425</p>

Control Switches / Modules / Potentiometers / Temp Comp

Control Switches are used to operate the various functions and modes of the A/C and/or heater system, and are normally found on the A/C-Heater Control Panel.

			
<p>11-0627 Control Sensor 2 Terminal FREIGHTLINER BOA80-942-00-049</p>	<p>11-0630 Bunk Control Switch FREIGHTLINER A06-21497-001</p>	<p>11-0636 APADS A/C Protectin Unit Bunk Control Switch CM820 O.E. 22-42273-002; 8042138P</p>	<p>11-0649 Temperature Probe Sensor FREIGHTLINER BOA91619 2 pin</p>
			
<p>11-0650 Evaporator Temperature Probe FREIGHTLINER VCC 83000036 2 Terminal</p>	<p>11-0652 Duct Sensor Assembly FREIGHTLINER BOAD2512 2 pin</p>	<p>11-0654 Sensor/Discharge Air Century Class/Columbia 2 Terminal</p>	<p>11-0657 Evaporator Probe Kit Freightliner Cascadia VCCT1000902E 2 pin</p>
			
<p>11-0661 Control Temp. Sensor Freightliner Cascadia VCCT1000903U 2 pin</p>	<p>11-0663 Control Switch, 12 volt FREIGHTLINER N83-322951, BOA98213 7 Terminal</p>	<p>11-0707 Temp. Sensor for Evaporators Sprinter Van 2003-06, 2.7TD 05103937AA 2 pin</p>	<p>11-0708 Temp. Sensor for Evaporators Sprinter Van 2007-08 5103937AB 3 Terminal</p>
			
<p>11-0710 Sensor Sprinter Van 2003-06, 2.7TD 68012635AA 2 pin</p>	<p>11-0838 Temp. Sensor Probe, 12 volt NAVISTAR PROSTAR 3599601-C1 2 pin</p>	<p>11-1009 Temperature Potentiometer KENWORTH O.E. 650458, ACH49P1 (Male Connector) 3 wire</p>	<p>11-1010 Temperature Potentiometer KENWORTH O.E. 650465 4 wire (Female Connector)</p>

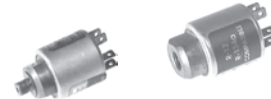
Control Switches / Modules / Potentiometers / Temp Comp

Control Switches are used to operate the various functions and modes of the A/C and/or heater system, and are normally found on the A/C-Heater Control Panel.

			
11-1014	11-1215	11-1411	11-1412
Temperature Circuit Board	APADS Module	Potentiometer Switch	Potentiometer Switch
KENWORTH O.E. 650396BSM	MACK O.E. RD5-10771-0	PETERBILT O.E. 650703 (Male Connector)	PETERBILT O.E. 650702 (Female Connector)
			
11-1419	11-1614	11-1622	11-1625
Control Module Sensor	Control Module	APADS/Control Module (can use 11-3226)	APADS/Control Module
PETERBILT P93CAA4203-01S	VOLVO-GM O.E. 3947442	VOLVO O.E. 3939315; INDEX 8042108P	VOLVO 3099497; INDEX 8042114P
			
11-1626 PURPLE	11-2647	11-2683	11-2685
APADS Control Module	C.T.C.™ Resistor Kit	Sleeper Control	C.T.C.™ Resistor Diode (Rotary)
VOLVO 20357742, 20357741	Fits Trucks with Red Dot	RED DOT O.E. RD5-3725-0	RED DOT O.E. RD6-4691
INDEX 8042152P, 8042133P	C.T.C.™ Systems		
	RED DOT O.E. RD6-4661-1		
			
11-3225 White label	11-3226 White label		
APADS/Module CM813 -ECM	APADS/Module CM813 non-ECM		
Mack O.E. 228RD31	INDEX 8042103P		
INDEX 8042105P			



PRESSURE SWITCHES



Pressure Switches are used to cycle the A/C compressor or clutch either on or off, or both, (depending upon the design of the switch) when pressures in the A/C system either exceed or fall below the proper operating pressures. In some systems, pressure switches are also used to engage the engine cooling fan. There are two basic groups of pressure switches, those normally open, and those normally closed in their factory settings. Normally open switches disallow current flow within their factory setting range. Normally closed switches allow current flow within their factory setting range. Switches should be replaced with the same type operation and pressure settings. Low pressure switches activate (open or close depending on whether the switch is normally open or closed) on pressure drop. High pressure switches activate on pressure rise. While the settings listed reflect factory settings, most switches will fluctuate + or - 3 to 10 p.s.i. A "quick find" chart is shown below for your convenience (does not include GM or Ford Accumulator, pressure cycling type).

BINARY SWITCHES							
N.C. = Normally Closed N.O. = Normally Open							
MANUFACTURER	TYPE	OPEN	CLOSE	THREAD	HARNESS	CONNECTOR	PART NO.
FREIGHTLINER	Binary	350-28	227-40	1/4" Fem	NONE	2 SPADE	11-0616
FREIGHTLINER	Binary	350-28	227-40	M10 Fem	NONE	2 SPADE	11-0624
FREIGHTLINER	Binary	28-40	341-455	M10 Fem	NONE	2 PIN	11-0640
KENWORTH	Binary	-	-	M10 Fem	NONE	2 PIN	11-1015
MACK	Binary	28-38	227-312	M10 Fem	w/HARNESS	MP 2W M	11-1212
RED DOT	Binary	15-270	40-120	1/4" Fem	NONE	2 SPADE	11-2630
RED DOT	Binary	15-270	40-120	1/4" Male	NONE	2 SPADE	11-2631
RED DOT	Binary	15-270	40-120	1/4" Fem	w/HARNESS	2 SPADE	11-2632
RED DOT	Binary	330-370	180-240	M10 Fem	NONE	2 PIN	11-2656
UNIVERSAL	Binary	28.5	395	1/4" Male	NONE	2 SPADE	11-3019
FAN OVERRIDE SWITCHES							
APPLICATION	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	TERMINAL	PART NO.
RED DOT	N.O.	190	250	1/4" Fem	w/HARNESS	MP 2W M	11-2654
RED DOT	N.O.	200	270	M10 Fem		2 PIN	11-2657
BERGSTROM	N.O.	210	260	1/4" Fem	w/HARNESS	BARE	11-2023
NAVISTAR	N.C.	250	100	M10 Fem	w/HARNESS	MP 2W M	11-0827
PETERBILT	N.C.	-	-	-	-	-	11-1409
HIGH PRESSURE SWITCHES							
APPLICATION	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	TERM.	PART NO.
NAVISTAR	N.C.	250	100	1/4" Fem	w/HARNESS	MP 2W M	11-0817
BERGSTROM	N.C.	260	210	M10 Fem	w/HARNESS	BARE	11-2061
FREIGHTLINER	N.C.	265	180	1/4" Fem	w/HARNESS	WP 2W M	11-0618
NAVISTAR	N.C.	275	225	1/4" Fem	w/HARNESS	BARE	11-0812
NAVISTAR	N.C.	275	225	M10 Fem	w/HARNESS	WP 2W M	11-0829
NAVISTAR	N.C.	280	240	1/4" Fem	w/HARNESS	WP 2W M	11-0824
KENWORTH	N.C.	285	240	M10 Fem	w/HARNESS	WP 2W F	11-1002
BERGSTROM	N.C.	300	200	1/4" Fem	-	SCREW MT	11-2012
BERGSTROM	N.C.	300	200	1/4" Fem	w/HARNESS	MxF SPADE	11-2027
BERGSTROM	N.C.	300	200	M10 Fem	w/HARNESS	MxF PACK	11-2057
NAVISTAR	N.C.	300	210	1/4" Fem	w/HARNESS	MxF SPADE	11-0813
NAVISTAR	N.C.	300	210	M10 Fem	w/HARNESS	WP 2W M	11-0828
FREIGHTLINER	N.C.	300	250	M10 Fem	w/HARNESS	WP 2W M	11-0617
NAVISTAR	N.C.	310	210	1/4" Fem	w/HARNESS	WP 2W M	11-0816
UNIVERSAL	N.C.	325	250	1/4" Fem	w/HARNESS	MxF SPADE	11-3012
RED DOT	N.C.	330	180	M10 Fem	-	2 PIN	11-2656
RED DOT	N.C.	340	210	1/4" Fem	w/HARNESS	WP 2M	11-2652
BUS	N.C.	350	250	1/4" Fem	w/HARNESS	BARE	11-3021
BERGSTROM	N.C.	350	260	M10 Fem	w/HARNESS	MxF SPADE	11-2062
KENWORTH	N.C.	355	250	M10 Fem	-	2 PIN	11-1001

(continued)

PRESSURE SWITCHES (continued)

HIGH PRESSURE SWITCHES (continued)							
						N.C. = Normally Closed	N.O. = Normally Open
APPLICATION	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	TERMINAL	PART NO.
BERGSTROM	N.C.	375	200	1/4"Fem	w/HARNESS	BARE	11-2009
RED DOT	N.O.	170	215	1/4"Fem	w/HARNESS	-	11-2642
PETERBILT	N.O.	190	250	1/4"Fem	w/HARNESS	BARE	11-1402
RED DOT	N.O.	190	250	M10 Fem	w/HARNESS	MP 2W M	11-2679
FREIGHTLINER	N.O.	174	260	1/4"Fem	w/HARNESS	WP 2W F	11-0615
BERGSTROM	N.O.	180	260	M10 Fem	w/HARNESS	BARE	11-2063
BERGSTROM	N.O.	210	260	1/4"Fem	w/HARNESS	BARE	11-2030
BERGSTROM	N.O.	210	260	M10 Fem	w/HARNESS	BARE	11-2060
BERGSTROM	N.O.	210	260	M10 Fem	-	SCREW MT	11-2067
FREIGHTLINER	N.O.	210	300	1/4"Fem	w/HARNESS	WP 2W F	11-0611
BERGSTROM	N.O.	210	300	1/4"Fem	w/HARNESS	BARE	11-2017
FREIGHTLINER	N.O.	250	300	M10 Fem	w/HARNESS	WP 2W M	11-0619
PETERBILT	N.O.	210	340	1/4"Fem	w/HARNESS	WP 2W M	11-1406
NAVISTAR	N.O.	205	375	M10 Fem	-	2 PIN	11-0820
BERGSTROM	N.O.	250	375	1/4"Fem	w/HARNESS	MxF SPADE	11-2016
RED DOT	N.O.	250	375	1/4"Fem	w/HARNESS	WP 2F	11-2661
FORD	-	-	-	M10 Fem	-	2 PIN	11-0436
FORD	-	-	-	M10 Fem	-	-	11-0438
LOW PRESSURE SWITCHES							
APPLICATION	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	TERMINAL	PART NO.
BUS	N.C.	20	4	M10 Fem	w/HARNESS	BARE	11-3027
BERGSTROM	N.C.	30	7	1/4" Fem	w/HARNESS	MxF SPADE	11-2018
NAVISTAR	N.C.	27	3	1/4" Fem	w/HARNESS	MP 2W M	11-0821
KENWORTH	N.C.	30	13	M12 Fem	-	2 PIN	11-1000
NAVISTAR	N.C.	30	15	1/4" Fem	w/HARNESS	MxF SPADE	11-0818
NAVISTAR	N.C.	35	5	M12 Fem	-	2 PIN	11-0819
PETERBILT	N.C.	40	30	1/4" Fem	w/HARNESS	WP 2T	11-1407
RED DOT	N.O.	7	28	M10 fem	w/HARNESS	BARE	11-2621
BUS	N.O.	10	30	1/4" Fem	w/HARNESS	BARE	11-3020
BERGSTROM	N.O.	6	34	1/4" Fem	-	SCREW MT	11-2014
BERGSTROM	N.O.	6	34	M10 Fem	-	SCREW MT	11-2015
BERGSTROM	N.O.	6	34	1/4" Fem	w/HARNESS	MxF SPADE	11-2028
BERGSTROM	N.O.	6	34	M10 Fem	w/HARNESS	MxF SPADE	11-2058
BERGSTROM	N.O.	12	34	1/4" Fem	w/HARNESS	BARE	11-2013
BERGSTROM	N.O.	25	34	1/4" Fem	w/HARNESS	MxF SPADE	11-2029
BERGSTROM	N.O.	26	34	M10 Fem	w/HARNESS	PLUG MxF	11-2066
PETERBILT	N.O.	15	35	1/4" Fem	w/HARNESS	1 MB 1F	11-1405
RED DOT	N.O.	15	35	1/4" Fem	w/HARNESS	WP 2W M	11-2668
RED DOT	N.O.	15	35	7/16"	w/HARNESS	WP 2WM	call
UNIVERSAL	N.O.	25	35	1/4" Male	-	2 SPADE	11-3010
RED DOT	N.O.	10	42	1/4" Fem	w/HARNESS	BARE	11-2622
RED DOT	N.O.	32	42	1/4" Fem	w/HARNESS	WP 2M	11-2653
RED DOT	N.O.	32	42	M10 Fem	w/HARNESS	WP 2W M	11-2674
GMC	N.O.	25	45	M12 Fem	-	2 PIN	11-0258
RED DOT	N.O.	23	47	M12 Fem	-	2 PIN	11-2655
RED DOT	N.O.	25	50	-	w/HARNESS	MP 2W M	call
KENWORTH	N.O.	-	-	M12 Fem	GREEN	2 PIN	11-1016
GMC	N.O.	-	-	M12 Fem	-	2 PIN	11-0287
FORD	N.O.	-	-	M12 Fem	-	2 PIN	11-0418
SPRINTER	-	-	-	Male	-	3 Term	11-0700
SPRINTER	-	-	-	Male	-	3 Term	11-0701
(continued)							



