



71R SERIES

Controls

Electrical & Refrigerant

Did You Know...

The EXPANSION VALVE meters refrigerant based upon evaporator heat loads. As the refrigerant gas leaving the evaporator passes through the valve's outlet port, gas temperature is sensed by the valve's internal sensing bulb and the refrigerant level is regulated.

Service Tip

The most common expansion valve failure mode is due to valve charge head leaks. System contaminants lodged in valve inlet orifice may also affect valve metering and flow capabilities. Suspected metering inconsistencies many times have distinct characteristics.

- Starving Expansion Valve: Frost present on inlet of evaporator.
- Flooding Expansion Valve: Hissing at valve upon system shutdown.

A manifold gauge set must be installed to confirm irregular system pressures.



CLIMATRANS INC.

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Eastern Canada

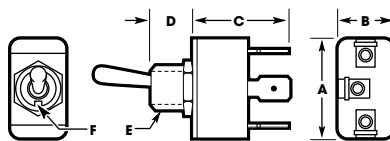
71R SERIES

TOGGLE SWITCHES

Listed in ascending order by dimension:

A=Base length **B**=Base width **C**=Flange to Blade End

D= Flange to Bezel Shaft Top **E**=Diameter-Thread **F**= Keyway



All terminal utilize a 1/4" male blade connection

Dimensions						Type/Description	Function	No. of Terminals	Red Dot Part No.	Factory No.
A	B	C	D	E	F					
1 1/8	5/8	1 1/4	1/2	15/32-32UNS-2A	.072 x .038	SPST / Chrome	On-Off	2	71R0010	RD-5-3748-0P
1 1/8	5/8	1 3/32	1/2	15/32-32UNS-2A	.072 x .038	SPDT / Black	On-Off-On	3	71R0100	RD-4123-1P
1 3/16	3/4	1 1/4	1/2	15/32-32UNS-2A	.072 x .038	DPDT / Chrome	On-On-On	4	71R0400	RD-5-0071-0P
1 3/16	3/4	1 1/4	1/2	15/32-32UNS-2A	.072 x .038	DPDT / Chrome	On-Off-On	6	71R0200	RD-4123-2P
1 3/16	3/4	1 3/16	1/2	15/32-32UNS-2A	.068 x .035	DPDT / Black	On-Off-On	5	71R0250	RD-5-3599-0P
1 3/16	3/4	1 11/32	1/2	15/32-32UNS-2A	.068 x .035	SPST / Black	On-Off	3	71R0050	RD-5-3923-0P
1 1/2	1	1 1/4	1 3/4	Lever	Lever	SPST / Lever	Off-On-On-On	5	71R0450	RD-5-4694-1P
1 3/4	3/4	1 1/2	7/8	Paddle	Paddle	SPDT / Safety	On-Off-On	3	71R0150	RD-4225-1P
1 3/4	3/4	1 1/2	7/8	Paddle	Paddle	DPDT / Safety	On-Off-On	5	71R0300	RD-4225-2P
1 15/16	1 11/16	1 3/16	1 25/32	Lever	Lever	DP4POS / Lever	Off-On-On-On	10	71R0470	RD-5-5302-1P
				15/32-32UNS-2A	1/4"	DPDT / Black	On-On-On	4	71R0260	RD-5-5400-0P
				15/32-32UNS-2A		3PDT / Chrome	On-Off-On	9	71R0350	RD-5-3988-0P
				Lever	Lever	SPST / Bent Lever	Off-On-On-On	5	71R0453	RD-5-10056-0P
				Lever	Lever	SPST / Lever	Off-On-On-On	5	71R0460	RD-5-6804-0P
				Lever	Lever	4 Position / Lever	Off-Low-Med-Hi	4	71R0475	RD-5-10192-0P
				Lever	Lever	DP4POS / Lever	Off-On-On-On	10	71R0480	RD-5-8256-0P
				Lever	Lever	4 Position / Lever	Off-Low-Med-Hi	5	71R0485	RD-5-10188-0P
				Lever	Lever	4 Position / Lever	Low-Med 1-Med 2-Hi	4	71R0487	RD-5-10196-0P

71R0010

RD-5-3748-0P

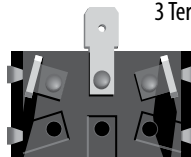
SPST Type
Chrome Toggle
Function: ON - OFF
2 Terminals



71R0150

RD-4225-1P

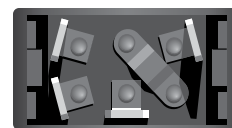
SPDT Type
Safety Toggle
Function: ON - OFF - ON
3 Terminals



