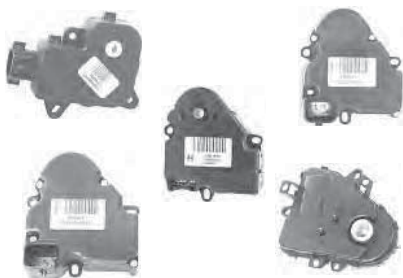


# SWITCHES (11- )

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**Actuators**

Also See 10-Series  
Heater Actuators



**11-0658**  
Actuator Service Kit for HVAC, 6 pin  
Freightliner Cascadia  
VCCT1000901D, T1000579D/A



**11-0660**  
Control Stepper Motor for HVAC, 6 pin  
Freightliner Columbia  
BOA91594, A7583003



**11-1640**  
Actuator Vent Solenoid for HVAC, 2 pin  
VOLVO 85104208,  
BOAA2095, BOA90922

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**  
Blower Switch  
CHEV/GMC O.E. 9349679  
3 Terminal



**11-0206**  
Blower Switch  
CHEV/GMC O.E. 16032480  
4 Terminal Rotary, 4 Positions










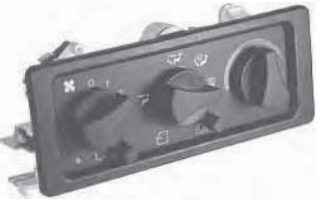








**11-0207**  
Blower Switch  
CHEV/GMC O.E. 469368  
4 Terminal, 4 Positions



















**11-0208**  
Heater Fan Switch  
CHEV/GMC O.E. 673528  
4 Terminal, 4 Positions

















**Blower/Fan/Rocker/Toggle Switches (continued)**

			
<p><b>11-0209</b> Blower Switch CHEV/GMC O.E. 16015256 4 Terminal Rotary, 4 Positions</p>	<p><b>11-0229</b> Blower Switch CHEV/GMC Topkick O.E. 16054620 5 Terminal</p>	<p><b>11-0610</b> Blower Switch Freightliner O.E. 681-545-03-22 4 Terminal, 4 Positions</p>	<p><b>11-0614</b> Blower Switch - 12 volt 3 Speed w/Wiring Harness Freightliner O.E. A06-14889-001</p>
			
<p><b>11-0631</b> Fan Switch Freightliner O.E. A22-30822-000</p>	<p><b>11-0634</b> Rocker Switch Freightliner O.E. BOA80-612-01-219; ABPN 83 322405 2 Terminal, w/2 Air Lines</p>	<p><b>11-0635</b> Blower Switch Freightliner O.E. BOA80-928-01-029 7 Terminal, w/Pigtail Harness</p>	<p><b>11-0641</b> Rocker Switch - Bunk Freightliner A06-30769-032 10 Terminal</p>
			
<p><b>11-0642</b> Rocker Switch Freightliner A06-30769-011 9 Terminal</p>	<p><b>11-0644</b> A/C Control Assembly ABPN83-322930</p>	<p><b>11-0645</b> Rocker Switch - air control Frghltlnr ABPN 83 322650</p>	<p><b>11-0651</b> Blower Switch H09080034900</p>
			
<p><b>11-0656</b> A/C Control Assembly (for dash) Freightliner Cascadia A22-60645-002</p>	<p><b>11-0659</b> Fan Switch, 3 pin 2003-07 Freightliner Columbia/Coronado 22-54716-000</p>	<p><b>11-0800</b> Blower Switch IHC Transtar O.E. 469368 4 Terminal OFF-ON-ON-ON</p>	<p><b>11-0802</b> Blower Switch IHC/NAVISTAR O.E. 472253-C1 5 Terminal OFF-ON-ON-ON</p>

















**Blower/Fan/Rocker/Toggle Switches (continued)**

			
<p><b>11-0814</b> Blower Fan/Switch IHC/NAVISTAR O.E. 501087-C1 10 Terminal, OFF-ON-ON-ON</p>	<p><b>11-0839</b> Control Panel Assy Navistar 3545543-C5</p>	<p><b>11-0841</b> Fan Switch, Aux AC Navistar Prostar 600338-C1</p>	<p><b>11-0842</b> Temp Control Switch, Aux AC Navistar Prostar 3600339-C1</p>
			
<p><b>11-1005</b> Rotary Switch - Cab Bunk KW, Peterbilt 650624BSM 6 Terminal</p>	<p><b>11-1205</b> Fan &amp; Thermostat Switch MACK O.E. 3486-7010509012 5 Terminal, w/2 wire harness</p>	<p><b>11-1206</b> Fan Switch, 40 amp 5 Speed 5 Terminal 2000-04 Mack Vision</p>	<p><b>11-1225</b> A/C Control Assembly Mack 7787-880011</p>
			
<p><b>11-1414</b> Bunk - Fan Control Peterbilt O.E. BCH56P1</p>	<p><b>11-1416</b> Rocker Switch - Fan Control SPST, 5 Terminal Peterbilt O.E. CCH33P1</p>	<p><b>11-1417</b> Blower Switch SPDT=single pole, double throw Peterbilt O.E. CCH52P1 5 Terminal, OFF-ON-ON-ON</p>	<p><b>11-1601</b> Blower Switch Volvo White/White GMC O.E. 60018-0002 5 Terminal, 3 Speed</p>
			
<p><b>11-1611</b> Rocker Switch Volvo GM w/Bergstrom O.E. V1118424 2 Terminal, NC=normally closed</p>	<p><b>11-2033</b> Blower Switch harness #11-3166; 12/24 volt SPST=single pole, single throw Kenworth O.E. K301-19, 65209P 5 Terminal, OFF-ON-ON-ON</p>	<p><b>11-2035</b> A/C On-Off Toggle Switch Peterbilt O.E. 221181KB 4 Terminals, 2 Positions</p>	<p><b>11-2039</b> Blower Fan Switch harness #11-3166; 12/24 volt Kenworth W900 w/Kysor A/C O.E. 221503KB 5 Terminal, OFF-ON-ON-ON</p>









<b>Blower/Fan/Rocker/Toggle Switches (continued)</b>			
			
<b>11-2400</b> Blower Switch FORD F100-350 O.E. D3AZ-19986A 4 Terminal, 4 Positions	<b>11-2401</b> Blower Switch - Long shaft FORD F-600-800 #D5AZ-19986A 4 Terminal, 4 Positions	<b>11-2404</b> Blower Switch 4 Terminal 4 Positions	<b>11-2406</b> Blower Switch FORD L-SERIES O.E. D0AZ-19986A 5 Terminal, OFF-ON-ON
			
<b>11-2480</b> Blower Switch, harness #11-3101 Ford F0HZ-19986A; YH507 4 Terminal, 4 Positions	<b>11-2481</b> Blower Switch Ford F150-350; Sterling F4DZ-19986A; YH588	<b>11-2482</b> Blower Switch, 4 terminal Ford F-Series 98-2007 1L2Z-19986AA; YH1670	<b>11-2483</b> Front Fan - Ford E-Series E6DZ-19986A; YH445
			
<b>11-2600</b> Toggle Switch (Black) 12/24 volt SPST=single pole, single throw RED DOT O.E. 71R-0050 3 Terminal, ON-OFF	<b>11-2601</b> Toggle Sw (chrome) 12/24 volt SPDT=single pole, double throw RED DOT O.E. 71R-0100 3 Terminal, ON-OFF-ON	<b>11-2602</b> Rocker Switch 12 volt SPDT=single pole, double throw RED DOT O.E. 71R-0500 3 Terminal, ON-OFF-ON	<b>11-2604</b> Rocker Switch 12 volt DPDT=double pole, dbl throw RED DOT O.E. 71R-0600 6 Terminal, ON-OFF-ON
			
<b>11-2605</b> Toggle Switch (Black) 12/24 volt DPDT=double pole, dbl throw RED DOT O.E. 71R-0250 5 Terminal, ON-OFF-ON	<b>11-2606</b> Rocker Switch 12 volt DPST=double pole, single throw RED DOT O.E. 71R-0650 5 Terminal, ON-ON	<b>11-2607</b> Rocker Switch 12 volt SPST=single pole, single throw RED DOT O.E. 71R-0700 2 Terminal, ON-ON	<b>11-2608</b> Safety Switch, 12/24 volt SPDT=single pole, double throw RED DOT O.E. 71R-0150 3 Terminal, ON-OFF-ON

**Blower/Fan/Rocker/Toggle Switches (continued)**










			
<p><b>11-2609</b> Safety Toggle Switch, 12/24 volt DPDT=double pole, dbl throw RED DOT O.E. 71R-0300 5 Terminal, ON-OFF-ON</p>	<p><b>11-2610</b> Blower Switch, 12/24 volt (chrome knob w/cover) DPDT=dbl pole, dbl throw RED DOT O.E. 71R-0400 4 Terminal, ON-ON-ON</p>	<p><b>11-2611</b> Blower Switch - UNIVERSAL 12 volt and 24 volt use 5 Terminal, 3 Speed, 20 amp (for short shaft use #11-3050)</p>	<p><b>11-2614</b> Rocker Sw -Illuminated, 12 volt SPDT=single pole, dbl throw RED DOT O.E. RD5-8315-0 4 Terminal, ON-OFF-ON</p>
			
<p><b>11-2615</b> Rocker Switch, 12 volt SPST=single pole, single throw RED DOT O.E. RD5-7181-0 4 Terminal, OFF-ON-ON</p>	<p><b>11-2617</b> Rocker Sw -Illuminated, 12 volt DPDT=double pole, double throw Red Dot O.E. 71R-0852 4 Terminal, OFF-ON-ON</p>	<p><b>11-2618</b> Rocker Sw-Illuminated, 24 volt DPDT=double pole, double throw RED DOT O.E. 71R-0854 4 Terminal, OFF-ON-ON</p>	<p><b>11-2644</b> Blower Toggle Switch, 12/24 volt DP=double pull RED DOT O.E. 71R-0470 10 Terminal, OFF-ON-ON-ON</p>
			
<p><b>11-2658</b> Blower Toggle Sw, 12/24 volt DPDT=dbl pole, dbl throw RED DOT O.E. RD5-5400-0 4 Terminal, ON-OFF-ON</p>	<p><b>11-2669</b> Toggle Switch 2Terminal, ON-OFF</p>	<p><b>11-2670</b> Rocker Switch-Illuminated 12 volt, Blue light SPST=single pole, single throw RED DOT O.E. 71R0512 3 Terminal, ON-OFF</p>	<p><b>11-2673</b> Rocker Switch-Illuminated 24 volt, Amber light SPST=single pole, single throw RED DOT O.E. 71R0884 4Terminal, ON-OFF</p>
			