PRESSURE SWITCHES (continued)




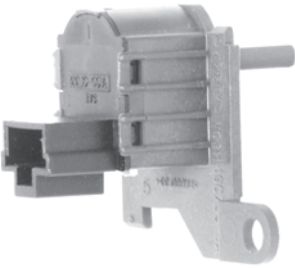





TRINARY SWITCHES							N.C. = Normally Closed	N.O. = Normally Open
MANUFACTURER	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	PART NO.		
FORD	-	-	-	M10 Fem	NONE	11-0416		
RED DOT	N.O.	22-325	40-230	1/4" Fem	NONE	11-2624		
RED DOT	N.O.	22-325	40-230	1/4" Male	NONE	11-2625		
RED DOT	N.C.	22-325	40-230	1/4" Fem	NONE	11-2627		
RED DOT	N.C.	22-325	40-230	1/4" Male	NONE	11-2628		
RED DOT	N.O.	22-325	40-230	1/4" Fem	w/HARNESS	11-2633		

APADS PRESSURE SWITCHES						
APPLICATION	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	PART NO.
VOLVO	N.C.	275	235	M10 Fem	w/HARNESS	11-1617
VOLVO	N.C.	275	235	1/4" Fem	w/HARNESS	11-1629
UNIVERSAL	N.C.	275	235	1/4" Fem	w/HARNESS	11-3228
IHC	N.C.	300	260	M10 Fem	w/HARNESS	11-0832
UNIVERSAL	N.C.	300	260	M10 Fem	w/HARNESS	11-2662
UNIVERSAL	N.C.	300	265	M10 Fem	w/HARNESS	11-3227
UNIVERSAL	N.C.	310	200	1/4" Fem	w/HARNESS	11-3231
VOLVO	N.C.	325	229	M10 Fem	w/HARNESS	11-1604
UNIVERSAL	N.C.	325	275	M10 Fem	w/HARNESS	11-3232
VOLVO	N.C.	18	10	1/4" Fem	w/HARNESS	11-1628
IHC	N.C.	34	10	M12 Fem	w/HARNESS	11-0831
UNIVERSAL	N.C.	34	10	M12 Fem	w/HARNESS	11-2663
UNIVERSAL	N.O.	34	10	M12 Fem	w/HARNESS	11-3229
VOLVO	N.O.	40	28	M12 Fem	w/HARNESS	11-1609





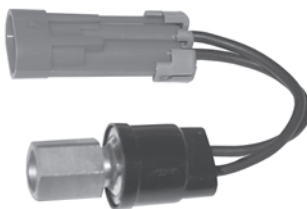
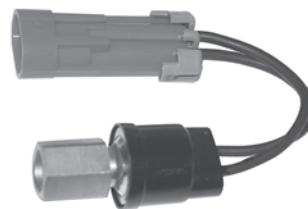










PRESSURE SWITCH IDENTIFICATION CHART (FACTORY NO.)

ID#	Part No.	ID#	Part No.	ID#	Part No.	ID#	Part No.
20PS001KA300K228K	11-2620	20PS39-16	11-1402	20PS309-9	11-2058	3948749-040NO-119	11-1609
20PS001KW028D007C	11-2621	20PS39-23	11-3012	20PS309-11	11-2060	8025565-034NO-179	11-1610
20PS027MA260K210K	11-2030	20PS39-24	11-2622	20PS310-7	11-2061	8040082-275NC-2600	11-2665
20PS028MB260K210K	11-0812	20PS39-25	11-2654	20PS310-5	11-2062	8040088-300NC-4400	11-2664
20PS029MB030E007C	11-2018	20PS39-26	11-2653	20PS309-8	11-2063	8040135-300NC-4400	11-2662
20PS030MB300K200K	11-2027	20PS39-36	11-0611	20PS309-23	11-2066	8040136-034NC-4400	11-2663
20PS034MA375K250R	11-2016	20PS39-37	11-0611	20PS332-1	11-1002	8040177-300NC-157	11-0832
20PS059MB300K210K	11-0813	20PS39-38	11-2642	40PS8-1	11-0824	8040178-034NC-348	11-0831
20PS125MA034D006B	11-2028	20PS39-53	11-0615	40PS15-1	11-0617	IMR2450-034NO-306	11-1213
20PS127MA034D025G	11-2029	20PS40-1	11-0816	40PS15-3	11-0829	PM-516K2-034NOA	11-1216
20PS129MB350K250K	11-3012	20PS40-2	11-0817	40PS17-1	11-1002	PM-516N2-034	11-1213
20PS131MA260K180K	11-2023	20PS40-3	11-0821	41PS5-1	11-0619	PM-635M2-325NCA	11-1604
20PS39-1	11-0611	20PS40-7	11-0618	41PS11-1	11-0828	PM-637M2-324NOA	11-1609
20PS39-4	11-2642	20PS40-11	11-1406	41PS11-4	11-0827	PM-638M2-1034	11-1610
20PS39-10	11-1405	20PS40-20	11-2652	1622647C1-205NC-432	11-0822	PM-516K2-034NOA	11-1216
20PS39-11	11-0615	20PS134-5	11-0818	3521730C1-275NC-118	11-0830	PM-546R2-275NCA	11-3228
20PS39-15	11-1407	20PS224-1	11-2012	3948747-325NC-268	11-1604	PS-80KI024B350-250	11-3021

Pressure Switches				
				
11-0213 Accumulator Pressure Cycling Switch (R12) Normally Open. Female Thread 1/4" SAE Cycles Clutch Off at approx. 25 p.s.i., On at approx. 46 p.s.i. CHEV & GMC Brigadier & Bruin O.E. 3041409, 3041596	11-0215 Black w/Yellow Band Compressor Pressure Cycling Switch (R12) M12 thread. 2 Pin, NO CHEV/GMC O.E. 52457854	11-0216 Black w/Yellow Band Compressor Pressure Cycling Switch (R12) M12 thread, 2 Pin, NO CHEV/GMC O.E. 52457853	11-0219 BEIGE Accumulator Pressure Switch (R134a) 3/16" thread, 2 Pin, NO CHEV/GMC O.E. 12546085, 15683829, 15765001	
				
11-0220 BLACK A/C Comp. Pressure Cycling Switch (R134a) Low press Normally Open. Open: 30-32psi, Close: 38-40psi M12 Metric Female, 2 Pin CHEV/GMC 5466358	11-0222 GREEN A/C Comp. Refrigerant Press Switch (R134a) Normally closed. Open: 350psi, Close: 250psi CHEV/GMC O.E. 15966454; 15-2874 M10 Male thread, 2 Pin	11-0223 A/C Comp. High Pressure Cut-Off Switch Assy. CHEV/GMC O.E. 15981985 M10 Metric Threads Normally Closed. Open: 430 psi, Close: 180 psi. Needed when retrofitting vehicles without O.E. H.P. cutout switch (Also see 11-3035 & 11-3036)	11-0247 BLUE High Pressure Cut-Out Switch CHEV/GMC (R134a) O.E. 2724333, 2724727, 2724863 Normally closed 257° F Blue - 2 Pin (Replaces orange)	
				
11-0250 BLACK A/C Comp. Low Pressure Cut-Out Switch (R134a) M12 thread, 2 Pin CHEV/GMC O.E. 52466101	11-0253 BLACK/YELLOW Comp. Low Press Cycling Switch (R134a) M12 thread, 2 Pin CHEV/GMC O.E. 52473139	11-0255 A/C Cycling Switch, Low Pressure (R134a) M12 thread, NO CHEV/GMC O.E. 52476843	11-0256 A/C Low Pressure Cut Off Switch (R134a) M12 thread, 2 Pin, NO CHEV/GMC O.E. 10242579	
			Photo Not Available	
11-0257 YELLOW Low Pressure Cycling Switch M12 threads, 2 Spade GM 52458249	11-0258 A/C Cycling Switch M12 threads Topkick/Kodiak 02-06	11-0259 Transducer - 3 pin GMC w/Denso Compr oe# 22634172	11-0260 PURPLE Pressure Switch - Fits 10S17C GMC Denso Compr	11-0287 A/C Cycling Switch M12 threads Silverado, Suburban 02-07 31587917

Pressure Switches			
			
11-0410 WHITE	11-0413 GOLD	11-0414	11-0416
Accumulator Press. Cycling Switch (R12) Normally Open. Female Thread 1/4" SAE Cycles Clutch Off at approx. 25 p.s.i., and On at approx. 46 p.s.i. FORD O.E. E0VY-19E561A, E35H19E561AA	A/C Clutch Cycling Switch (R134a) Normally Open. Female 12MM Cycles clutch Off at approx. 23 p.s.i., and On at approx. 46 p.s.i. FORD O.E. F3AH-19E561AA	A/C Clutch Cycling Switch, 12mm (R134a) Low Press. Normally Open. Open: 25 p.s.i., Close: 45 p.s.i. FORD O.E. F5VY-19E561A, F6RZ-19E561AA 2 Pin	Pressure Switch, M10 threads FORD L-Series O.E. F3DH19D594AA 4 terminal (Trinary)
			
11-0417	11-0418	11-0436	11-0438 GREEN
Air Temperature Control ATC Sensing Unit FORD YC3Z-19C733CA	Pressure Cycling Switch, M12 threads E-Series 2003-1999	High Pressure Switch, M10 threads Sterling F3AZ-19D594C	High Pressure 4 Terminal, M10 Threads Sterling 06-35209-000
			
11-0611	11-0615	11-0616 R12 only	11-0617
High Pressure Switch Normally Open. Open: 210 p.s.i., Close: 300 p.s.i. Female Thread 1/4" SAE Freightliner BOA80-926-00-091; 20PS39-36, 37; RD5-6430-0	High Pressure Switch Normally Open. Open: 174 p.s.i., Close: 260 p.s.i. Female Thread 1/4" SAE Freightliner A22-30930-0; 20PS 39-11	Binary Switch Normally Open. Freightliner O.E. 22-36474; uses harness #11-3100 Std. Female Thread 1/4"SAE HIGH: Off: 350 On: 227 LOW: Off: 28 On: 40	Fan Coupling Switch (R134a) Normally Closed. Open: 300 p.s.i., Close: 250 p.s.i. Metric M10 Female thread Freightliner A22-45194-1; 40PS15-1
			
11-0618	11-0619	11-0624	11-0640
High Pressure Switch Normally Closed. Open: 265 p.s.i., Close: 180 p.s.i. Female thread 1/4" SAE Freightliner A22-30930-001; 20PS40-7	High Pressure Switch (R134a) Normally Open. Open: 250 p.s.i., Close: 300 p.s.i. Metric M10x1.5 Female Freightliner A22-45194-000; 41PS5-1	Binary Switch, Normally Open. Freightliner O.E. A22-43249-000 uses harness #11-3100 Metric M10 Female Thread HIGH: Off: 350 On: 227 LOW: Off: 28 On: 40	Binary Switch, Normally Closed. M10 Fitting, uses harness #11-3162 Freightliner 22-51296-000 HIGH: Off: 455 On: 341 LOW: Off: 28 On: 40

Pressure Switches			
			
11-0655 BLACK	11-0700	11-0701	11-0812
Pressure Switch - Transducer	Pressure Switch	Pressure Switch	High Pressure Switch
M10 thrs, 3 Pin	3 Terminal	3 Pin (fits on drier)	(R12) Normally Closed.
Freightliner/Cascadia	2.7 TD (fits on drier)	2007-08 Sprinter Van	Open: 275 p.s.i., Close: 225 p.s.i.
oe# 2CP55-1; 22-60646-000	2003-06 Sprinter Van		Female Thread 1/4" SAE
			(Can be substituted for P/N 11-0813 on IHC applications if desired.)
			2OPS028MB260K210K
			
11-0813	11-0816	11-0817	11-0818
High Pressure Cycling Switch	High Pressure Switch	High Pressure Switch	Low Pressure Switch
(R12) Normally Closed.	(R12 / R134a) Normally Closed.	(R12) Normally Closed.	(R12) Normally Closed.
Open: 300 p.s.i., Close: 210 p.s.i.	Open: 310 p.s.i., Close: 210 p.s.i.	Open: 250 p.s.i., Close: 100 p.s.i.	Open: 30 p.s.i., Close: 15 p.s.i.
Female Thread 1/4" SAE	Female Thread 1/4" SAE	Female Thread 1/4" SAE	Female Thread 1/4" SAE
IHC/Navistar O.E. 480869-C1	IHC/Navistar 1651984-C1; 20PS40-1	IHC/Navistar 1651985-C1;	IHC/Navistar 547650-C1; 20PS134-5
20PS059MB300K210K	(For metric threads use 11-0829)	20PS 40-2	
			
11-0819 BLACK	11-0820 GREEN	11-0821 GREY	11-0822 BLUE
Low Pressure Switch	High Pressure Switch	Low Pressure Switch	INDEX Temp. Switch/APADS
(R134a) Normally Closed.	(R134a) Normally Open.	(R134a) Female Thread 1/4" SAE	NAVISTAR 1622647-C91; 205NC-432;
Open: 35 p.s.i., Close: 5 p.s.i.	Open: 205 p.s.i., Close: 375 p.s.i.	Open: 27 p.s.i., Close: 03 p.s.i.	8036079P
Female Metric M12 Thread	Female Metric M10 Thread	IHC/Navistar 1661273-C1; 20PS40-3	
IHC/Navistar 1676786-C1; 2 Pin	IHC/Navistar 1676787-C1; 2 Pin		
			
11-0824 RED	11-0827 GREY	11-0828 SKY BLUE	11-0829 RED
High Pressure Switch	Fan/Shutter Switch	High Pressure Switch Packard	High Pressure Switch
(R134a) Normally Closed.	(R134a) Normally Closed.	(R134a) Normally Closed.	(R134a) Normally Closed.
Open: 280 p.s.i., Close: 240 p.s.i.	Open: 250 p.s.i., Close: 100 p.s.i.	Open: 310 p.s.i., Close: 210 p.s.i.	Open: 275 p.s.i., Close: 225 p.s.i.
Female thread 1/4" SAE	Female Metric M10 Thread	Female Metric M10 Thread	Female Metric M10 Thread
NAVISTAR 2035274-C1; 40PS8-1	NAVISTAR O.E. 3521727-C1	NAVISTAR O.E. 3521728-C1	NAV. O.E. 3521729C1
(For metric threads use 11-0829)	(Replaces 11-0817 Std. Thread)	(Replaces 11-0816 Std. Thread)	(Replaces 11-0824 Std. Thread)



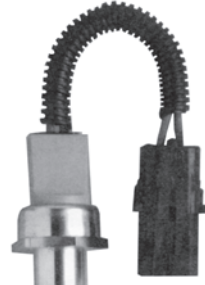

Pressure Switches			
 <p>11-0831 SKY BLUE APADS Low Pressure Switch Metric M12 threads NAVISTAR O.E. 2501257-C1; 804178-034NC348; 8040178P</p>	 <p>11-0832 SKY BLUE APADS High Pressure Switch Metric M10 threads NAVISTAR O.E. 2501256-C1 804177-300NC157; 8040177P</p>	 <p>11-0834 Freon Sensor Navistar 3548043-C1</p>	 <p>11-0836 BROWN Pressure Switch - Transducer M10 threds, 3 Pin International 2006-2001 4000, 7000, 8000 Series International 3546241C1</p>
 <p>11-1000 Low Pressure Switch, Metric M12 harness #11-3162, 2 pin, NC Opens: 30 p.s.i., Closes: 13 p.s.i. KENWORTH O.E. 650446, F27-1002 (aftermarket style)</p>	 <p>11-1001 High Pressure Switch, Metric M10 harness #11-3162, 2 pin, NC Opens: 355 p.s.i., Closes: 250 p.s.i. KENWORTH O.E. 650697 (aftermarket style)</p>	 <p>11-1002 RED High Pressure Switch, M10 (R134a) Normally Closed. Opens: 285 p.s.i., Closes: 240 p.s.i. KENWORTH O.E. K301-382, K301-401, 40PS17-1</p>	 <p>11-1003 RED APADS High Pressure Switch, M10 285 p.s.i., Normally Closed. PACCAR O.E. 650436; 8040186P</p>
 <p>11-1015 BROWN Binary Switch, M10, 2 pin harness #11-3162 Kenworth/Peterbilt K301-370-1, 79PSD4-1</p>	 <p>11-1016 Low Pressure Switch, 2 pin harness #11-3162 Fits 12-2015A TXV oe# 2214003; B652578</p>	 <p>11-1212 Binary Switch w/Harness N.C. MACK O.E. IMR-3550M Metric Female Thread - M10 HIGH: Off: 312 On: 227 LOW: Off: 28 On: 38</p>	 <p>11-1402 High Pressure Switch (R134a) Normally Open. Opens: 190 p.s.i., Closes: 250 p.s.i. Female thread 1/4" SAE PETERBILT 18-03601; 20PS39-16</p>
 <p>11-1405 Low Pressure Switch (R12) Normally Open. Opens: 15 p.s.i., Closes: 35 p.s.i. Female Thread 1/4" SAE PETERBILT 18-03285, 20PS 39-10</p> <p>1 Male Bullet 1 Female</p>	 <p>11-1406 High Pressure Switch (R134a) Normally Open. 1/4" SAE Opens: 210 p.s.i., Closes: 340 p.s.i. PETERBILT 18-03600; 20PS40-11</p>	 <p>11-1407 Low Pressure Switch (R134a) Normally Open. 1/4" SAE Opens: 40 p.s.i., Closes: 30 p.s.i. PETERBILT 18-03599; 20PS39-15</p>	 <p>11-1409 ORANGE Fan Override Switch, 2 pin harness #11-3162 M10 Threads PETERBILT, 79PSL3-4</p>




Pressure Switches			
			
11-1604 INDEX Pressure Switch/APADS Normally Closed. M10 threads, red wires VOLVO GM O.E. 05-8025550, 3948747; 325NC229; 8040234P (Replaces 11-1223)	11-1609 INDEX Pressure Switch/APADS Normally Open. M12 threads, blue wires VOLVO GM O.E. 8025564; 3948749 PM637M2-3240; 040N0288; 8040282P	11-1617 INDEX Pressure Switch/APADS Normally Closed. 275 p.s.i., M10 threads, yellow wires VOLVO GM O.E. 3949500; INDEX 8040242P, 8040283P	11-1627 APADS Switch VOLVO O.E. 3948741; 8041114P
			
11-1628 APADS Switch VOLVO 8040223P	11-1629 High Pressure, Normally Closed. 275 p.s.i., 1/4" SAE VOLVO O.E. 3949501; INDEX 8040137P; 8040243P	11-1638 Pressure Switch Volvo oe# 20832008	11-2009 High Pressure, NC Open: 375psi, Close: 200psi 1/4" Female Flare
			
11-2012 High Pressure, 2 Spade Thrd., NC Open: 300psi, Close: 200psi 1/4" Female Flare; 20PS224-1	11-2013 Low Pressure, Normally Open Open: 12psi, Close: 34psi 1/4" Female Flare	11-2014 Low Pressure, 2 Spade Thrd., NO Open: 6psi, Close: 34psi 1/4" Female Flare	11-2016 High Pressure Switch Packard (R12) Normally Open. Opens: 250 p.s.i., Closes: 375 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404121 IHC/NAVISTAR O.E. 442182-C1 20PS034MA375K250R
			
	11-2018 Low Pressure Switch Packard (R12) Normally Closed. Open: 30 p.s.i., Close: 7 p.s.i. max. Female Thread 1/4" SAE KYSOR O.E. 404123 IHC/Navistar 442183-C1, 20PS85-8 (For metric threads use 11-2057) 20PS029MB030E007C	11-2023 Fan Override Switch (R12) Normally Open. Opens: 180 p.s.i., Close: 260 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404100 (For metric threads use 11-2063) 20PS131MA260K180K	11-2027 High Pressure Switch (R12) Normally Closed. Opens: 300 p.s.i., Closes: 200 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404141 IHC/NAVISTAR O.E. 544975-C1 (For metric threads use 11-2062) 20PS030MB300K200K