<p><b>11-3025</b> Rocker Switch TransAir O.E. 113-019 6 Terminal, 12 volt</p>	<p><b>11-3026</b> Rocker Switch TransAir O.E. 113-030 6 Terminal, 12 volt</p>	<p><b>11-3050</b> Blower Switch - UNIVERSAL harnss #11-3031; 12/24 volt 5 Terminal, No Resistor 3 Position, 20 Amp (for long thrd shaft use #11-2611)</p>	<p><b>11-3051</b> Blower Switch - 24 volt only KYSOR O.E. 220746 Tandem5 Terminals with Resistor, 3 Positions (use w/Single Spd P.M. 2-Wire Mtrs)</p>

**Blower/Fan/Rocker/Toggle Switches (continued)**

			
<p><b>11-3052</b></p>	<p><b>11-3053</b>..... 12 volt</p>	<p><b>11-3055</b></p>	<p><b>11-3056</b></p>
<p>Blower Switch - 12 volt only</p>	<p><b>11-3054</b> .....24 volt</p>	<p>Rocker Switch, 12 volt</p>	<p>Toggle Sw (chrome), 12/24 volt</p>
<p>KYSOR O.E. 220743</p>	<p>Blower Switch - UNIVERSAL</p>	<p>DPDT=double pole, dbl throw</p>	<p>RED DOT O.E. 71R-0200</p>
<p>Tandem 5 Terminals with</p>	<p>3 Terminals with Resistor</p>	<p>RED DOT O.E. 71R-0550</p>	<p>KYSOR O.E. 220758, 221189</p>
<p>Resistor, 3 Positions</p>	<p>3 Positions</p>	<p>5 Terminal, ON-OFF-ON</p>	<p>6 Terminal, ON-OFF-ON</p>
<p>(use w/Single Spd P.M. 2-Wire Mtrs)</p>	<p>(use w/Single Spd P.M. 2-Wire Mtrs)</p>		
			
<p><b>11-3073</b></p>		<p><b>11-3500</b></p>	
<p>Fan Switch for Auxiliary Heater</p>		<p>Dash Control Panel Single Control &amp; Electric Kit</p>	
<p>2 speed, 12/24 volt, 4 Terminal</p>		<p>for Bus Add-on A/C Units</p>	
<p>(decals included)</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><b>11-0639</b> 10 Amp, 12 volt O.E. 680-545-19-66</p>	<p><b>11-0803</b> Plug-in Type 30 Amp, 12 volt</p>	<p><b>11-2042</b> 30 Amp, 12 volt</p>	<p><b>11-2645</b> 15 Amp, 12 volt</p>
<p>Non-cycling Type II IHC/NAVISTAR O.E. 500459-C1</p>	<p>Manual Push to Reset Type KYSOR O.E. 221122</p>	<p>Manual Push to Reset Type RED DOT O.E. RD5-6602-0</p>	
			
<p><b>11-2659</b> 30 Amp, 12 volt</p>	<p><b>11-3063</b> ..... 30 Amp, 12/24 volt <b>11-3064</b> ..... 40 Amp, 12/24 volt</p>	<p><b>11-3065</b> ..... 5 Amp, 12 volt <b>11-3066</b> ..... 20 Amp, 12 volt <b>11-3067</b> ..... 25 Amp, 12 volt <b>11-3068</b> ..... 35 Amp, 12 volt</p>	<p><b>11-3170</b> ..... 10 Amp, 12/24 volt <b>11-3172</b> ..... 20 Amp, 12/24 volt <b>11-3173</b> ..... 30 Amp, 12/24 volt <b>11-3175</b> ..... 50 Amp, 12/24 volt</p>
<p>Manual Push to Reset Type RED DOT O.E. RD5-5874-0</p>	<p>Automatic Reset Stud Type w/ Bracket</p>	<p>Manual Push to Reset Type</p>	<p>Carrier/TransAir Manual Push to Reset Type</p>
	<p><b>11-3170A</b> .... 10 Amp, 12/24 volt <b>11-3172A</b> .... 20 Amp, 12/24 volt <b>11-3172B</b> .... 20 Amp, 12/24 volt <b>11-3173A</b> .... 30 Amp, 12/24 volt <b>11-3175A</b> .... 50 Amp, 12/24 volt Carrier/TransAir Automatic Reset</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><b>11-0632</b> Micro Switch V7-1C27E9-283; N83-322300</p>	<p><b>11-0815</b> A/C Compressor Switch, 12v IHC/NAVISTAR 1661427-C92</p>	<p><b>11-0825</b>      3 wire A/C Compressor Switch, 12v</p>	<p><b>11-1007</b> Micro Switch BCH39P1 KW 650471; 85103428 2Terminal w/o lever</p>
			
<p><b>11-2001</b> Pushbutton 5 Terminal - Illuminated, 12v</p>	<p><b>11-2034</b> 15 Amp - 12V, 3 Terminals RD5-5308-0; VL3L3014-D9; 176298; 652100BSM</p>	<p><b>11-2619</b> A/C Switch - Illuminated RD5-6713-0 3 Terminal, 12V</p>	<p><b>11-3016</b> 8 amp, 12V , 2 Terminals SPDT=single pole, double throw V7-1C27E9-292; 118425</p>









**Control Switches / Modules / Potentiometers / Temperature Probes**

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><b>11-0627</b> Control Sensor 2 Terminal FREIGHTLINER BOA80-942-00-049</p>	 <p><b>11-0630</b> Bunk Control Switch FREIGHTLINER A06-21497-001</p>	 <p><b>11-0636</b> APADS A/C Protectin Unit Bunk Control Switch CM820 O.E. 22-42273-002; 8042138P</p>	 <p><b>11-0649</b> Temperature Probe Sensor FREIGHTLINER BOA91619 2 pin</p>
 <p><b>11-0650</b> Evaporator Temperature Probe FREIGHTLINER VCC 83000036 2 Terminal</p>	 <p><b>11-0652</b> Duct Sensor Assembly FREIGHTLINER BOAD2512 2 pin</p>	 <p><b>11-0654</b> Sensor/Discharge Air Century Class/Columbia 2 Terminal</p>	 <p><b>11-0657</b> Evaporator Probe Kit Freightliner Cascadia VCCT1000902E 2 pin</p>
 <p><b>11-0661</b> Control Temp. Sensor Freightliner Cascadia VCCT1000903U 2 pin</p>	 <p><b>11-0663</b> Control Switch, Potentiometer 12 volt, 7 terminal FREIGHTLINER N83-322951, BOA98213</p>	 <p><b>11-0707</b> Temp. Sensor for Evaporators Sprinter Van 2003-06, 2.7TD 05103937AA 2 pin</p>	 <p><b>11-0838</b> Temp. Sensor Probe, 12 volt NAVISTAR PROSTAR 3599601-C1 2 pin</p>
 <p><b>11-0840</b> Heater Constant Discharge Sensor - Aux AC Navistar Prostar 3612055-C3</p>	 <p><b>11-1010</b> Temperature Potentiometer KENWORTH O.E. 650465 4 wire (Female Connector)</p>	 <p><b>11-1014</b> Temperature Circuit Board KENWORTH O.E. 650396BSM</p>	 <p><b>11-1215</b> APADS Module MACK O.E. RD5-10771-0</p>

**Control Switches / Modules / Potentiometers / Temperature Probes (cont.)**

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><b>11-1622</b></p>	 <p><b>11-1625</b></p>	 <p><b>11-1626</b> PURPLE</p>	 <p><b>11-2647</b></p>
<p>APADS/Control Module (can use 11-3226) VOLVO O.E. 3939315; INDEX 8042108P</p>	<p>APADS/Control Module VOLVO 3099497; INDEX 8042114P</p>	<p>APADS Control Module VOLVO 20357742, 20357741 INDEX 8042152P, 8042133P</p>	<p>C.T.C.™ Resistor Kit Fits Trucks with Red Dot C.T.C.™ Systems RED DOT O.E. RD6-4661-1</p>
 <p><b>11-2683</b></p>	 <p><b>11-2685</b></p>	 <p><b>11-3225</b> White Label</p>	 <p><b>11-3226</b> White Label</p>
<p>Sleeper Control RED DOT O.E. RD5-3725-0</p>	<p>C.T.C.™ Resistor Diode (Rotary) RED DOT O.E. RD6-4691</p>	<p>APADS/Module CM813 -ECM Mack O.E. 228RD31 INDEX 8042105P</p>	<p>APADS/Module CM813 non-ECM INDEX 8042103P</p>



**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).

<b>BINARY SWITCHES</b>								N.C. = Normally Closed	N.O. = Normally Open
MANUFACTURER	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	CONNECTOR	PART NO.		
FREIGHTLINER	N.O.	350-28	227-40	1/4" Fem	NONE	2 SPADE	11-0616		
FREIGHTLINER	N.O.	350-28	227-40	M10 Fem	NONE	2 SPADE	11-0624		
FREIGHTLINER	N.C.	28-40	341-455	M10 Fem	NONE	2 PIN	11-0640		
KENWORTH	Binary	-	-	M10 Fem	NONE	2 PIN	11-1015		
MACK	N.C.	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	3/8" Male	NONE	2 SPADE	11-2631		
RED DOT	Binary	15-270	40-120	1/4" Fem	w/HARNESS	2 SPADE	11-2632		
UNIVERSAL	N.C.	28.5	395	3/8" Male	NONE	2 SPADE	11-3019		
FORD	Binary	-	-	M10 Fem	-	4 TERM	11-0416		
FORD	Binary	-	-	M10 Fem	-	4 TERM	11-0438		

<b>FAN OVERRIDE SWITCHES</b>							
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.	310	240	M10	-	2 PIN	11-1409

<b>HIGH PRESSURE SWITCHES</b>							
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	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)**

<b>HIGH PRESSURE SWITCHES (continued)</b>				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

**LOW PRESSURE SWITCHES**

APPLICATION	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	TERM.	PART NO.
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.O.	13	30	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
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

**PRESSURE SWITCHES (continued)**

















<b>TRINARY SWITCHES</b>							N.C. = Normally Closed	N.O. = Normally Open
MANUFACTURER	FUNCTION	OPEN	CLOSE	THREAD	HARNESS	PART NO.		
RED DOT	N.O.	22-325	40-230	1/4" Fem	NONE	11-2624		
RED DOT	N.O.	22-325	40-230	3/8" 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	3/8" Male	NONE	11-2628		
RED DOT	N.O.	22-325	40-230	1/4" Fem	w/HARNESS	11-2633		