Pressure Switches

 <p>11-2028 Low Press Switch (R12) Normally Open. Packard</p>	 <p>11-2029 Low Pressure Switch (R12) Normally Open. Packard</p>	 <p>11-2030 High Pressure Switch (R12) Normally Open.</p>	 <p>11-2057 High Pressure Switch (R134a) Normally Closed.</p>
<p>Opens: 6 p.s.i., Closes: 34 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404143, IHC/NAVISTAR O.E. 442183-C2 (For metric threads use 11-2058) 20PS125MA034D006B</p>	<p>Opens: 25 p.s.i., Closes: 34 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404092, 404093 20PS127MA034D025G</p>	<p>Opens: 210 p.s.i., Closes: 260 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404163 (For metric threads use 11-2060) 20PS027MA260K210K</p>	<p>Opens: 300 p.s.i., Closes: 200 p.s.i. M10 Metric Threads, Female KYSOR O.E. 404285; 404277; 20PS310-6</p>
 <p>11-2058 Packard Low Pressure Switch (R134a) Normally Open.</p>	 <p>11-2060 High Pressure Switch (R134a) Normally Open.</p>	 <p>11-2061 High Pressure Switch (R134a) Normally Closed.</p>	 <p>11-2062 Packard High Pressure Switch (R134a) Normally Closed.</p>
<p>Opens: 6 p.s.i., Closes: 34 p.s.i. M10 Metric Threads KYSOR O.E. 404279; 20PS309-9</p>	<p>Opens: 210 p.s.i., Closes: 260 p.s.i. M10 Metric Threads KYSOR O.E. 404283; 20PS309-11</p>	<p>Opens: 260 p.s.i., Closes: 210 p.s.i. M10 Metric Threads KYSOR O.E. 404284, 20PS310-7</p>	<p>Opens: 350 p.s.i., Closes: 260 p.s.i. M10 Metric Threads KYSOR O.E. 404274, 20PS310-5</p>
 <p>11-2063 High Pressure Switch (R134a) Normally Open.</p>	 <p>11-2066 Low Pressure Switch (R134a) Normally Open.</p>	 <p>11-2067 High Pressure, 2 Spade Thrd., NO</p>	 <p>11-2077 High Pressure, M10 Normally Closed: 200-300 Kysor oe# 404285</p>
<p>Opens: 180 p.s.i., Closes: 260 p.s.i. M10 Metric Threads KYSOR O.E. 404276, 20PS309-8</p>	<p>Opens at 26 p.s.i., Closes at 34 p.s.i. M10 Metric Threads KYSOR O.E. 404311, 20PS309-23</p>	<p>Open: 210psi, Close: 260psi 10MM Metric Female</p>	
 <p>11-2621 Low Pressure Switch (R134a) Normally Open.</p>	 <p>11-2622 Low Pressure Switch (R12) Normally Open.</p>	 <p>11-2642 High Pressure Switch (R12/R134a) Normally Open.</p>	 <p>11-2652 High Pressure Switch (R12/R134a) Normally Closed.</p>
<p>Opens at 7 p.s.i. Closes at 28 p.s.i. M10 Metric Threads Red Dot O.E. RD5-8598-0 20PS001KW028D007C</p>	<p>Opens: 10 p.s.i. Closes: 42 p.s.i. 1/4" SAE Threads Red Dot O.E. RD5-4833-0P</p>	<p>Opens: 170 p.s.i., Closes: 215 p.s.i. 1/4" SAE Female Thread Red Dot OE RD5-6394-0; 20PS 39-4</p>	<p>Opens: 340 p.s.i. Closes: 210 p.s.i. Female 1/4" SAE Thread Red Dot OE RD5-6833-0; 20PS40-20</p>

Pressure Switches			
			
11-2653	11-2654	11-2655 BEIGE	11-2656 PURPLE
Low Pressure Switch (R12/R134a) Normally Open. Open: 32 p.s.i., Close: 42 p.s.i. Female 1/4" SAE Thread Red Dot OE RD5-6834-0, 20PS39-26	Fan Override Switch (R12/R134a) Normally Open. Open: 190 p.s.i., Close: 250 p.s.i. Female 1/4" SAE Thread Red Dot OE RD5-6835-0, 20PS39-25	Low Pressure Switch (R134a) Normally Open. Open: 23 p.s.i. Close: 47 p.s.i. Metric M12 Thread Red Dot O.E. RD5-8219-0 Peterbilt 18-03834, P93CAA-3604-1	Binary Switch, M10 Female, N.C. Open: 330-370 p.s.i. Close: 180-240 p.s.i. Controls Fan and High Side
			
11-2657 GRAY	11-2661 Packard	11-2662	11-2663
Fan Override Switch (R134a) Normally Open. Open: 200 p.s.i., Close: 270 p.s.i. Metric M10 Threads Red Dot O.E. RD5-8218-0 Peterbilt 18-03836, P93CAA-3606-1	High pressure, Normally Open Open: 250p.s.i., Close: 375p.s.i. 1/4" SAE Female, RD5-8289-0	APADS High Pressure Switch N.C. Open :300 p.s.i., Close: 260 p.s.i. M10 threads, O.E. 8040135P (Replaces 11-1620)	APADS Low Pressure Switch N.C. Open: 34 p.s.i., Close: 10 p.s.i. M12 threads, O.E. 8040136P (Replaces 11-0638, 11-0833, 11-1624)
			
11-2674	11-2679	11-3010	11-3012 Packard
Low Pressure (on high side) Metric M10, Normally Open. Open: 32 p.s.i. Close: 42 p.s.i. O.E. 20PS309-26, RD5-9267-0	High Pressure, Normally Open. Open: 190 p.s.i. Close: 250 p.s.i. M10x1.25 Female Metripak, RD5-10096-0	Low Pressure Switch, 2 Spade (R12) On: 25 p.s.i., Off: 35 p.s.i. UNIVERSAL 1/4" SAE Prevents Compressor Damage Mounts on Drier Male Thread 3/8-24 UNF-2A Used on Red Dot, Freightliner, Kenworth, Peterbilt, & White. Red Dot O.E. RD5-6394-0 Harness 11-3100	High Pressure Switch (R12) Normally Closed. Open: 325 p.s.i., Close: 250 p.s.i. Attaches to High Side Service Port Connection. UNIVERSAL Female Thrd 1/4" SAE 20PS129MB350K250K
			 <p>TECH TIP</p> <p>Low Pressure Switches Activate on pressure drop.</p> <p>High Pressure Switches Activate on a rise in pressure.</p>
11-3019	11-3020	11-3021	
Binary Cut-out Switch (R134a) Normally Closed. (low) 28.5 p.s.i., (high) 395 p.s.i. 3/8"-24 Male Threads 1/4" SAE Switch for 11-3035 & 11-3036 Harness 11-3100	Low Pressure Switch, 1/4" SAE (R12/R134a) Normally Open. Close: 30 p.s.i., Open: 10 p.s.i. Trans Air A/C O.E. 111-025 AC Ind. O.E. 201-404	High Pressure Switch, 1/4" SAE (R12/R134a) Normally Closed. Open: 350 p.s.i., Close: 250 p.s.i. Trans Air A/C O.E. 111-001 PS80K10248350-250	

Pressure Switches			
			
11-3027	11-3210	11-3227 Deutsch	11-3228
Low Pressure Switch (R134a) Normally Closed. Open: 20 p.s.i., Close: 4 p.s.i. Metric M10 Thread CASE O.E. 122579A1	Accumulator Pressure Switch, M10 Linkbelt Excavator APA220-430-0	High Pressure, Normally Closed Open: 300 p.s.i., Close: 265p.s.i. M10 Female Schrader, R134a O.E. 8040088P (Replaces 11-2664)	APADS High Press Fan Trigger Switch Normally Closed, 1/4" SAE Open: 275, Reset: 235 O.E. 8040082P (Replaces 11-2665)
			
11-3229	11-3230	11-3231	11-3232
APADS Low Pressure Switch NO M12 threads, Close 34, Reset: 10 INDEX 8040202P	Conversion Kit VOLVO O.E. 3919193; INDEX 8041115P	APADS High Pressure Switch Normally Closed, 1/4" Flare Open: 300-325 p.s.i., Close: 200p.s.i. INDEX 8040225P	APADS High Pressure Switch, M10 Normally Closed, Set: 325, Reset: 275 INDEX 8040277P, 3948747
			
11-3233	11-3234		
APADS Temperature Switch Normally Closed, Set: 205 1/2" NPTF, INDEX 8036087P (Replaces 11-1621)	APADS Temperature Switch Normally Open, Set: 200 1/2" NPTF, 8037030P; 8167882; N83-318977		

Pressure Switches - Transducers			
			
11-0259	11-0655 BLACK	11-0836 BROWN	
Transducer, 3 pin GMC w/Denso Compressor oe# 22634172	Transducer - M10 thrds, 3 Pin Freightliner/Cascadia oe# 2CP55-1; 22-60646-000	Transducer - M10 thrds, 3 Pin International 2006-2001 4000, 7000, 8000 Series oe# 3546241C1	

Pressure Switches

BINARY and TRINARY™ Switches — R12/R134a Compatible

- Binary** Switches perform two functions;
 A. Prevents compressor operation if system has refrigerant loss or ambient temp. drops too low.
 B. Prevents compressor operation if high side pressure rises too high. Automatically resets when pressure drops to normal.

- Trinary II™** Switches are found on systems equipped with radiator shutters and/or electric or air fan clutches.
 They perform three functions:
 A. Prevents compressor operation if system has refrigerant loss, or ambient temp. drops too low.
 B. Prevents compressor operation if high side pressure rises too high. Automatically resets when pressure drops to normal.
 C. Overrides shutter/fan control to keep head pressure within normal range.

TYPE	APPLICATION	OPEN	CLOSE	THREAD	HARNESS	CONNECTOR	PART NO.
BINARY	FRTLINER	350-28	227/40	1/4" Fem	NONE	2 SPADE	11-0616
BINARY	FRTLINER	350-28	227/40	M10 Fem	NONE	2 SPADE	11-0624
BINARY	FRTLINER	28-40	341-455	M10 Fem	NONE	2 PIN	11-0640
BINARY	KENWORTH	—	—	M10 Fem	NONE	2 PIN	11-1015
BINARY	MACK	28-38	227-312	M10 Fem	w/HARNESS	MP 2W M	11-1212
BINARY	RED DOT	15-270	40-120	1/4" Fem	NONE	2 SPADE	11-2630
BINARY	RED DOT	15-270	40-120	1/4" Male	NONE	2 SPADE	11-2631
BINARY	RED DOT	15-270	40-120	1/4" Fem	w/HARNESS	2 SPADE	11-2632
BINARY	RED DOT	330-370	180-240	M10 Fem	NONE	2 PIN	11-2656
BINARY	UNIVERSAL	28.5	395	1/4" Male	NONE	2 SPADE	11-3019

TYPE	MFG.	OPEN	CLOSE	THREAD	HARNESS	FUNCTION	PART NO.
TRINARY	FORD	—	—	M10 Fem	NONE	—	11-0416
TRINARY	RED DOT	22-325	40-230	1/4" Fem	NONE	N.O.	11-2624
TRINARY	RED DOT	22-325	40-230	1/4" Male	NONE	N.O.	11-2625
TRINARY	RED DOT	22-325	40-230	1/4" Fem	NONE	N.C.	11-2627
TRINARY	RED DOT	22-325	40-230	1/4" Male	NONE	N.C.	11-2628
TRINARY	RED DOT	22-325	40-230	1/4" Fem	w/HARNESS	N.O.	11-2633

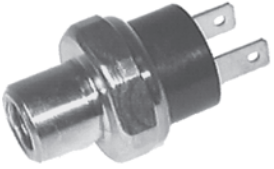










N.C. = Normally Closed N.O. = Normally Open








ILLUSTRATION "A"