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

Pressure Switches			
 <p><b>11-0213</b> Accumulator - Cycling Switch (R12) Normally Open. Female Thread 1/4" SAE Off: at approx. 25 p.s.i. On: at approx. 46 p.s.i. CHEV &amp; GMC Brigadier &amp; Bruin O.E. 3041409, 3041596</p>	 <p><b>11-0215</b> Black w/Yellow Band Compressor - Cycling Switch (R12) M12 thread. 2 Pin, NO CHEV/GMC O.E. 52457854</p>	 <p><b>11-0216</b> Black w/Yellow Band Compressor - Cycling Switch (R12) M12 thread. 2 Pin, NO CHEV/GMC O.E. 52457853</p>	 <p><b>11-0219</b> BEIGE Accumulator Pressure Switch (R134a) 3/16" thread, 2 Pin, NO CHEV/GMC O.E. 12546085, 15683829, 15765001</p>
 <p><b>11-0220</b> BLACK Cycling Switch (R134a) Low Pressure NO Open: 30-32psi / Close: 38-40psi M12 Metric Female, 2 Pin CHEV/GMC 5466358</p>	 <p><b>11-0222</b> GREEN Refrigerant Press Switch (R134a) Normally Closed. Open: 350psi, Close: 250psi CHEV/GMC #15966454; 15-2874 M10 Male thread, 2 Pin</p>	 <p><b>11-0247</b> BLUE High Pressure Cut-Out Switch CHEV/GMC (R134a) O.E. 2724333, 2724727, 2724863 Normally Closed 257° F Blue - 2 Pin (replaces orange)</p>	 <p><b>11-0250</b> BLACK A/C Comp. Low Pressure Cut-Out Switch (R134a) M12 thread, 2 Pin CHEV/GMC O.E. 52466101</p>
 <p><b>11-0253</b> BLACK/YELLOW Comp. Low Press Cycling Switch (R134a) M12 thread, 2 Pin CHEV/GMC O.E. 52473139</p>	 <p><b>11-0256</b> Low Pressure Cut Off Switch (R134a) M12 thread, 2 Pin, NO CHEV/GMC O.E. 10242579</p>	 <p><b>11-0257</b> YELLOW Low Pressure Cycling Switch M12 threads, 2 Spade GM 52458249</p>	 <p><b>11-0258</b> Cycling Switch M12 threads, 2 Pin Topkick/Kodiak 02-06 GM 1132749</p>
 <p><b>11-0259</b> Transducer - 3 Pin GMC w/Denso Compr. OE# 22634172</p>	 <p><b>11-0287</b> Cycling Switch M12 Threads Silverado, Suburban 02-07 OE# 31587917</p>	 <p><b>11-0410</b> WHITE Accumulator- Cycling Switch (R12) Normally Open. Female Thread 1/4" SAE Off: at approx. 25 p.s.i., On: at approx.46 p.s.i. FORD O.E. E0VY-19E561A, E35H19E561AA</p>	 <p><b>11-0413</b> GOLD A/C Clutch Cycling Switch (R134a) Normally Open. Female 12mm Off: at approx. 23 p.s.i., On: at approx. 46 p.s.i. FORD O.E. F3AH-19E561AA</p>

<b>Pressure Switches (continued)</b>			
			
<b>11-0414</b> A/C Clutch Cycling Switch, 12mm (R134a) Low Press. NO Open: 25 p.s.i., Close: 45 p.s.i. FORD O.E. F5VY-19E561A, F6RZ-19E561AA; 2 Pin	<b>11-0416</b> BLACK High Pressure Binary Switch 4 Terminal, M10-1.25 threads M.P. = 330-238psi H.P. = 464-237psi FORD L-Series O.E. F3DH19D594AA	<b>11-0417</b> Air Temperature Control ATC Sensing Unit FORD YC3Z-19C733CA	<b>11-0418</b> BLUE Pressure Cycling Switch, M12 E-Ser. 2003-1999; 2 Pin
			
<b>11-0436</b> High Pressure Switch, M10 Sterling F3AZ-19D594C; 2 Pin	<b>11-0438</b> GREEN High Pressure Binary Switch 4 Terminal, M10-1.25 threads M.P. = 325-270psi H.P. = 465-235psi Sterling 06-35209-000	<b>11-0611</b> High Pressure Switch, NO 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	<b>11-0615</b> High Pressure Switch, NO Open: 174 p.s.i. / Close: 260 p.s.i. Female Thread 1/4" SAE A22-30930-0; 20PS 39-11
			
<b>11-0616</b> R12 only Binary Switch Normally Open. Freightliner O.E. 22-36474; use harness #11-3100 Std. Female Thread 1/4"SAE HIGH: Off: 350 On: 227 LOW: Off: 28 On: 40	<b>11-0617</b> Fan Coupling Switch (R134a) Normally Closed. Open: 300 p.s.i. / Close: 250 p.s.i. Metric M10 Female Thread Frghtltnr A22-45194-1; 40PS15-1	<b>11-0618</b> High Pressure Switch Normally Closed. Open: 265 p.s.i. / Close: 180 p.s.i. Female thread 1/4" SAE A22-30930-001; 20PS40-7	<b>11-0619</b> High Pressure Switch (R134a) Normally Open. Open: 250 p.s.i. / Close: 300 p.s.i. Metric M10x1.5 Female A22-45194-000; 41PS5-1
			
<b>11-0624</b> Binary Switch, Normally Open. Freightliner O.E. A22-43249-000 use harness #11-3100 Metric M10 Female Thread HIGH: Off: 350 On: 227 LOW: Off: 28 On: 40	<b>11-0640</b> Binary Switch, NC M10 Ftg., use harness #11-3162 Freightliner 22-51296-000 HIGH: Off: 455 On: 341 LOW: Off: 28 On: 40	<b>11-0655</b> BLACK Pressure Switch - Transducer M10 thrds, 3 Pin Freightliner/Cascadia OE# 2CP55-1; 22-60646-000	<b>11-0700</b> Pressure Switch, 3 Terminal 2.7 TD (fits on drier) 2003-06 Sprinter Van, OE# 351028161





<b>Pressure Switches (continued)</b>			
			
<b>11-0812</b>	<b>11-0813</b>	<b>11-0816</b>	<b>11-0817</b>
High Pressure Switch	High Pressure Cycling Switch	High Pressure Switch	High Pressure Switch
(R12) Normally Closed.	(R12) Normally Closed.	(R12 / R134a) Normally Closed.	(R12) Normally Closed.
Open: 275 p.s.i. / Close: 225 p.s.i.	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.
Female Thread 1/4" SAE	Female Thread 1/4" SAE	Female Thread 1/4" SAE	Female Thread 1/4" SAE
20PS028MB260K210K	IHC/Navistar O.E. 480869-C1	(For metric threads use #11-0829)	IHC/Navistar OE# 1651985-C1;
(Can be substituted for #11-0813 on IHC applications if desired.)	20PS059MB300K210K	IHC/Navistar OE# 1651984-C1;	20PS 40-2
		20PS40-1	
			
<b>11-0818</b>	<b>11-0819</b> <b>BLACK</b>	<b>11-0820</b> <b>GREEN</b>	<b>11-0821</b> <b>GREY</b>
Low Pressure Switch	Low Pressure Switch, 2 Pin	High Pressure Switch, 2 Pin	Low Pressure Switch
(R12) Normally Closed.	(R134a) Normally Closed.	(R134a) Normally Open.	(R134a) Female Thrd 1/4" SAE
Open: 30 p.s.i., Close: 15 p.s.i.	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.
Female Thread 1/4" SAE	Female Metric M12 Thread	Female Metric M10 Thread	IHC/Navistar 1661273-C1;
IHC/Navistar OE# 547650-C1;	IHC/Navistar 1676786-C1	IHC/Navistar 1676787-C1	20PS40-3
20PS134-5			
			
<b>11-0822</b> <b>BLUE</b>	<b>11-0824</b> <b>RED</b>	<b>11-0827</b> <b>GREY</b>	<b>11-0828</b> <b>SKY BLUE Packard</b>
High Pressure Switch	High Pressure Switch	Fan/Shutter Switch	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: 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.
Female thread 1/4" SAE	Female thread 1/4" SAE	Female Metric M10 Thread	Female Metric M10 Thread
(For metric threads use #11-0829)	(For metric threads use #11-0829)	NAVISTAR O.E. 3521727-C1	NAVISTAR O.E. 3521728-C1
NAVISTAR OE# 1622647-C91;	NAVSTR 2035274-C1; 40PS8-1	(Replaces 11-0817 Std. Thread)	(Replaces 11-0816 Std. Thread)
205NC-432; 8036079P			
			
<b>11-0829</b> <b>RED</b>	<b>11-0831</b> <b>SKY BLUE</b>	<b>11-0832</b> <b>SKY BLUE</b>	<b>11-0834</b>
High Pressure Switch	APADS Low Pressure Switch	APADS High Pressure Switch	Freon Sensor
(R134a) Normally Closed.	Metric M12 Threads	Metric M10 Threads	Navistar 3548043-C1
Open: 275 p.s.i. / Close: 225 p.s.i.	NAVISTAR O.E. 2501257-C1;	NAVISTAR O.E. 2501256-C1	
Female Metric M10 Thread	804178-034NC348; 8040178P	804177-300NC157; 8040177P	
NAV. O.E. 3521729C1			
(Replaces 11-0824 Std. Thread)			

<b>Pressure Switches (continued)</b>			
			
<b>11-0836</b> BROWN	<b>11-1000</b>	<b>11-1001</b>	<b>11-1002</b> RED
Pressure Switch - Transducer	Low Press. Switch, Metric M12	High Press. Switch, Metric M10	High Pressure Switch, M10
M10 thrds, 3 Pin	harness #11-3162, 2 pin, NO	harness #11-3162, 2 pin, NC	(R134a) Normally Closed.
International 2006-2001	Opens: 13 p.s.i., Closes: 30 p.s.i.	Open: 355 p.s.i. / Close: 250 p.s.i.	Open: 285 p.s.i. / Close: 240 p.s.i.
4000, 7000, 8000 Series	KW O.E. 650446, F27-1002	KENWORTH O.E. 650697	KENWORTH O.E. K301-382,
International 3546241C1			K301-401, 40PS17-1
			
<b>11-1015</b> BROWN	<b>11-1016</b> GREEN	<b>11-1212</b>	<b>11-1402</b>
Binary Switch, M10, 2 pin	Low Pressure Sw, NO	Binary Switch w/Harness, NC	High Pressure Switch, NO
(harness #11-3162)	M12 Threads, 2 pin	MACK O.E. IMR-3550M	Open: 190 p.s.i. / Close: 250 p.s.i.
HIGH: Off: 426 On: 241	harness #11-3162	Metric Female Thread - M10	Female thread 1/4" SAE
LOW: Off: 28 On: 40	Fits exp. vlv. #12-2015A	HIGH: Off: 312 On: 227	PETERBILT 18-03601;
Kenworth/Peterbilt	oe# 2214003; B652578	LOW: Off: 28 On: 38	20PS39-16
K301-370-1; 79PSD4-1			
			
<b>11-1405</b> 1 Male Bullet 1 Female	<b>11-1406</b>	<b>11-1407</b>	<b>11-1409</b> ORANGE
Low Press. Sw., (R12) NO	High Pressure Sw., NO	Low Pressure Sw., NC	Fan Override Switch, 2 Pin, NC
Open: 15 p.s.i. / Close: 35 p.s.i.	(R134a) 1/4" SAE	(R134a) 1/4" SAE	harness #11-3162, M10 Threads
Female Thread 1/4" SAE	Open: 210 p.s.i. / Close: 340 p.s.i.	Open: 40 p.s.i. / Close: 30 p.s.i.	Open: 310 p.s.i. / Close: 240 p.s.i.
PETERBILT 18-03285;	PETERBILT 18-03600;	PETERBILT 18-03599;	PETERBILT, 79PSL3-4
20PS 39-10	20PS40-11	20PS39-15	
			