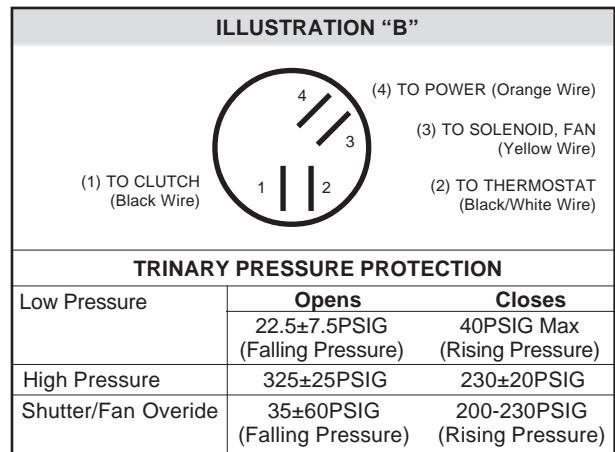
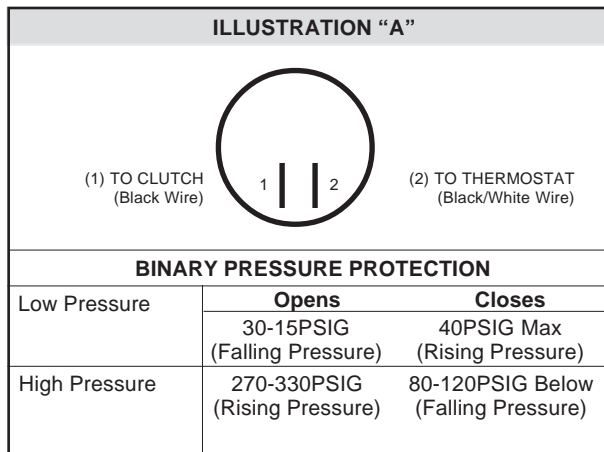
BINARY PRESSURE PROTECTION		
	Opens	Closes
Low Pressure	30-15PSIG (Falling Pressure)	40PSIG Max (Rising Pressure)
High Pressure	270-330PSIG (Rising Pressure)	80-120PSIG Below (Falling Pressure)

ILLUSTRATION "B"

TRINARY PRESSURE PROTECTION		
	Opens	Closes
Low Pressure	22.5±7.5PSIG (Falling Pressure)	40PSIG Max (Rising Pressure)
High Pressure	325±25PSIG	230±20PSIG
Shutter/Fan Override	35±60PSIG (Falling Pressure)	200-230PSIG (Rising Pressure)

Pressure Switches - BINARY			
			
11-0616 R12 only	11-0624	11-0640	11-1015 BROWN
Binary Switch, Normally Open.	Binary Switch, Normally Open.	Binary Switch, Normally Closed.	Binary Switch, M10, 2 pin
Freightliner O.E. 22-36474;	Freightliner O.E. A22-43249-000;	M10 Fitting	uses harness #11-3162
uses harness #11-3100	uses harness #11-3100	uses harness #11-3162	Kenworth/Peterbilt
Std. Female Thread 1/4"SAE	Metric M10 Female Thread	Freightliner 22-51296-000	K301-370-1, 79PSD4-1
HIGH: Off: 350 On: 227	HIGH: Off: 350 On: 227	HIGH: Off: 455 On: 341	
LOW: Off: 28 On: 40	LOW: Off: 28 On: 40	LOW: Off: 28 On: 40	
			
11-1212	11-2630 see illustration "A"	11-2631 see illustration "A"	11-2632 see illustration "A"
Binary Switch w/Harness	Binary Switch	Binary Switch	Female Binary Switch
Normally Closed.	Female Thread 1/4" SAE	3/8 - 24 Male Thread	7/16" Female Thread
MACK O.E. IMR-3550M	Red Dot O.E. RD5-4640-0;	Red Dot O.E. RD5-4646-0;	(#11-2630 switch with
Metric Female Thread - M10	71R-7050	71R-7000	2 wire harness)
HIGH: Off: 312 On: 227	HIGH: Off: 270 On: 120	HIGH: Off: 270 On: 120	HIGH: Off: 270 On: 120
LOW: Off: 28 On: 38	LOW: Off: 15 On: 40	LOW: Off: 15 On: 40	LOW: Off: 15 On: 40
			Photo Not Available
11-2636	11-2656 PURPLE	11-3019	
Binary Switch Boot	Binary Switch, Normally Closed.	Binary Cut-out Switch	
(Used with 11-2630 and 11-2631	uses harness #11-3162	(R134a) Normally Closed.	
Switches.)	Open: 330-370 psi	(low) 28.5 psi, (high) 395 psi	11-3028
RED DOT O.E. RD5-6860-2	Close: 180-240 psi	3/8"-24 Male Threads 1/4" SAE	Binary Switch w/Harness
2 wire harness	M10 Female	ID# GY309-23A	Caterpillar 114-5333
		Harness 11-3100	

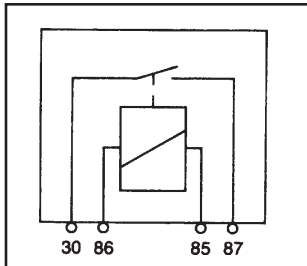
Pressure Switches - TRINARY™ Switches			
		 see illustration "B"	
11-0416	11-2624	11-2625	11-2626
Trinary Pressure Switch	Trinary II™ Switch, N.O.	Trinary II™ Switch, N.O.	Trinary II™ & Binary Harness Boot (Used in Conjunction with P/N 11-2624 & 11-2625; 11-2627-2631 Switches.)
4 terminal, M10 threads	(For Fan/Override/Shutter Circuit) Female Thread 1/4" SAE	(For Fan/Override/Shutter Circuit) 3/8 - 24 Male Thread.	
FORD L-Series O.E. F3DH19D594AA	Red Dot OE RD5-4583-0; 71R-7550	Red Dot O.E. RD5-4585-0; 71R-7500	Red Dot O.E. RD5-4621-0; 71R-4500
			
11-2627	11-2628	11-2633	
Trinary II™ Switch, N.C.	Trinary II™ Switch, N.C.	Female Trinary, N.O.	
HIGH: Open: 325 Close: 230	HIGH: Open: 325 Close: 230	HIGH: Open: 325 Close: 230	
LOW: Open: 22 Close: 40	LOW: Open: 22 Close: 40	LOW: Open: 22 Close: 40	
(For Fan/Override/Shutter Circuit) Female Thread 1/4" SAE	(For Fan/Override/Shutter Circuit) Male Thread 3/8 - 24	Fan Override: Normally Open	
Red Dot O.E. RD5-4625-0; 71R-7650	Red Dot O.E. RD5-4620-0; 71R-7600	LOW: Open: 210 Close: 260	
		7/16" female thread	
		4 wire harness, K301-355	



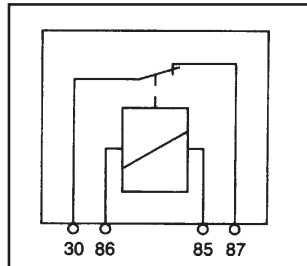
Relays

Relays are basically remote control switches operated by an electro-magnetically produced force which opens or closes the relay's contacts through which the main power current flows. (See Illustration A) Relays are normally used to provide minimum resistance on leads between a power source and consumer (motor, clutch coil, lamp, etc.). In order to keep resistance (which results in voltage drop) to a minimum, wire leads need to be as short as possible and have a sufficient cross-section diameter/gauge size. The inclusion of a relay means that the **power current** can be routed directly from power source to consumer, and that the cable section can be correspondingly large. The weaker **control current** between the relay and control switch means that even small cable sections produce negligible voltage drop (See Illustration B). There are 3 types of relays, normally open, normally closed and the change-over type, as shown below. Relays are available in 12 and 24v.

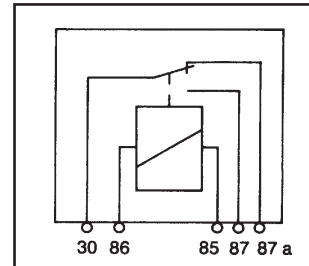
1. Normally-open relay:



2. Normally-closed relay:



3. Change-over relay:



1. A normally open relay is used to **close** the electrical circuit between power source and consumer (the consumer is **switched on**). These type of relays are operated by means of switches, impulse generators, or control devices.
2. In practice, the normally closed function is performed by the change-over relay. A normally closed relay is used to **break** the circuit between power supply and consumer (the consumer is **switched off**). One application would be to use this type of relay in conjunction with starting a vehicle to reduce load on the battery.
3. The change-over relay **changes the current path** from one electrical consumer to another. The relay is operated by a dash control switch. A typical application would be used in a compressor clutch/condenser fan circuit. Change-over relays can be used as normally open, normally closed, or change-over type relays.

Eliminating harmful voltage spikes can be accomplished by using relays supplied with resistors and diodes. Voltage spikes from 300v to 500v can momentarily occur when a relay is switched off. Sensitive electronic components can be damaged or malfunction if these spikes reach the vehicle electrical network without suppression. A relay with a resistor (Illust. C) reduces these voltage spikes to less than 100v. A relay with a diode (Illust. D) eliminates them completely. The correct polarity of the connections to be made can be found on the relay itself.

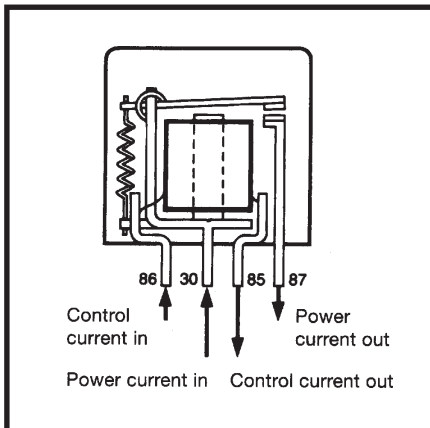


ILLUSTRATION A

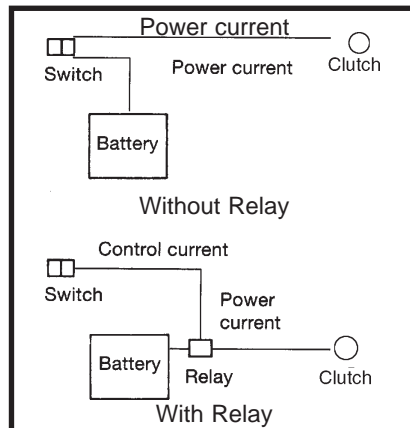


ILLUSTRATION B

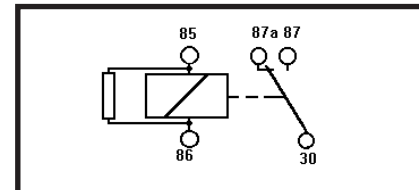


ILLUSTRATION C

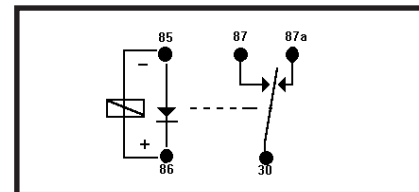




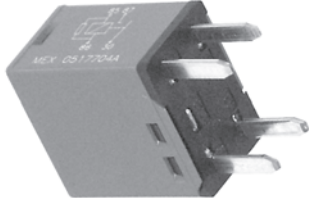



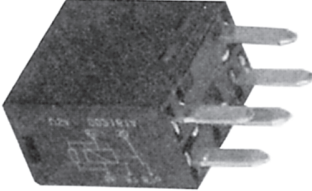
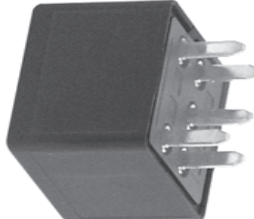
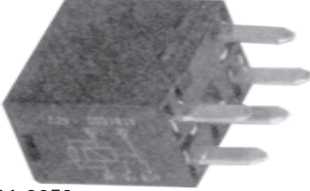