<b>11-1604</b>	<b>11-1609</b>	<b>11-1617</b>	<b>11-1628</b>
INDEX Pressure Switch/APADS	INDEX Pressure Switch/APADS	INDEX Pressure Switch/APADS	APADS Switch
Normally Closed.	Normally Open.	Normally Closed. 275 p.s.i.	VOLVO OE# 804023P
M10 Threads, Red Wires	M12 threads, blue wires	M10 Threads, Yellow Wires	
VOLVO GM O.E. 05-8025550,	VOLVO GM OE# 8025564;	VOLVO GM OE# 3949500;	
3948747; 325NC229; 8040234P	3948749; PM637M2-3240;	INDEX 8040242P, 8040283P	
(Replaces 11-1223)	040N0288; 8040282P		

<b>Pressure Switches (continued)</b>			
 <p><b>11-1629</b> High Pressure, Normally Closed. 275 p.s.i., 1/4" SAE VOLVO OE# 3949501; INDEX 8040137P; 8040243P</p>	 <p><b>11-1638</b> Pressure Sensor climate control VOLVO OE# 20832008</p>	 <p><b>11-2009</b> High Pressure, NC Open: 375psi, Close: 200psi 1/4" Female Flare</p>	 <p><b>11-2013</b> Low Pressure, Normally Open Open: 12psi, Close: 34psi 1/4" Female Flare</p>
 <p><b>11-2014</b> Low Pressure, 2 Spade, NO Open: 6psi, Close: 34psi 1/4" Female Flare</p>	 <p><b>11-2016</b> Packard High Press. Sw., (R12) NO Open: 250 p.s.i. / Close: 375 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404121 IHC/NAVISTAR O.E. 442182-C1 20PS034MA375K250R</p>	 <p><b>11-2018</b> Packard Low Press. Sw., (R12) NC Open: 30 psi / Close: 7 psi max. 1/4" SAE (For metric, use #11-2057) KYSOR O.E. 404123 IHC/Navistar 442183-C1; 20PS85-8; 20PS029MB030E007C</p>	 <p><b>11-2023</b> Fan Override Switch (R12) Normally Open. Open: 180 p.s.i. / Close: 260 p.s.i. 1/4" SAE (For metric, use #11-2063) KYSOR O.E. 404100 20PS131MA260K180K</p>
 <p><b>11-2027</b> High Pressure Switch (R12) Normally Closed. Open: 300 p.s.i. / Close: 200 p.s.i. 1/4" SAE (For metric, use #11-2062) KYSOR O.E. 404141 IHC/NAVISTAR O.E. 544975-C1 20PS030MB300K200K</p>	 <p><b>11-2028</b> Packard Low Press Switch (R12) Normally Open. Open: 6 p.s.i., Close: 34 p.s.i. 1/4" SAE (For metric, use 11-2058) KYSOR O.E. 404143 IHC/NAVISTAR O.E. 442183-C2 20PS125MA034D006B</p>	 <p><b>11-2029</b> Packard Low Pressure Switch (R12) Normally Open. Open: 25 p.s.i. / Close: 34 p.s.i. Female Thread 1/4" SAE KYSOR O.E. 404092, 404093 20PS127MA034D025G</p>	 <p><b>11-2030</b> High Pressure Switch (R12) Normally Open. Open: 210 psi / Closes: 260 psi 1/4" SAE (For metric, use 11-2060) KYSOR O.E. 404163 20PS027MA260K210K</p>
 <p><b>11-2057</b> High Pressure Switch (R134a) Normally Closed. Open: 300 p.s.i. / Close: 200 p.s.i. M10 Metric Threads, Female KYSOR O.E. 404285; 404277; 20PS310-6</p>	 <p><b>11-2058</b> Packard Low Pressure Switch (R134a) Normally Open. Open: 6 p.s.i. / Close: 34 p.s.i. M10 Metric Threads KYSOR# 404279; 20PS309-9</p>	 <p><b>11-2060</b> High Pressure Switch (R134a) Normally Open. Open: 210 p.s.i. / Close: 260 p.s.i. M10 Metric Threads KYSOR #404283; 20PS309-11</p>	 <p><b>11-2061</b> High Pressure Switch (R134a) Normally Closed. Open: 260 p.s.i. / Close: 210 p.s.i. M10 Metric Threads KYSOR # 404284, 20PS310-7</p>








<b>Pressure Switches (continued)</b>			
			
<b>11-2062</b> Packard High Pressure Switch (R134a) Normally Closed. Open: 350 p.s.i. / Close: 260 p.s.i. M10 Metric Threads KYSOR # 404274, 20PS310-5	<b>11-2063</b> High Pressure Switch (R134a) Normally Open. Open: 180 p.s.i. / Close: 260 p.s.i. M10 Metric Threads KYSOR # 404276, 20PS309-8	<b>11-2067</b> High Pressure, 2 Spade Thrd. Normally Open. Open: 210 p.s.i. / Close: 260 p.s.i. 10MM Metric Female	<b>11-2621</b> Low Pressure Switch (R134a) Normally Open. Open: 7 p.s.i. / Close: 28 p.s.i. M10 Metric Threads Red Dot O.E. RD5-8598-0 20PS001KW028D007C
			
<b>11-2622</b> Low Pressure Switch (R12) Normally Open. Open: 10 p.s.i. / Close: 42 p.s.i. 1/4" SAE Threads Red Dot O.E. RD5-4833-0P	<b>11-2642</b> High Pressure Switch (R12/R134a) Normally Open. Open: 170 p.s.i. / Close: 215 p.s.i. 1/4" SAE Female Thread RD OE RD5-6394-0; 20PS 39-4	<b>11-2652</b> High Pressure Switch (R12/R134a) Normally Closed. Open: 340 p.s.i. / Close: 210 p.s.i. Female 1/4" SAE Thread RD OE RD5-6833-0; 20PS40-20	<b>11-2653</b> Low Pressure Switch (R12/R134a) Normally Open. Open: 32 p.s.i. / Close: 42 p.s.i. Female 1/4" SAE Thread RD OE RD5-6834-0, 20PS39-26
			
<b>11-2654</b> Fan Override Switch (R12/R134a) Normally Open. Open: 190 p.s.i. / Close: 250 p.s.i. Female 1/4" SAE Thread RD OE RD5-6835-0, 20PS39-25	<b>11-2655</b> BEIGE 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 PETE 18-03834, 93CAA-3604-1	<b>11-2656</b> PURPLE High Press Switch, M10 Female 2 Pin, Normally Closed. Open: 330-370 p.s.i. Close: 180-240 p.s.i. (uses harness #11-3162)	<b>11-2657</b> GRAY 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 PETE 18-03836, P93CAA-3606-1
			
<b>11-2661</b> Packard High pressure, Normally Open Open: 250p.s.i., Close: 375p.s.i. 1/4" SAE Female, RD5-8289-0	<b>11-2662</b> APADS High Pressure Switch Normally Closed. Open: 300 p.s.i. / Close: 260 p.s.i. M10 threads, O.E. 8040135P (Replaces 11-1620)	<b>11-2663</b> APADS Low Pressure Switch Normally Closed. Open: 34 p.s.i. / Close: 10 p.s.i. M12 threads, O.E. 8040136P (Replaces 11-0638, 11-0833, 11-1624)	<b>11-2668</b> Low Pressure, NO On: 15 psi, Off: 35 psi 1/4" Female Flare RD5-6395-1



<b>Pressure Switches (continued)</b>			
			
<b>11-2674</b>	<b>11-2679</b>	<b>11-3010</b>	<b>11-3012</b> Packard
Low Press (on high side)	High Pressure, Normally Open.	Low Pressure Switch, 2 Spade	High Pressure Sw. UNIVERSAL
Metric M10, Normally Open.	Open: 190 p.s.i.	Normally Open. (R12)	(R12) Normally Closed.
Open: 32 p.s.i.	Close: 250 p.s.i.	Male Thread 3/8-24 UNF-2A	Open: 325 p.s.i. / Close: 250 p.s.i.
Close: 42 p.s.i.	M10x1.25 Female	UNIVERSAL 1/4" SAE	Female Thrd 1/4" SAE
O.E. 20PS309-26, RD5-9267-0	Metripak, RD5-10096-0	Red Dot O.E. RD5-6394-0	20PS129MB350K250K
		Prevents Compressor Damage	Attaches to High Side Service
		Mounts on Drier. Used on Red Dot,	Port Connection.
		Freightliner, Kenworth, Peterbilt, and	
		White. (Harness #11-3100)	
			
<b>11-3019</b>	<b>11-3020</b>	<b>11-3021</b>	<b>11-3033</b>
Binary Cut-out Switch	Low Pressure Switch, 1/4" SAE	High Pressure Switch, 1/4" SAE	High Pressure, Normally Closed.
(R134a) Normally Closed.	(R12/R134a) Normally Open.	(R12/R134a) Normally Closed.	Open: 400 p.s.i.
(low) 28.5 p.s.i., (high) 395 p.s.i.	Close: 30 p.s.i. / Open: 10 p.s.i.	Open: 350 p.s.i. / Close: 250 p.s.i.	Close: 300 p.s.i.
3/8"-24 Male Threads	Trans Air A/C O.E. 111-025	Trans Air A/C O.E. 111-001	Carrier 201-414
Switch for 11-3035 & 11-3036	AC Ind. O.E. 201-404	PS80K10248350-250	
(Harness #11-3100)			
			
<b>11-3210</b>	<b>11-3211</b>	<b>11-3212</b>	<b>11-3213</b>
Accumulator Pressure Switch	Low Press Sw for Filter Drier	Binary Switch, Normally Open.	Low Press Sw., Normally Open.
M10, Linkbelt Excavator	Normally Open.	7/16"-20 Female Flare	Open: 10 p.s.i.
APA220-430-0	Open: 24 p.s.i. / Close: 28 p.s.i.	HIGH: Open: 390 Close: 260 psi	Close: 20 p.s.i.
	J Deere 4709907	LOW: Open: 28 Close: 28 psi	Bobcat Skidsteer 6679085
	Excavators 75-270CLC	Bobcat Skidsteer 6675779	
			
<b>11-3214</b>	<b>11-3215</b>	<b>11-3216</b>	<b>11-3217</b>
Low Pressure, Normally Closed.	High Pressure, Normally Open.	Low Press Sw., Normally Open.	High Pressure, Normally Closed.
10MM Female Thread	10MM Thread	1/4" Thread	10MM Female Thrd, 1.25 pitch
Open: 23 p.s.i.	Open: 275 p.s.i.	Open: 32 p.s.i.	Open: 390 p.s.i.
Close: 7 p.s.i.	Close: 330 p.s.i.	Close: 42 p.s.i.	Close: 240 p.s.i.
CASE 122579A1	CASE 232948A1	J Deere RE155938, RE60887	J Deere 87000227
			CASE 284273A1, A2