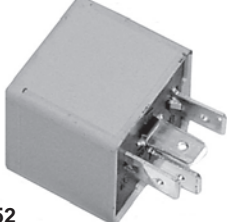

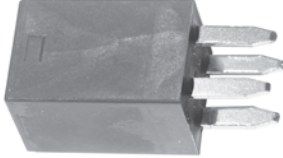
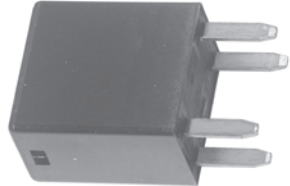
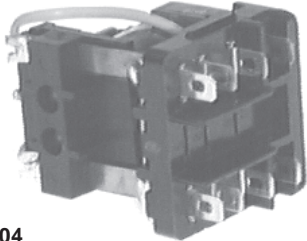
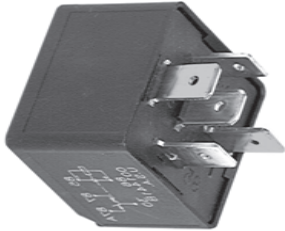
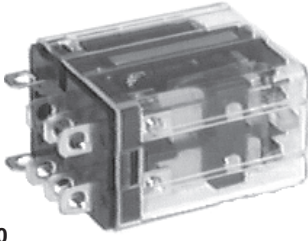
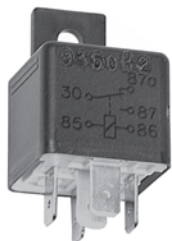
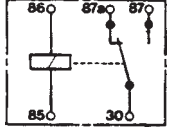

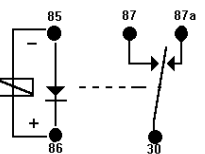
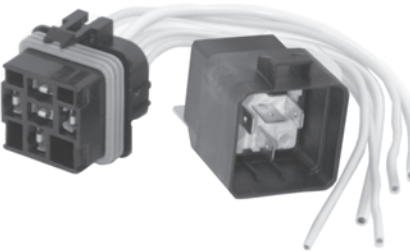
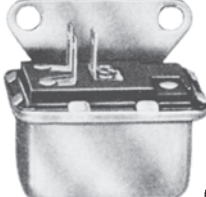
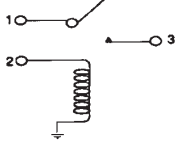

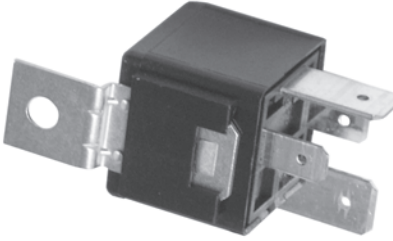
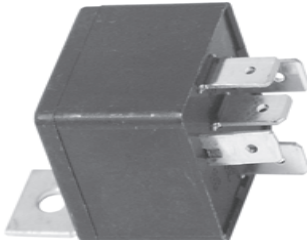


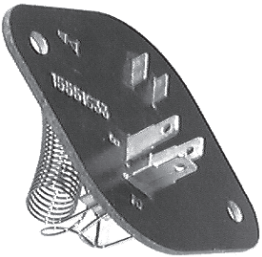

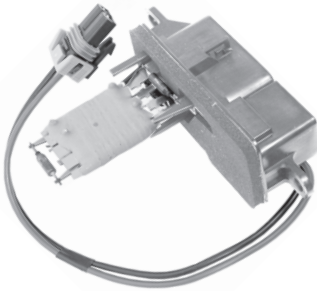

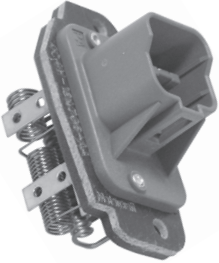
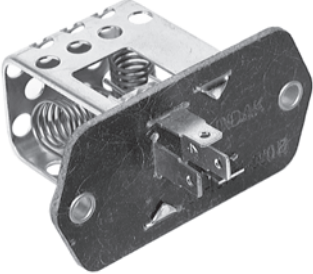
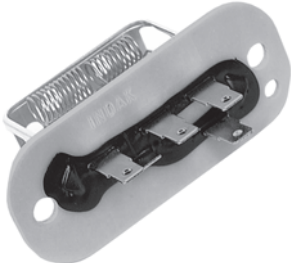



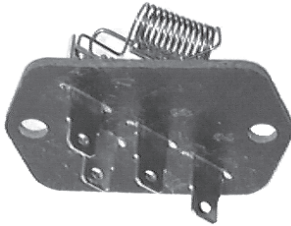
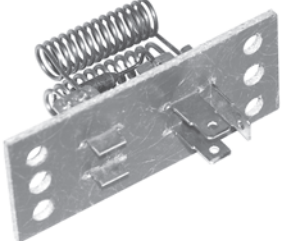


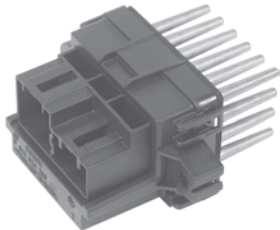
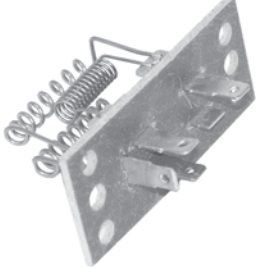
ILLUSTRATION D

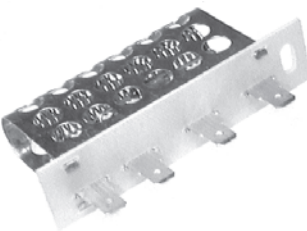
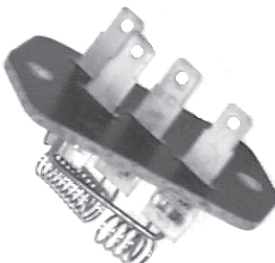


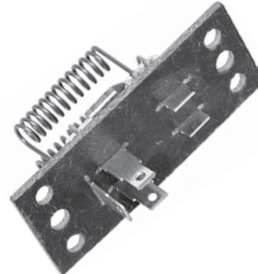
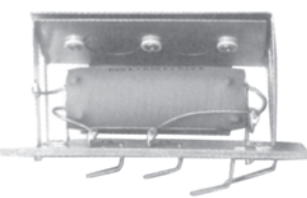

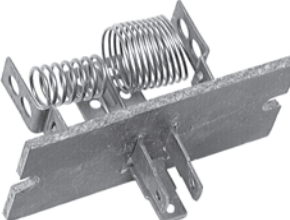



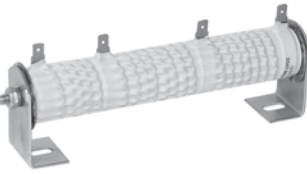
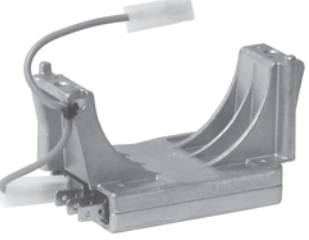

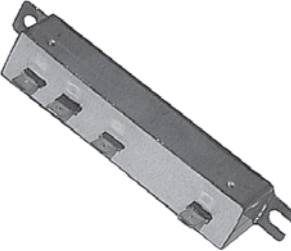
Truck Air Parts supplies relays for both OEM applications and add-on/universal type installations. When installing a universal or add-on relay to an electrical circuit, always check the relay's configuration beforehand to insure the proper relay is used for the application.

Relays						
 <p>11-0201 Blower Relay, 5 Terminal CHEV/GMC/UNIVERSAL O.E. 1115858 3989214</p>	 <p>11-0202 A/C Control/Fan Relay CHEV/GMC O.E. 14089936; 5 Terminal</p>	 <p>11-0281 Blower Relay, 5 Terminal CHEV/GMC O.E. 15670651</p>	 <p>11-0284 Comp./Fan Control; 30 amp w/Resistor, 5 pin, VF2835F14 CHEV/GMC O.E. 12077864, 12193601</p>	 <p>11-0285 Relay, grey (rectangle) Topkick, Klodiak 4 Terminal</p>	 <p>11-0437 Freightliner M2, 70 amp Sterling F5RZ-14089CB 4 Terminal</p>	 <p>11-0600 Blower Relay, 4 Terminal IHC/NAVISTAR O.E. 452187-C1, 437882-C1</p>
 <p>11-0601 Blower Relay - Freightliner 680-545-00-05, VFM15-F41 P/B 12135084, VFM-15-F41 5 Terminal, 20/10 amp; SPDT</p>	 <p>11-0602 Freightliner C112, C120 VF2815F24S01 5 Terminal, 20/10 amp; SPDT</p>	 <p>11-0603 Freightliner C112, C120 VF2815F14S01 SPDT 5 Terminal, 12v, 10/20 amp</p>	 <p>11-0653 Relay, 35/20 amp: SPDT Freightliner 23-13265-000; VF28-95F74-C05 5 Terminal</p>			
 <p>11-0712 Cooling Fan Relay for single fan 2007-08 Sprinter Van oe# 88098-32</p>	 <p>11-0713 Cooling Fan Relay for dual fan 2007-08 Sprinter Van oe# 68013674AA</p>	 <p>11-0850 Blower Relay IHC/NAVISTAR, 5 Terminal O.E. 447186-C1</p>	 <p>11-0851 Blower Relay w/ Resistor IHC/NAVISTAR, 4 Terminal O.E. 1661657-C1 (uses 11-3107 connector)</p>			
 <p>11-0852 A/C Relay, green NAVISTAR O.E. 2503522-C1 VF4-12F21-Z02 4 Terminal 30/40 amp</p>	 <p>11-0862 Relay - 5 Terminal; 35/20 amp NAVISTAR O.E. 3519350C9</p>	 <p>11-0863 Relay, 12 volt, 4 Pin NAVISTAR PROSTAR 3600330-C1, 303-1AH-C-R1</p>	 <p>11-0864 Relay, 12 volt, 4 Pin, 35 amp NAVISTAR PROSTAR 3600329-C1, 301-1A-C-R-R1</p>			

Relays

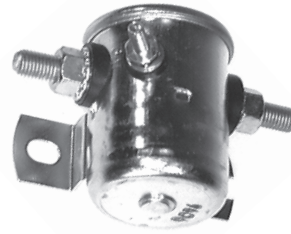
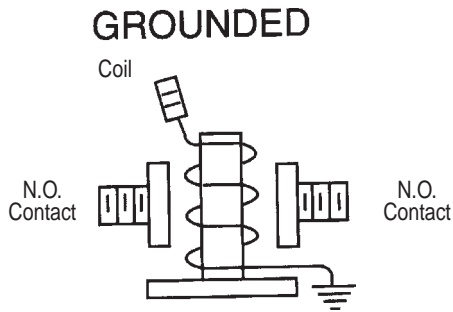
 <p>11-1404 Twin Temperature Relay KYSOR & RED DOT SYSTEMS 8 Terminal, 12 volt</p>	 <p>11-1650 VOLVO GM O.E. 3946682, VF4-15F11-501 5 Terminal w/Diode, 40/30 amp, 12 volt</p>	 <p>11-2660 Relay - 12 volt RED DOT O.E. RD5-5027-1; FRL-263 8 Terminal</p>
  <p>Replaces Bosch P/N's: 0332-204-125/150 (12 volt) 0332-204-101/151 (12 volt) 0332-204-203 (24 volt) Single Pole, Double Throw 5 Terminal, w/o diode</p> <p>BOSCH TYPE / UNIVERSAL 11-3002 Relay - 12 volt 30/40 amp 11-3004 Relay - 24 volt 15/20 amp (11-3102 harness)</p>	  <p>RED DOT SYSTEMS / UNIVERSAL 11-3005 12 volt w/Diode 30/40 amp 11-3006 24 volt w/Diode 15/20 amp RED DOT SYSTEMS/UNIVERSAL P/B VF4-65F11-SO5-(12V) Weather Seal 5 Terminal, SPDT (uses 11-3123 conn.)</p>	 <p>11-3007 12 volt - w/Pigtail 30/40 amp 11-3009 24 volt - w/Pigtail 15/20 amp RED DOT A/C RELAY w/o Diode, SPDT 5 Terminal with 11-3123 harness Weatherproof Seal, 5 wire harness</p>
  <p>UNIVERSAL 11-3008 Blower Relay - 12volt Universal 3 Terminal Relay</p>	 <p>11-3037 12volt - w/o Diode 30/40 amp 11-3039 24volt - w/o Diode 15/20 amp RED DOT A/C VF4-65F11-12V, VF4A-65H11-24V (uses 11-3123 conn.) 5 Terminal, Weather Seal</p>	 <p>11-3040 Relay, 70 Amp, w/diode Carrier/Transair 10-00328-00; 112029 4 Terminal (2 large, 2 small), SPST (uses 11-3164 harness)</p>
 <p>11-3041 Relay, 40/50 amp, w/Diode 5 Terminal, SPDT Carrier/Transair 201-806; 112007; 112008 (uses 11-3165 connector)</p>		

Resistors			
			
11-0237 Blower Resistor 3 Speed. 3 Terminal CHEV/GMC O.E. 15551633	11-0239 Blower Resistor CHEV/GMC O.E. 15039098	11-0240 Resistor Che/GMC 52463898	11-0288 Blower Mtr Resistor 2003-07 GMC C4500-5500
			
11-0435 Resistor, 4 terminal Freightliner/Sterling 4C4H19A-706AA	11-0612 Blower Resistor 3 Speed. 4 Terminal w/Cage Freightliner O.E. 06-15104-00	11-0613 Blower Resistor 4 Speed. 4 Terminal w/Cage Freightliner BOA80-926-00-079, RDH-RD5-6450-0	11-0626 Blower Resistor Circuit Board 3 Speed. 4 Terminal Freightliner BOA80-926-00-149
			
11-0705 Resistor 4 Terminal 2003-06 Sprinter Van 2.7TD w/ATC	11-0706 Resistor 4 Terminal 2007-08 Sprinter Van w/ATC	11-0804 Blower Resistor 4 Speed 4 Terminal IHC/NAVISTAR 506552-C1	11-0805 Blower Resistor 3 Terminal NAVISTAR O.E. 2500918C1
			
11-0806 Resistor 3 Speed 5 Terminal	11-0835 Resistor 5 Terminal International O.E. 3562102-C1	11-0837 LPM Module/Resistor 12 volt, 4 spade, 3 pin NAVISTAR PROSTAR O.E. 3626414-C1, K2675	11-1004 Blower Resistor 4 Speed 4 Terminal Kenworth, International O.E. 650475, 2503727C1

Resistors			
			
11-1208 Blower Resistor 4 Speed. 4 Terminal MACK O.E. 4103-5000819133, 6152-DA4008	11-1209 Blower Resistor 4 Speed. 4 Terminal MACK O.E 3230-220276	11-1211 Resistor Circuit Board MACK 7787-650668	11-1408P Blower Resistor 4 Terminal, 12 volt PETERBILT O.E.5X010040, P93CAA3100-01S
			
11-1607 Blower Resistor 3 Speed. 3 Terminal VOLVO V1115284, 60063-3201 (Uses 11-1608 resistor)	11-1608 Blower Resistor 3 Speed. 3 Terminal VOLVO GM O.E. V3134241 BERGSTROM O.E. 650179	11-1615 Blower Resistor 4 Terminal VOLVO GM O.E. 3946681	11-1639 Blower Resistor 4 Terminal VOLVO O.E. 91592, 20443826
			
11-2020 Blower Resistor 3 Speed. 3 Terminal KYSOR O.E. 220990	11-2613 Blower Resistor For 3 Speed Operation. Used in Conjunction with P.M. 2 Wire Motors. 3 terminal. RED DOT O.E. 71R-1450	11-2647 C.T.C.™ Resistor Kit Fits Trucks with Red Dot C.T.C.™ Systems RED DOT O.E. RD6-4661-1M	11-2675 Resistor 4 Terminal 12 volt Vairable Speed, Ceramic 6-1/2" lngth x 1-3/16" dia. J. DEERE Crawler/Dozer 650H
			
11-2676 Resistor 4 Terminal 24 volt Ceramic, Vairable Speed 7" lngth x 1-1/4" dia. J. DEERE Crawler/Dozer 700H	11-2677 Resistor 3 Speed 24 volt Red Dot Units	11-2685 C.T.C.™ Resistor Diode (Rotary) RED DOT O.E. RD6-4691	11-3032 Resistor Block - 1.80 OHM 4 Terminal Trans Air, A/C Industries 111-060 (Can replace 201-611; 3 term.)

Solenoid Switches / Valves

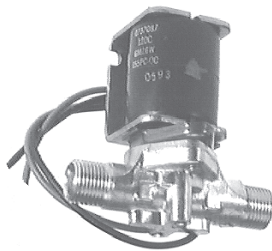
Preferred Mounting Position - Cap Down



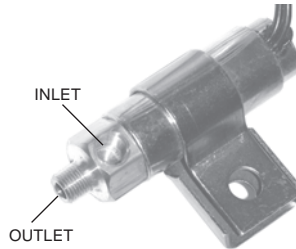
Solenoid Switches
 Continuous Operation
 5/16 - 24 UNF Threads
 Single Pole, Normally Open
 3 Terminal

11-2036
 80/150 Amp 12v
 KYSOR O.E. 221410

11-2037
 50/50 Amp 24v
 KYSOR O.E. 221522



12-3016A 12 volt
Liquid Line Applications
 #6 Female O-ring



19-2603 12 volt
Air Solenoid Valve
 Normally Open or Closed
 1/8" Thread



19-2605
Air Sensing Switch, NC
 Normally Closed, 1/8"-27 NPTF
 Open at 25 psi

19-2608
Air Sensing Switch, NO
 Normally Open, 1/8"-27 NPTF
 Close between 20-30 psi

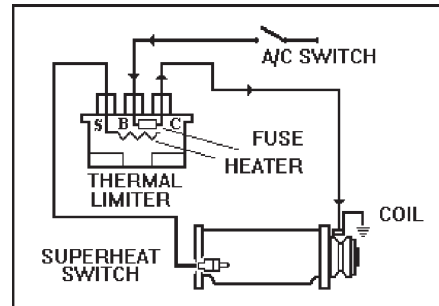
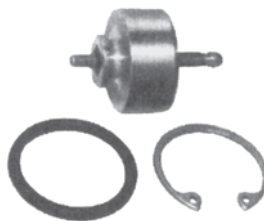


19-2630 12 volt
Air Solenoid Valve
 Normally Open or Closed
 1/8" Thread (can use 19-2603)

Superheat Switches and Thermal Limiters

Superheat Switches (and thermal limiter fuses) are found on some earlier model Chev/GMC trucks. These two components work in conjunction with one another. When the internal compressor temperature rises due to a loss of refrigerant or a restriction in the system, the superheat switch closes and allows current to travel to the thermal limiter fuse, melting the fuse, thereby preventing current from operating the compressor and clutch.

11-0210
 Superheat Switch Kit, 12 Volt
 Normally Open.
 For Rear Port on GM Compressor
 CHEV/GMC O.E. 6599306



Thermostatic Switches

The thermostatic switch controls the electrical circuit to the compressor clutch. Most thermostat switches have a capillary tube which is inserted into the fin area of the evaporator coil to sense its temperature. Matching both the original location and the depth of the tube insertion during replacement is critical to obtaining correct system performance. Some thermostats are adjustable, others are fixed in their settings. In addition, some are solid state controls (Thermisters) and are used in conjunction with a probe to sense evaporator temperature. Excessive cycling of the clutch, or no cycle at all, may indicate a malfunctioning thermostatic switch.

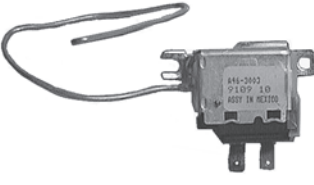
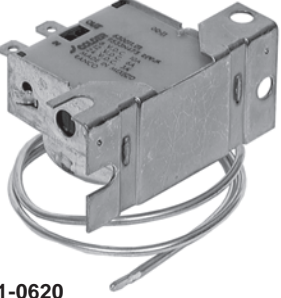
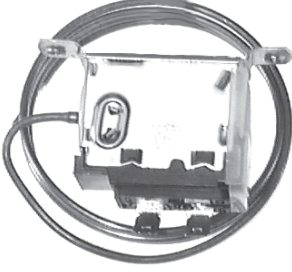
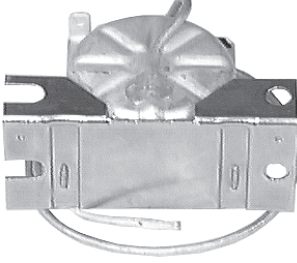
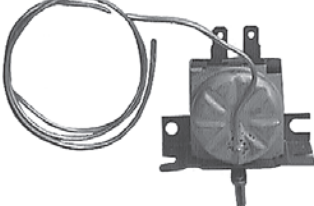

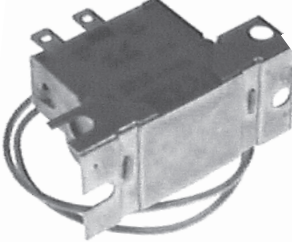

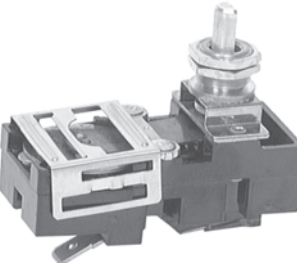



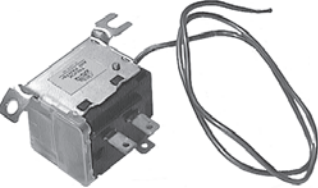

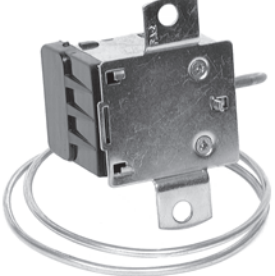

**QUICK REFERENCE CHART
THERMOSTAT SWITCH SPECIFICATIONS**


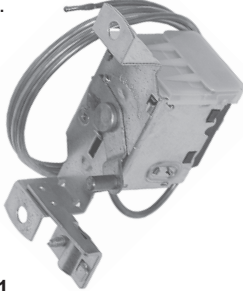
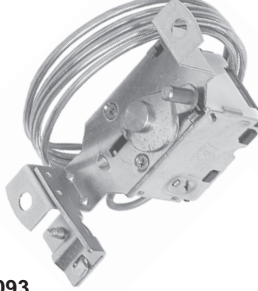
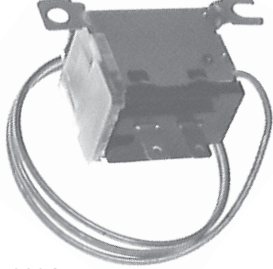