**Pressure Switches (continued)**

			
<p><b>11-3227</b> High Pressure, Normally Closed Open: 300 p.s.i. / Close: 265p.s.i. M10 Female Schrader, R134a O.E. 8040088P (Replaces #11-2664)</p>	<p><b>11-3228</b> APADS High Press Fan Trigger Switch Deutsch Normally Closed, 1/4" SAE Open: 275 / Reset: 235 O.E. 8040082P (Replaces #11-2665)</p>	<p><b>11-3229</b> APADS Low Pressure Switch M12 Threads, Normally Open. Set: Close 34 / Reset: 10 INDEX 8040202P</p>	<p><b>11-3231</b> APADS High Pressure Switch Normally Closed. 1/4" Flare Open: 300-325 p.s.i. Close: 200p.s.i. INDEX 8040225P</p>
			
<p><b>11-3232</b> APADS High Pressure Switch M10, Normally Closed. Set: 325 / Reset: 275 INDEX 8040277P, 3948747</p>	<p><b>11-3233</b> APADS Temperature Switch Normally Closed. Set: 205 1/2" NPTF, INDEX 8036087P (Replaces #11-1621)</p>	<p><b>11-3234</b> APADS Temperature Switch Normally Open. Set: 200 1/2" NPTF, 8037030P; 8167882; N83-318977</p>	

**Pressure Switches - Transducers**

			
<p><b>11-0259</b> Transducer, 3 pin GMC w/Denso Compressor oe# 22634172</p>	<p><b>11-0655</b> BLACK Transducer - M10 thrds, 3 Pin Freightliner/Cascadia oe# 2CP55-1; 22-60646-000</p>	<p><b>11-0836</b> BROWN Transducer - M10 thrds, 3 Pin International 2006-2001 4000, 7000, 8000 Series oe# 3546241C1</p>	<p><b>11-0865</b> Transducer - Male thrds, 3 Pin International oe# 1839415-C91</p>

**Pressure Switches (continued)**

**BINARY and TRINARY™ Switches — R12/R134a Compatible**

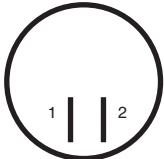
- Binary** Switches perform two functions:  
 A. Prevents compressor operation if system has refrigerant loss or ambient temp. drops too low.  
 B. Prevents compressor operation if high side pressure rises too high. Automatically resets when pressure drops to normal.

- 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	FORD	–	–	M10 Fem	NONE	4 TERM	<b>11-0416</b>
BINARY	FORD	–	–	M10 Fem	NONE	4 TERM	<b>11-0438</b>
BINARY	FRTLINER	350/28	227/40	1/4" Fem	NONE	2 SPADE; NO	<b>11-0616</b>
BINARY	FRTLINER	350/28	227/40	M10 Fem	NONE	2 SPADE; NO	<b>11-0624</b>
BINARY	FRTLINER	455/28	341/40	M10 Fem	NONE	2 PIN; NC	<b>11-0640</b>
BINARY	KENWORTH	426/28	241/40	M10 Fem	NONE	2 PIN	<b>11-1015</b>
BINARY	MACK	312/28	227/38	M10 Fem	w/HARNESS	MP 2W; NC	<b>11-1212</b>
BINARY	RED DOT	15-270	40-120	1/4" Fem	NONE	2 SPADE	<b>11-2630</b>
BINARY	RED DOT	15-270	40-120	3/8" Male	NONE	2 SPADE	<b>11-2631</b>
BINARY	RED DOT	15-270	40-120	1/4" Fem	w/HARNESS	2 SPADE	<b>11-2632</b>
BINARY	UNIVERSAL	28.5	395	3/8" Male	NONE	2 SPADE; NC	<b>11-3019</b>
BINARY	Bobcat	390/28	260/28	7/16"-20 FFlare	NONE	NO	<b>11-3212</b>
TYPE	MFG.	OPEN	CLOSE	THREAD	HARNESS	FUNCTION	PART NO.
TRINARY	RED DOT	22-325	40-230	1/4" Fem	NONE	NO	<b>11-2624</b>
TRINARY	RED DOT	22-325	40-230	3/8" Male	NONE	NO	<b>11-2625</b>
TRINARY	RED DOT	22-325	40-230	1/4" Fem	NONE	NC	<b>11-2627</b>
TRINARY	RED DOT	22-325	40-230	3/8" Male	NONE	NC	<b>11-2628</b>
TRINARY	RED DOT	22-325	40-230	1/4" Fem	w/HARNESS	NO	<b>11-2633</b>

Gold sticker designates Normally Closed NC  
 Silver sticker designates Normally Open NO

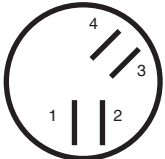
**ILLUSTRATION "A"**



(1) TO CLUTCH (Black Wire)      (2) TO THERMOSTAT (Black/White Wire)

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"**



(1) TO CLUTCH (Black Wire)      (2) TO THERMOSTAT (Black/White Wire)  
 (3) TO SOLENOID, FAN (Yellow Wire)  
 (4) TO POWER (Orange Wire)







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)

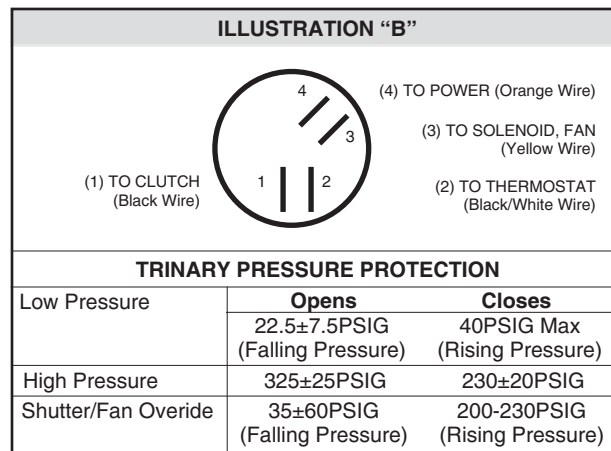
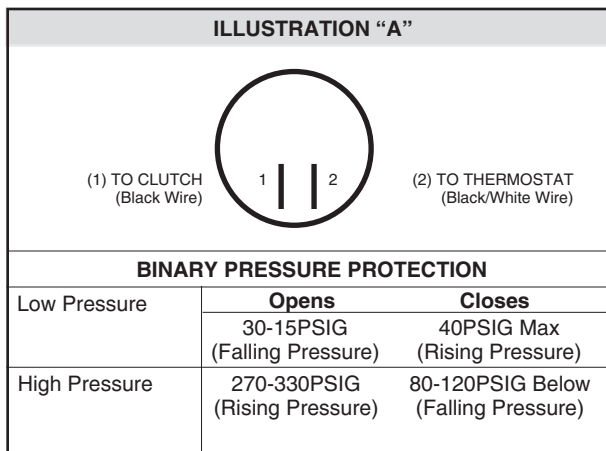
**Pressure Switches - BINARY**

			
<p><b>11-0416</b>                      <b>BLACK</b> High Pressure Binary Switch 4 Terminal, M10-1.25 threads M.P. = 330-238psi H.P. = 464-237psi FORD L-Series O.E. F3DH19D594AA</p>	<p><b>11-0438</b>                      <b>GREEN</b> High Pressure Binary Switch 4 Terminal, M10-1.25 threads M.P. = 325-270psi H.P. = 465-235psi Sterling 06-35209-000</p>	<p><b>11-0616</b>                      <b>R12 only</b> 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</p>	<p><b>11-0624</b> 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</p>
			<p>see illustration "A"</p> 
<p><b>11-0640</b> Binary Switch, Normally Closed M10 Fitting uses harness #11-3162 Freightliner 22-51296-000 HIGH: Off: 455    On: 341 LOW: Off: 28     On: 40</p>	<p><b>11-1015</b>                      <b>BROWN</b> Binary Switch, M10, 2 pin uses harness #11-3162 Kenworth/Peterbilt K301-370-1, 79PSD4-1 HIGH: Off: 426    On: 241 LOW: Off: 28     On: 40</p>	<p><b>11-1212</b> Binary Switch w/Harness Normally Closed MACK O.E. IMR-3550M Metric Female Thread - M10 HIGH: Off: 312    On: 227 LOW: Off: 28     On: 38</p>	<p><b>11-2630</b> Binary Switch Female Thread 1/4" SAE Red Dot O.E. RD5-4640-0; 71R-7050 HIGH: Off: 270    On: 120 LOW: Off: 15     On: 40</p>
<p>see illustration "A"</p> 	<p>see illustration "A"</p> 		
<p><b>11-2631</b> Binary Switch 3/8 - 24 Male Thread Red Dot O.E. RD5-4646-0; 71R-7000 HIGH: Off: 270    On: 120 LOW: Off: 15     On: 40</p>	<p><b>11-2632</b> Female Binary Switch 7/16"-20 Female Thread (#11-2630 switch with 2 wire harness) HIGH: Off: 270    On: 120 LOW: Off: 15     On: 40</p>	<p><b>11-2636</b> Binary Switch Boot (Used with 11-2630 and 11-2631 Switches.) RED DOT O.E. RD5-6860-2 2 wire harness</p>	<p><b>11-3019</b> Binary Cut-out Switch (R134a) Normally Closed (low) 28.5 psi, (high) 395 psi 3/8"-24 Male Threads ID# GY309-23A Harness #11-3100</p>
			
<p><b>11-3028</b> Binary Switch w/Harness CAT OE# 114-5333</p>	<p><b>11-3212</b> Binary Switch, Normally Open. 7/16"-20 Female Flare HIGH: Open: 390    Close: 260 psi LOW: Open: 28    Close: 28 psi Bobcat Skidsteer 6675779</p>		



**Pressure Switches - TRINARY™ Switches**

<p>see illustration "B"</p> 	<p>see illustration "B"</p> 		<p>see illustration "B"</p> 
<p><b>11-2624</b> Trinary II™ Switch, N.O. (For Fan/Override/Shutter Circuit) Female Thread 1/4" SAE Red Dot OE RD5-4583-0; 71R-7550</p>	<p><b>11-2625</b> Trinary II™ Switch, N.O. HIGH: Open: 325 Close: 230 LOW: Open: 22 Close: 40 (For Fan/Override/Shutter Circuit) 3/8 - 24 Male Thread Red Dot O.E. RD5-4585-0; 71R-7500</p>	<p><b>11-2626</b> Trinary II™ &amp; Binary Harness Boot (used in conjunction with P/N 11-2624 &amp; 11-2625; 11-2627 &amp; 11-2628 switches.) Red Dot O.E. RD5-4621-0; 71R-4500</p>	<p><b>11-2627</b> Trinary II™ Switch, N.C. HIGH: Open: 325 Close: 230 LOW: Open: 22 Close: 40 (For Fan/Override/Shutter Circuit) Female Thread 1/4" SAE Red Dot O.E. RD5-4625-0; 71R-7650</p>
<p>see illustration "B"</p>  <p><b>11-2628</b> Trinary II™ Switch, N.C. HIGH: Open: 325 Close: 230 LOW: Open: 22 Close: 40 (For Fan/Override/Shutter Circuit) Male Thread 3/8 - 24 Red Dot O.E. RD5-4620-0; 71R-7600</p>	 <p><b>11-2633</b> Female Trinary, N.O. HIGH: Open: 325 Close: 230 LOW: Open: 22 Close: 40 Fan Override: Normally Open LOW: Open: 210 Close: 260 7/16"-20 Female Thread 4 wire harness, K301-355</p>		

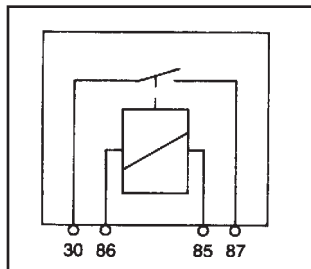


**Relays**

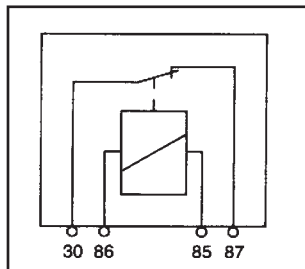
Relays are basically remote control switches operated by an electro-magnetically produced force which opens or closes the relay's contacts through which the main power current flows. (See Illustration A) Relays are normally used to provide minimum resistance on leads between a power source and consumer (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 (N.O.), normally closed (N.C.), and the change-over type as shown below. Relays are available in 12 and 24v.

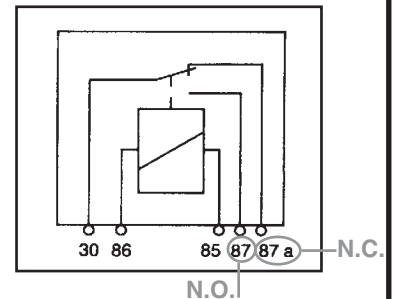
1. Normally-Open relay: 4 Term.



2. Normally-Closed relay: 4 Term.



3. Change-over relay: 5 Term.



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 on the relay itself.

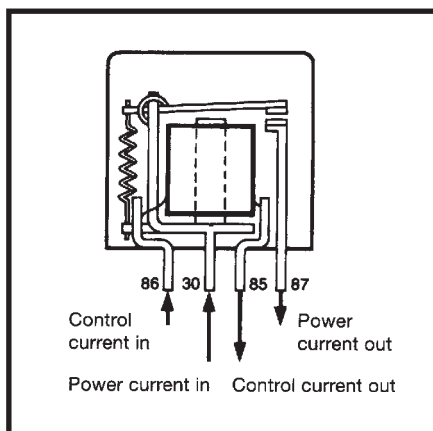


ILLUSTRATION A

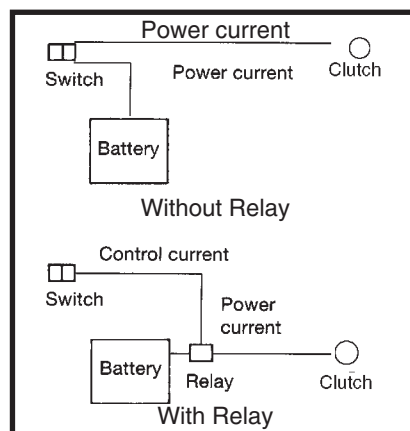


ILLUSTRATION B

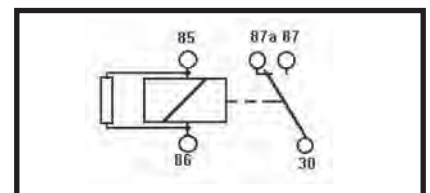


ILLUSTRATION C

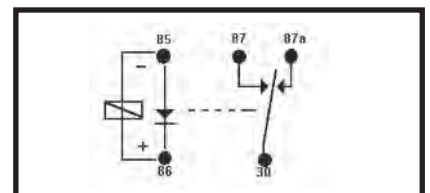






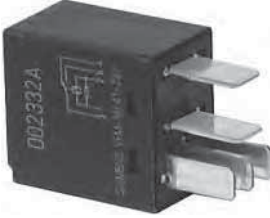
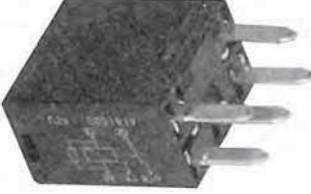
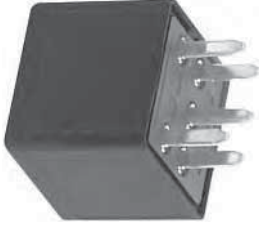



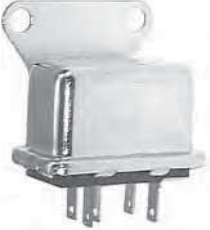







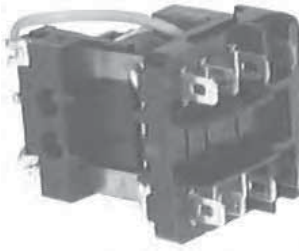
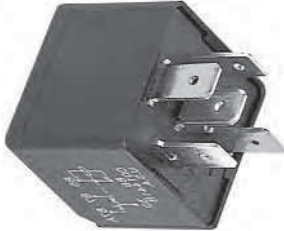
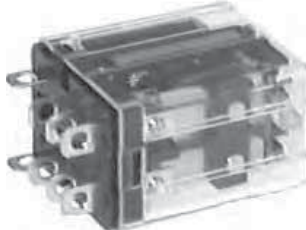


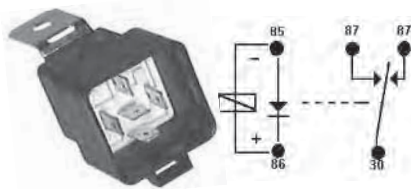
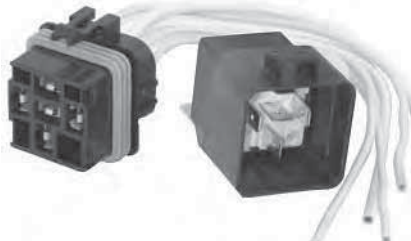


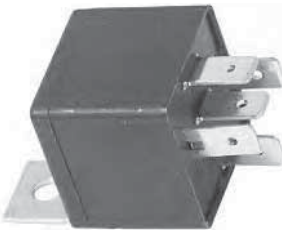


ILLUSTRATION D

**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.





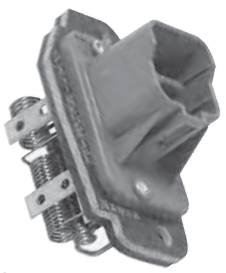

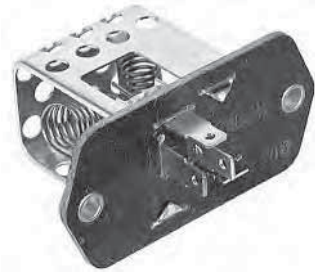





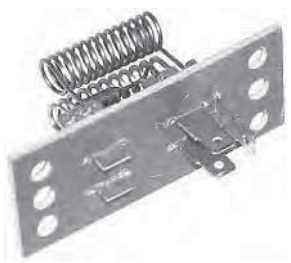



**Relays**

 <p><b>11-0201</b> Blower Relay, 5 Terminal CHEV/GMC / UNIVERSAL O.E.# 1115858 3989214</p>	 <p><b>11-0202</b> A/C Control/Fan Relay CHEV/GMC O.E.# 14089936; 5 Terminal</p>	 <p><b>11-0281</b> Blower Relay, 5 Terminal CHEV/GMC O.E.# 15670651</p>	 <p><b>11-0284</b> Comp./Fan Control; 30 amp w/Resistor, 5 Pin, VF2835F14 CHEV/GMC O.E.# 12077864, 12193601 SPDT</p>
 <p><b>11-0285</b> Relay, grey (rectangle) 4 Terminal, 35 amp, S.P., N.O. Topkick, Kodiak 301-1A-S-R1</p>	 <p><b>11-0437</b> Freightliner M2, 70 amp 4 Terminal, S.P., N.O. Sterling F5RZ-14089CB, V23136-J4-X31</p>	 <p><b>11-0601</b> Blower Relay - Freightliner 680-545-00-05, VFM15-F41 P/B 12135084, VFM-15-F41 5 Term, 20/10 amp; SPDT, NC</p>	 <p><b>11-0602</b> Freightliner C112, C120 5 Term, 20/10 amp; SPDT, NC 301-1C-C-R1</p>
 <p><b>11-0603</b> Freightliner C112, C120 VF2815F14S01 SPDT 5 Terminal, 12v, 30/50 amp 898-H-1CH-C-R1</p>	 <p><b>11-0653</b> Relay, 35/20 amp; SPDT Freightliner 23-13265-000; VF28-95F74-C05 5 Terminal</p>	 <p><b>11-0712</b> Cooling Fan Relay for single fan 2007-08 Sprinter Van O.E.# 88098-32</p>	 <p><b>11-0713</b> Cooling Fan Relay for dual fan 2007-08 Sprinter Van O.E.# 68013674AA</p>
 <p><b>11-0850</b> Blower Relay IHC/NAVISTAR, 5 Terminal O.E.# 447186-C1</p>	 <p><b>11-0851</b> Blower Relay w/ Resistor IHC/NAVISTAR, 4 Terminal O.E. 1661657-C1 (uses 11-3107 connector)</p>	 <p><b>11-0852</b> A/C Relay, green, SPST, NC NAVISTAR O.E. 2503522-C1 VF4-12F21-Z02 4 Terminal 30/40 amp V23136-A4-X75</p>	 <p><b>11-0862</b> Relay - 5 Term; 35/20 amp, SPDT NAVISTAR O.E. 3519350C9 301-1C-C-R1</p>

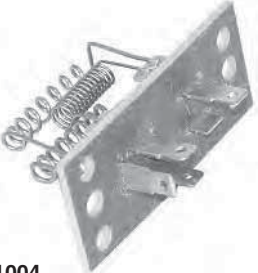






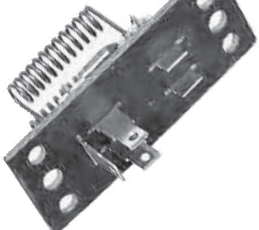
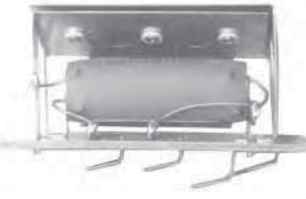

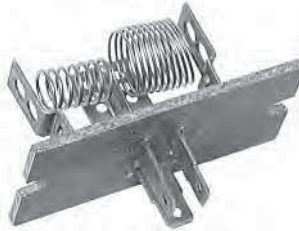
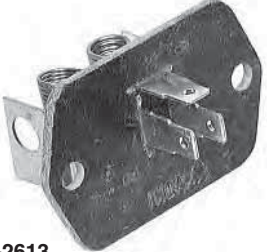