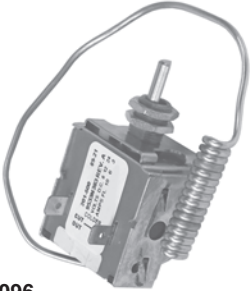

PART NO.	Type	Tube Length	Cut In Temp	Cut Out Temp	Notes	PART NO.	Type	Tube Length	Cut In Temp	Cut Out Temp	Notes
11-0275	..... Preset	..... 12"	..... 44.5°	..... 30.5°	.....	11-3081	..... Preset	..... 18"	..... 36°	..... 24°	.....
11-0620	..... Preset	..... 16"	..... 28°	..... 35°	.....	11-3082	..... Preset	..... 14"	..... 42°	..... 28°	.....
11-0860	..... Preset	..... 24"	..... 44°	..... 34°	.....	11-3084	..... Preset	..... 21"	..... 39°	..... 33°	.....
11-1050	..... Preset	..... 12"	..... 40°	..... 31°	.....	11-3085	..... Knob	..... 24"	..... 34°	..... 26°	.....
11-1603	..... Cable	..... 21"	..... 31°	..... 40°	.....	11-3086	..... Knob	..... 72"	..... 35°	..... 28°	.....
11-1605	..... Knob	..... 36"	..... 34°	..... 26°	..... Side terminals	11-3091	..... Cable	..... 30"	..... 36°	..... 28°	..... Cold towards cable
11-1613	..... Preset	..... 30"	..... 39.5°	..... 31°	.....	11-3093	..... Cable	..... 42"	..... 40°	..... 30°	..... Cold away from cable
11-1616	..... Preset	..... 30"	..... - -	..... - -	.....	11-3094	..... Preset	..... 24"	..... 39.5°	..... 31°	.....
11-2650	..... Knob	.....	.....	..... 60° to 80° Adj.	..... bunk cont.	11-3095	..... Cable	..... 22"	..... 34°	..... 26°	.....
11-3075	..... Knob	..... 48"	..... 34°	..... 26°	.....	11-3096	..... Ambient	..... 11"	..... NA	..... NA	.....
11-3076	..... Knob	..... 36"	..... 34°	..... 52°	.....	11-3097	..... Lever	..... 24"	..... NA	..... NA	.....
11-3078	..... Knob	..... 27"	..... 34°	..... 52°	.....					

THERMOSTATIC SWITCH INTERCHANGE

Ranco Part No.	Eaton/Cutler Part No.	Truck Air Part No.	Ranco Part No.	Eaton/Cutler Part No.	Truck Air Part No.	Ranco Part No.	Eaton/Cutler Part No.	Truck Air Part No.
A10-6368	..... N/A	..... 11-3091	A45-1039	..... 9533N422	..... 11-3076	A46-3137	..... N/A	..... 11-3084
A10-6490	..... 9533N395	..... 11-3085	A45-1040	..... N/A	..... 11-3091	A58-118	..... N/A	..... 11-3093
A10-6492	..... 9533N397	..... 11-3076	A45-1054	..... 9533N407	..... 11-3084	N/A	..... 9533N302	..... 11-3095
A10-6493	..... 9533N397	..... 11-3076	A45-1054-00	..... N/A	..... 11-3084	N/A	..... 9533N376	..... 11-3094
A10-6495	..... 9533N399	..... 11-3075	A45-1061	..... 9533N401	..... 11-3081	N/A	..... 9533N383	..... 11-3096
A10-6499	..... N/A	..... 11-3075	A45-1072	..... N/A	..... 11-3084	N/A	..... 9533N405	..... 11-3093
A10-6557	..... N/A	..... 11-3076	A45-1077	..... 9533N424	..... 11-3086	N/A	..... 9533N473	..... 11-0620
A10-6558	..... N/A	..... 11-3075	A45-1078	..... N/A	..... 11-3076	N/A	..... 9533N476	..... 11-1603
A10-6559	..... N/A	..... 11-3076	A45-1086	..... N/A	..... 11-3093	N/A	..... 9533N484	..... 11-1605
A10-6561	..... 9533N420	..... 11-3076	A45-1092	..... 9533N419	..... 11-3076	N/A	..... 9533N522	..... 11-1613
A10-6562	..... N/A	..... 11-3075	A45-1094	..... 9533N425	..... 11-3075	N/A	..... 9533N535	..... 11-2075
A10-6563	..... N/A	..... 11-3076	A45-1095	..... 9533N415	..... 11-3085	N/A	..... 9533N538	..... 11-1050
A10-7030	..... N/A	..... 11-3091	A45-3003	..... 9537N19	..... 11-3087	N/A	..... 9533N563	..... 11-3097
A10-7055	..... N/A	..... 11-3093 (1)	A45-3006	..... N/A	..... 11-3087	N/A	..... 9537N7	..... 11-3087
A10-7056	..... N/A	..... 11-3093	A46-3003	..... 9533N400	..... 11-0275	N/A	..... 9537N301	..... 11-3093
A10-7086	..... N/A	..... 11-0860	A46-3004	..... 9533N406	..... 11-3081			
A10-7098	..... N/A	..... 11-0861	A46-3111	..... 9533N411	..... 11-3094			
A30-1954	..... 9533N416	..... 11-3085	A46-3122	..... 9533N417	..... 11-3094			
A45-1033	..... N/A	..... 11-3084	A46-3133	..... N/A	..... 11-3084			

(1) P/N 11-3093 is not a direct replacement for trucks equipped with shutters using an O.E. 3-terminal thermostatic switch. See IHC/Navistar section for instructions for modifying systems.

Thermostatic Switches			
Listed in ascending order by part number.			
			
11-0275	11-0620	11-0860	11-1050
12" Cap. Tube - Preset	16" Cap Tube - Preset	24" Cap Tube - Preset	12" Cap. Tube - Preset
Cuts in 44.5° F, cuts out 30.5° F	Cuts in 28° F, cuts out 35° F	Cuts in 44° F, cuts out 34° F.	Cuts in at 40°, cuts out at 31°
General Motors O.E. 3039429	Freightliner O.E. BOA80-946-00-079	IHC/NAVISTAR O.E. 1664248-C1	KENWORTH O.E. RDHRD5-8938-0
			
11-1603	11-1605	11-1613	11-1616
21" Cap Tube - Cable Operated	Knob Operated - 36" Cap Tube	30" Cap Tube - Preset	30" Cap Tube - Preset
Cuts in 31° F, cuts out 40° F	Cuts in 34° F, cuts out 26° F	Cuts in 39.5° F, cuts out 31° F	30" Cap Tube - Preset
VOLVO GM O.E. V1118416	VOLVO GM	VOLVO-GM O.E. 3915962	VOLVO-GM O.E. 3094341
			
11-2650	11-3075	11-3076	11-3078
Bunk Control	Universal	Rotary 36" Cap. Tube	27" Capillary - Rotary
Adjustable 60° F – 80° F setting	48" Cap. Tube Knob Operated	Knob Operated, RD4125-36	Temp Range 34° - 52° F
Bi Metal positive on/off	Cuts in 34° F, cuts out 26° F	Cuts in 34° F, cuts out 52° F	RD4172-0
Red Dot & Kysor RD4430, 220497			
			
11-3081	11-3082	11-3084	11-3085
18" Cap. Tube - Preset	14" Cap. Tube - Preset	21" Cap. Tube - Preset	Universal
Cuts in 36° F, cuts out 24° F	Cuts in at 42° F, out at 28° F	Cuts in 39° F, cuts out 33° F	24" Cap. Tube, Knob operated
FORD F-SER. O.E. D3DH-19618A	FORD E-SER. VAN E5UZ-19618A	Kenworth, Mack, Peterbilt	Cuts in 34° F, cuts out 26° F

Thermostatic Switches			
Listed in ascending order by part number.			
			
11-3086	11-3091	11-3093	11-3094
Universal	Cable Operated	Cable Operated	Preset Switch with side mount
72" Cap. Tube, Knob operated	30" Cap. Tube	42" Cap. Tube	24" Cap. Tube
Cuts in 35° F, cuts out 28° F	Cuts in 36° F, cuts out 28° F	Cuts in 40° F, cuts out 30° F	Cuts in 39.5° F, cuts out 31° F
	IHC/NAVISTAR O.E. 426164-C2	IHC/NAVISTAR O.E. 581691-C1	Freightliner, Mack, Peterbilt
			
11-3095	11-3096	11-3097	
Cable Operated 22" Cap. Tube	Ambient Thermostat Switch	MCC Units - Lever Operated	
Cuts in 34° F, cuts out at 26° F	11" Cap. Tube	24" Cap. Tube	
VOLVO GM O.E. 60054-0001	EATON 9533N383	EATON 9533N563	
	Carrier Bus AC201-500	25-0069MCC	

Wiring Components — for Relays and Switches

(for Clutch Coil Pigtails see page 249)

Switch No.	Pigtail	Switch No.	Pigtail	Switch No.	Pigtail	Switch No.	Pigtail	Switch No.	Pigtail
11-0211	11-3102	11-0256	11-3105	11-1001	11-3162	11-2655	11-3162	11-3017	11-3100
11-0215	11-3105	11-0410	11-3103	11-1015	11-3162	11-2656	11-3162	11-3019	11-3100
11-0216	11-3105	11-0413	11-3103	11-1409	11-3162	11-2657	11-3162	11-3035	11-3100
11-0218	11-3107	11-0616	11-3100	11-2611	11-3031	11-3002	11-3102	11-3036	11-3100
11-0219	11-3105	11-0624	11-3100	11-2624	11-2626	11-3004	11-3102	11-3037	11-3123
11-0220	11-3105	11-0640	11-3162	11-2625	11-2626	11-3005	11-3123	11-3039	11-3123
11-0248	11-3105	11-0819	11-3105	11-2627	11-2626	11-3006	11-3123	11-3040	11-3164
11-0250	11-3105	11-0820	11-3105	11-2628	11-2626	11-3007	11-3123	11-3041	11-3165
11-0253	11-3105	11-0851	11-3107	11-2630	11-2636	11-3009	11-3123	11-3050	11-3031
11-0255	N/A	11-1000	11-3162	11-2631	11-2636	11-3010	11-3100		

			
11-2626 Trinary II™ & Binary Harness Boot (Used in Conjunction with P/N 11-2624 & 11-2625; 11-2627-2631 Switches.) RED DOT O.E. RD5-4621-0; 71R-4500	11-2636 Binary Switch Boot (Used with 11-2630 and 11-2631 Switches.) RED DOT O.E. RD5-6860-2 2 wire harness	11-3031 Blower Switch Harness A/C Industries O.E. 201-902 5 terminal connector (Fits 11-3050 & 11-2611 switches)	11-3100 Low Pressure Switch Harness Fits switch P/N's 11-0616, 11-3019, 11-3017 & 11-3010, 11-0624 UNIVERSAL- 2 wire (can use 11-3154)
			
11-3101 Blower Switch Harness - 5 Wire FORD O.E. D5AB-14489-C	11-3102 Bosch Mini-Relay Connector Works on 4 or 5 Prong Relays (Fits relay P/N's 11-1650, 11-3002) UNIVERSAL- 5 Wire	11-3103 FORD Press Cycling Switch Harness (Fits switch P/N 11-0410, 11-0413) 2 Wire	11-3105 CHEV/GMC, INTERNATIONAL Low Pressure Switch Pigtail - 2 Wire
			
11-3107 CHEV/GMC High Blower Relay Pigtail - 4 Wire	11-3123 CHEV/GMC A/C Cutout Relay Pigtail - 5 wire with weatherproof seal	11-3154 Low Pressure Switch Harness UNIVERSAL - 48" leads	11-3162 FREIGHTLINER, PACCAR Pigtail for 11-2655 - 2657 Switches 2 wire
			
11-3164 Pigtail for 11-3040 4 terminal relay 70 amp	11-3165 CARRIER/TRANSAIR Pigtail for 11-3041 5 terminal relay, 40/50 amp	11-3166 Blower Switch Harness Fits 11-2033, 11-2039	