**Relays (continued)**

 <p><b>11-0863</b> Relay, S.P., Normally Open 12 volt, 4 pin, 20 amp NAVISTAR PROSTAR 3600330-C1, 303-1AH-C-R1</p>	 <p><b>11-0864</b> Relay, S.P., Normally Open 12 volt, 4 Pin, 35 amp NAVISTAR PROSTAR 3600329-C1, 301-1A-C-R-R1</p>	 <p><b>11-1404</b> Twin Temperature Relay KYSOR &amp; RED DOT SYSTEMS 8 Terminal, 12 volt</p>	 <p><b>11-1650</b> VOLVO GM O.E. 3946682, VF4-15F11-501 5 Terminal w/Diode, SPDT 40/30 amp, 12 volt</p>
 <p><b>11-2660</b> Relay, 12 volt, 8 Terminal O.E.# RD5-5027-1; FRL-263</p>	 <p><b>BOSCH TYPE / UNIVERSAL</b> <b>11-3002</b> 12 volt 30/40 amp <b>11-3004</b> 24 volt 15/20 amp Relay, 12 volt, 30 amp SPDT, 5 Terminal, w/o diode (uses 11-3102 harness)</p>	 <p><b>11-3002B</b> BOSCH Type, 12 volt, 30 amp SPDT, 5 Terminal, w/o diode Carrier 10-00286-01, 10-00286-03 (like 11-3002 except bracket is on opposite side)</p>	
 <p><b>RED DOT SYSTEMS / UNIVERSAL</b> <b>11-3005</b> 12 volt w/Diode 40/30 amp <b>11-3006</b> 24 volt w/Diode 30 amp RED DOT SYSTEMS/UNIVERSAL P/B VF4-65F11-SO5-(12V) Weatherproof 5 Terminal, SPST (uses 11-3123 conn.)</p>	 <p><b>11-3007</b> 12 volt - w/Pigtail 30/40 amp <b>11-3009</b> 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><b>11-3037</b> 12 volt, 20/40 amp <b>11-3039</b> 24 volt, 10/20 amp w/o Diode 20/40 amp RED DOT A/C VF4-65F11-12V, VF4A-65H11-24V 5 Terminal, Weatherproof SPDT (uses 11-3123 conn.)</p>	
 <p><b>11-3040</b> Relay, 70 amp, with diode Carrier/Transair OE# 10-00328-00; 112029 4 Terminal (2 large, 2 small), SPST (uses 11-3164 harness)</p>	 <p><b>11-3041</b> Relay, 40/50 amp, w/Diode 5 Terminal, SPDT Carrier/Transair O.E.18-00173 (uses 11-3165 connector)</p>	 <p>Relay, 4 terminal w/bracket Carrier Bus A/C Systems <b>11-3043</b> ..... 12 volt, 30 amp 10-00286-000; V23134B-1052-C642 <b>11-3044</b> ..... 12 volt, 40 amp 201-806; V23234-B1001-X004)</p>	 <p><b>11-3240</b> Mini Relay, 24 volt 5 Terminal, w/Diode, SPDT JDeere</p>



<b>Resistors</b>			
 <p><b>11-0237</b> Blower Resistor 3 Speed, 3 Terminal CHEV/GMC O.E. 15551633</p>	 <p><b>11-0239</b> Blower Resistor CHEV/GMC O.E. 15039098</p>	 <p><b>11-0240</b> Resistor CHEV/GMC 52463898</p>	 <p><b>11-0288</b> Blower Mtr Resistor 2003-07 GMC C4500-5500</p>
 <p><b>11-0435</b> Resistor 4 terminal Freightliner/Sterling 4C4H19A-706AA</p>	 <p><b>11-0439</b> Resistor E150-E550; F250SD-F750SD OE# 4C2Z-19A706AA; YH1697</p>	 <p><b>11-0612</b> Blower Resistor 3 Speed, 4 Terminal w/Cage Freightliner O.E. 06-15104-00</p>	 <p><b>11-0613</b> Blower Resistor 4 Speed, 4 Terminal w/Cage Freightliner BOA80-926-00-079, RDH-RD5-6450-0</p>
 <p><b>11-0626</b> Blower Resistor Circuit Board 3 Speed, 4 Terminal Freightliner BOA80-926-00-149</p>	 <p><b>11-0705</b> Resistor 4 Terminal 2003-06 Sprinter Van 2.7TD w/ATC</p>	 <p><b>11-0706</b> Resistor 4 Terminal 2007-08 Sprinter Van w/ATC</p>	 <p><b>11-0804</b> Blower Resistor 4 Speed, 4 Terminal IHC/NAVISTAR O.E. 506552-C1</p>
 <p><b>11-0805</b> Blower Resistor 3 Terminal NAVISTAR O.E. 2500918C1</p>	 <p><b>11-0806</b> Resistor 3 Speed, 5 Terminal</p>	 <p><b>11-0835</b> Resistor 5 Terminal International O.E. 3562102-C1</p>	 <p><b>11-0837</b> LPM Module/Resistor 12 volt, 4 spade, 3 pin NAVISTAR PROSTAR O.E. 3626414-C1, K2675</p>

**Resistors (continued)**

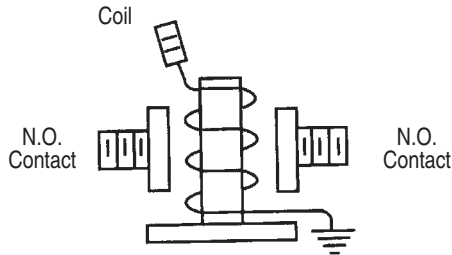
			
<p><b>11-1004</b> Blower Resistor 4 Speed, 4 Terminal Kenworth, International O.E. 650475, 2503727C1</p>	<p><b>11-1020</b> Resistor, 5 Terminal PACCAR O.E. 651313BSM, CA1200</p>	<p><b>11-1208</b> Blower Resistor 4 Speed, 4 Terminal MACK O.E. 4103-5000819133, 6152-DA4008</p>	<p><b>11-1209</b> Blower Resistor 4 Speed, 4 Terminal MACK O.E 3230-220276</p>
			
<p><b>11-1211</b> Resistor Circuit Board MACK 7787-650668</p>	<p><b>11-1227</b> Resistor 5 Terminal, 12v MACK 3543-H2480</p>	<p><b>11-1408P</b> Blower Resistor 4 Terminal, 12 volt PETERBILT O.E.5X010040, P93CAA3100-01S</p>	<p><b>11-1608</b> Blower Resistor 3 Speed, 3 Terminal VOLVO GM O.E. V3134241 BERGSTROM O.E. 650179</p>
			
<p><b>11-1615</b> Blower Resistor 4 Terminal VOLVO GM O.E. 3946681</p>	<p><b>11-1639</b> Blower Resistor 4 Terminal VOLVO O.E. 91592, 20443826</p>	<p><b>11-2020</b> Blower Resistor 3 Speed, 3 Terminal KYSOR O.E. 220990</p>	<p><b>11-2613</b> Blower Resistor For 3 Speed Operation Used in Conjunction with P.M. 2 Wire Motors, 3 Terminal RED DOT O.E. 71R-1450</p>
			
<p><b>11-2647</b> C.T.C.™ Resistor Kit Fits Trucks with Red Dot C.T.C.™ Systems RED DOT O.E. RD6-4661-1M</p>	<p><b>11-2675</b> Resistor 4 Terminal, 12 volt Variable Speed, Ceramic 6-1/2" length x 1-3/16" dia. J. DEERE Crawler/Dozer 650H</p>	<p><b>11-2676</b> Resistor 4 Terminal, 24 volt Ceramic, Variable Speed 7" length x 1-1/4" dia. J. DEERE Crawler/Dozer 700H</p>	<p><b>11-2677</b> SPAL Blower Motor Resistor 3 Speed, 4 Terminal, 24 volt Red Dot Units</p>

<b>Resistors (continued)</b>			
<p><b>11-2685</b> C.T.C.™ Resistor Diode (Rotary) RED DOT O.E. RD6-4691</p>	<p><b>11-2686</b> SPAL Blower Motor Resistor ID# 4003, 3 Speed, 4 Terminal</p>	<p><b>11-2687</b> SPAL Blower Motor Resistor ID# 4005, 3 Speed, 4 Terminal</p>	<p><b>11-2688</b> SPAL Blower Motor Resistor ID# 4004, 3 Speed, 4 Terminal</p>
<p><b>11-2689</b> SPAL Blower Motor Resistor ID# 1006, 4 Speed, 5 Terminal</p>	<p><b>11-2691</b> SPAL Blower Motor Resistor ID# 1001, 4 Speed, 5 Terminal</p>	<p><b>11-3032</b> Resistor Block - 1.80 OHM 4 Terminal Trans Air, A/C Industries 111-060 (Can replace 201-611; 3 term.)</p>	

**Solenoid Switches / Valves**

Preferred Mounting Position - Cap Down

**GROUND**



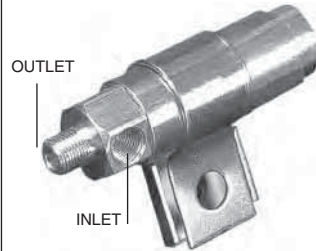
**Solenoid Switches**  
 Continuous Operation  
 5/16"- 24 UNF Threads  
 Single Pole, Normally Open  
 3 Terminal

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

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



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



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



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



**11-2038**  
 Vacuum Solenoid  
 ProAir OE# 11-000-024

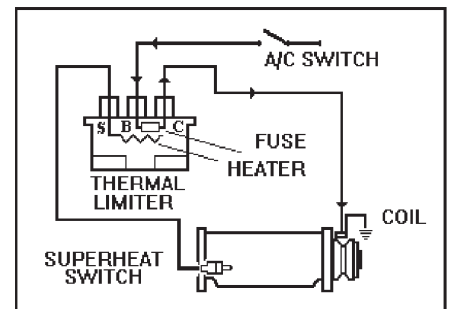


**11-2038H**  
 Harness  
 for Vacuum Solenoid  
 ProAir OE# 04-000-039

**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





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 (Thermistors) 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. All thermostatic switches listed close at higher temperature and open at lower temperature.

**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"	.....35°	.....28°		11-3084	.....Preset	.....21"	.....39°	.....33°	
11-0860	.....Preset	.....24"	.....44°	.....34°		11-3085	.....Knob	.....24"	.....34°	.....26°	.....Adjustable
11-1050	.....Preset	.....12"	.....40°	.....31°		11-3086	.....Knob	.....72"	.....35°	.....28°	.....Adjustable
11-1603	.....Cable	.....21"	.....40°	.....31°		11-3091	.....Cable	.....30"	.....36°	.....28°	.....Cold towards cable
11-1605	.....Knob	.....36"	.....34°	.....26°	.....Side terminals, Adj.	11-3093	.....Cable	.....42"	.....40°	.....30°	.....Cold away from cable
11-1613	.....Preset	.....30"	.....39.5°	.....31°		11-3094	.....Preset	.....24"	.....39.5°	.....31°	
11-1616	.....Preset	.....30"				11-3096	.....Ambient	.....11"			.....Adjustable
11-2650	.....Knob		.....60° to 80°		.....Adj. bunk cont.	11-3097	.....Lever	.....24"			.....Adjustable
11-3075	.....Knob	.....48"	.....34°	.....26°	.....Adjustable	11-3098	.....Preset				
11-3076	.....Knob	.....36"	.....52°	.....34°	.....Adjustable						
11-3078	.....Knob	.....27"	.....52°	.....34°	.....Adjustable						









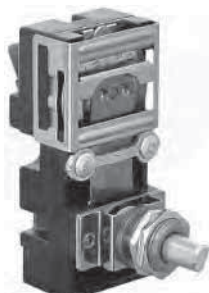






**THERMOSTATIC SWITCH INTERCHANGE**

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	A45-1040	.....N/A	.....11-3091	N/A	.....9533N302	.....11-3095
A10-6490	.....9533N395	.....11-3085	A45-1054	.....9533N407	.....11-3084	N/A	.....9533N376	.....11-3094
A10-6492	.....9533N397	.....11-3076	A45-1054-00	.....N/A	.....11-3084	N/A	.....9533N383	.....11-3096
A10-6493	.....9533N397	.....11-3076	A45-1061	.....9533N401	.....11-3081	N/A	.....9533N405	.....11-3093
A10-6495	.....9533N399	.....11-3075	A45-1072	.....N/A	.....11-3084	N/A	.....9533N473	.....11-0620
A10-6499	.....N/A	.....11-3075	A45-1077	.....9533N424	.....11-3086	N/A	.....9533N476	.....11-1603
A10-6557	.....N/A	.....11-3076	A45-1078	.....N/A	.....11-3076	N/A	.....9533N484	.....11-1605
A10-6558	.....N/A	.....11-3075	A45-1086	.....N/A	.....11-3093	N/A	.....9533N522	.....11-1613
A10-6559	.....N/A	.....11-3076	A45-1092	.....9533N419	.....11-3076	N/A	.....9533N535	.....11-2075
A10-6561	.....9533N420	.....11-3076	A45-1094	.....9533N425	.....11-3075	N/A	.....9533N538	.....11-1050
A10-6562	.....N/A	.....11-3075	A45-1095	.....9533N415	.....11-3085	N/A	.....9533N563	.....11-3097
A10-6563	.....N/A	.....11-3076	A45-3003	.....9537N19	.....11-3087	N/A	.....9537N7	.....11-3087
A10-7030	.....N/A	.....11-3091	A45-3006	.....N/A	.....11-3087	N/A	.....9537N301	.....11-3093
A10-7055	.....N/A	.....11-3093 (1)	A46-3003	.....9533N400	.....11-0275			
A10-7056	.....N/A	.....11-3093	A46-3004	.....9533N406	.....11-3081			
A10-7086	.....N/A	.....11-0860	A46-3111	.....9533N411	.....11-3094			
A10-7098	.....N/A	.....11-0861	A46-3122	.....9533N417	.....11-3094			
A30-1954	.....9533N416	.....11-3085	A46-3133	.....N/A	.....11-3084			
A45-1033	.....N/A	.....11-3084	A46-3137	.....N/A	.....11-3084			
A45-1039	.....9533N422	.....11-3076	A58-118	.....N/A	.....11-3093			

(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 (continued)**

Listed in ascending order by part number.

			
<p><b>11-0275</b> 12" Cap. Tube - Preset Cuts in 44.5° F, cuts out 30.5° F General Motors O.E. 3039429</p>	<p><b>11-0620</b> 16" Cap Tube - Preset Cuts in 35° F, cuts out 28° F Freightliner O.E. BOA80-946-00-079</p>	<p><b>11-0860</b> 24" Cap Tube - Preset Cuts in 44° F, cuts out 34° F. IHC/NAVISTAR O.E. 1664248-C1</p>	<p><b>11-1050</b> 12" Cap. Tube - Preset Cuts in at 40°, cuts out at 31° KENWORTH O.E. RDHRD5-8938-0</p>
			
<p><b>11-1603</b> 21" Cap Tube - Cable Operated Cuts in 40° F, cuts out 31° F VOLVO GM O.E. V1118416</p>	<p><b>11-1605</b> Knob Operated; Adjustable 36" Cap Tube Cuts in 34° F, cuts out 26° F VOLVO GM</p>	<p><b>11-1613</b> 30" Cap Tube - Preset Cuts in 39.5° F, cuts out 31° F VOLVO-GM O.E. 3915962</p>	<p><b>11-1616</b> 30" Cap Tube - Preset VOLVO-GM O.E. 3094341</p>
			
<p><b>11-2650</b> Bunk Control Adjustable 60° F – 80° F setting Bi Metal positive on/off Red Dot &amp; Kysor RD4430, 220497</p>	<p><b>11-3075</b> Universal; Adjustable 48" Cap. Tube Knob Operated Cuts in 34° F, cuts out 26° F</p>	<p><b>11-3076</b> Rotary 36" Cap. Tube; Adjustable Knob Operated, RD4125-36 Cuts in 52° F, cuts out 34° F</p>	<p><b>11-3078</b> 27" Capillary - Rotary; Adjustable Temp Range 52° - 34° F RD4172-0</p>
			
<p><b>11-3081</b> 18" Cap. Tube - Preset Cuts in 36° F, cuts out 24° F FORD F-SER. O.E. D3DH-19618A</p>	<p><b>11-3084</b> 21" Cap. Tube - Preset Cuts in 39° F, cuts out 33° F Kenworth, Mack, Peterbilt</p>	<p><b>11-3085</b> Universal; Adjustable 24" Cap. Tube, Knob operated Cuts in 34° F, cuts out 26° F</p>	<p><b>11-3086</b> Universal; Adjustable 72" Cap. Tube, Knob operated Cuts in 35° F, cuts out 28° F</p>

**Thermostatic Switches (continued)**

Listed in ascending order by part number.



**11-3091**

Cable Operated; Adjustable  
30" Cap. Tube  
Cuts in 36° F, cuts out 28° F  
IHC/NAVISTAR O.E. 426164-C2



**11-3093**

Cable Operated; Adjustable  
42" Cap. Tube  
Cuts in 40° F, cuts out 30° F  
IHC/NAVISTAR O.E. 581691-C1



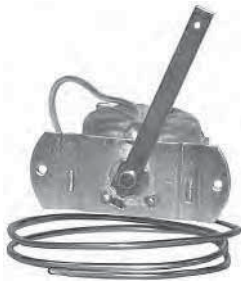
**11-3094**

Preset Switch with side mount  
24" Cap. Tube  
Cuts in 39.5° F, cuts out 31° F  
Freightliner, Mack, Peterbilt



**11-3096**

Ambient Thermostat Sw.; Adjustable  
11" Cap. Tube  
EATON 9533N383  
Carrier Bus AC201-500



**11-3097**

MCC Units - Lever Operated  
24" Cap. Tube; Adjustable  
EATON 9533N563  
25-0069MCC



**11-3098**

Preset Elect. Control  
Ford 40-Series Tractors  
OE# 82034877

**Wiring Components — for Relays and Switches**

(for Clutch Coil Pigtails see page 239)

Switch No.	Pigtail	Switch No.	Pigtail	Switch No.	Pigtail	Switch No.	Pigtail	Switch No.	Pigtail
11-0211	11-3102	11-0410	11-3103	11-1409	11-3162	11-2656	11-3162	11-3035	11-3100
11-0213	11-3100	11-0413	11-3103	11-2033	11-3166	11-2657	11-3162	11-3036	11-3100
11-0215	11-3105	11-0616	11-3100	11-2039	11-3166	11-3002	11-3102	11-3037	11-3123
11-0216	11-3105	11-0624	11-3100	11-2611	11-3031	11-3004	11-3102	11-3039	11-3123
11-0218	11-3107	11-0640	11-3162	11-2624	11-2626	11-3005	11-3123	11-3040	11-3164
11-0219	11-3105	11-0819	11-3105	11-2625	11-2626	11-3006	11-3123	11-3041	11-3165
11-0220	11-3105	11-0820	11-3105	11-2627	11-2626	11-3007	11-3123	11-3050	11-3031
11-0248	11-3105	11-0851	11-3107	11-2628	11-2626	11-3009	11-3123		
11-0250	11-3105	11-1000	11-3162	11-2630	11-2636	11-3010	11-3100		
11-0253	11-3105	11-1001	11-3162	11-2631	11-2636	11-3017	11-3100		
11-0256	11-3105	11-1015	11-3162	11-2655	11-3162	11-3019	11-3100		

			
<b>11-2626</b>	<b>11-2636</b>	<b>11-3031</b>	<b>11-3100</b>
Trinary II™ & Binary Harness Boot	Binary Switch Boot	Blower Switch Harness	Low Pressure Switch Harness
(Used in Conjunction with P/N 11-2624 & 11-2625; 11-2627-2631 Switches.)	(Used with 11-2630 & 11-2631 Switches.)	A/C Industries O.E. 201-902	Fits switch P/N's 11-0616, 11-3019, 11-3017 & 11-3010, 11-0624
RED DOT O.E. RD5-4621-0; 71R-4500	RED DOT O.E. RD5-6860-2	5 terminal connector	UNIVERSAL - 2 wire (can use 11-3154)
	2 wire harness	(Fits 11-3050 & 11-2611 switches)	
			
<b>11-3101</b>	<b>11-3102</b>	<b>11-3103</b>	<b>11-3105</b>
Blower Switch Harness - 5 Wire	Bosch Mini-Relay Connector	FORD Press Cycling Switch Harness	CHEV/GMC, INTERNATIONAL
FORD O.E. D5AB-14489-C	Works on 4 or 5 Prong Relays	(Fits switch P/N 11-0410, 11-0413)	Low Pressure Switch Pigtail - 2 Wire
	(Fits relay P/N's 11-1650, 11-3002)	2 Wire	
	UNIVERSAL - 5 Wire		
			
<b>11-3107</b>	<b>11-3123</b>	<b>11-3154</b>	<b>11-3162</b>
CHEV/GMC High Blower Relay	CHEV/GMC A/C Cutout Relay	Low Pressure Switch Harness	FREIGHTLINER, PACCAR
Pigtail - 4 Wire	Pigtail - 5 wire	UNIVERSAL - 48" leads	Pigtail for 11-2655, 11-2657 Switches
	with weatherproof seal		2 wire
			
<b>11-3164</b>	<b>11-3165</b>	<b>11-3166</b>	<b>11-3169</b>
Pigtail for 11-3040	CARRIER/TRANSAIR	Blower Switch Harness	Coil Connector Pigtail for
4 terminal relay 70 amp	Pigtail for 11-3041	Fits 11-2033, 11-2039	KUBOTA SCSA06C Comp.
	5 terminal relay, 40/50 amp		