71R0260

RD-5-5400-0P

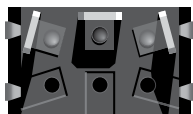
DPDT Type
Black Toggle
Function: ON - ON - ON
4 Terminals



71R0050

RD-5-3923-0P

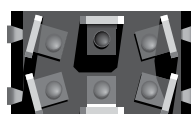
SPST Type
Black Toggle
Function: ON - OFF
3 Terminals



71R0200

RD-4123-2P

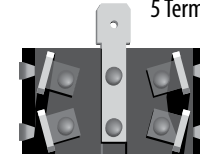
DPDT Type
Chrome Toggle
Function: ON - OFF - ON
6 Terminals



71R0300

RD-4225-2P

DPDT Type
Safety Toggle
Function: ON - OFF - ON
5 Terminals



71R0100

RD-4123-1P

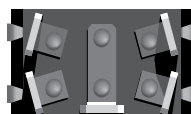
SPDT Type
Black Toggle
Function: ON - OFF - ON
3 Terminals



71R0250

RD-5-3599-0P

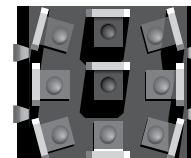
DPDT Type
Black Toggle
Function: ON - OFF - ON
5 Terminals



71R0350

RD-5-3988-0P

3PDT Type
Chrome Toggle
Function: ON - OFF - ON
9 Terminals

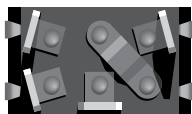


TOGGLE SWITCHES

71R0400

RD-5-0071-0P

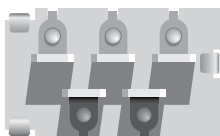
DPDT Type
Chrome Toggle
Function: ON - ON - ON
4 Terminals



71R0450

RD-5-4694-1P

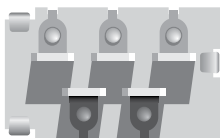
SPST Type
Uses 71R4030 knob
Function: OFF - ON - ON - ON
5 Terminals



71R0453

RD-5-10056-0P

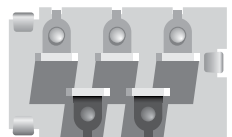
SPST Type with Bent Lever
Uses 71R4030 knob
OFF - ON - ON - ON
5 Terminals



71R0460

RD-5-6804-0P

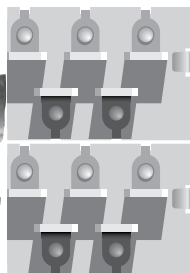
SPST Type
Uses 71R4030 knob
Function: OFF - ON - ON - ON
5 Terminals



71R0470

RD-5-5302-1P

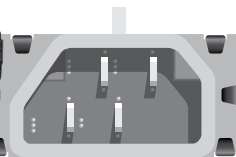
Fits unit model R-4140, R-4145
DP4POS Type
Uses 71R4030 knob
Function: OFF - ON - ON - ON
10 Terminals



71R0475

RD-5-10192-0P

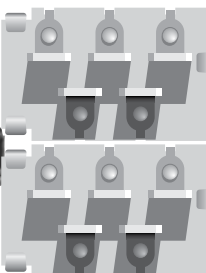
Freightliner
Lever Switch, Single Pole,
4 Position Type
Uses 71R4030 knob
Function: OFF - LOW - MED - HIGH
4 Terminals



71R0480

RD-5-8256-0P

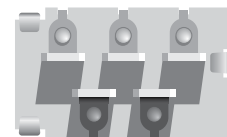
IHC OE #501087C3
DP4POS Type
Function: OFF - ON - ON - ON
10 Terminals



71R0485

RD-5-10188-0P

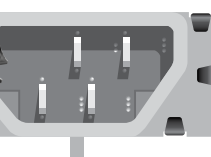
Lever Switch, Single Pole,
4 Position Type
Function: OFF - LOW - MED - HIGH
5 Terminals



71R0487

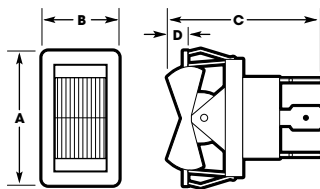
RD-5-10196-0P

Lever Switch, Single Pole,
4 Position Type
Function: LOW - MED1 - MED2 - HIGH
4 Terminal



71R SERIES

ROCKER SWITCHES



Listed in ascending order by dimension:

A=Base length **B**=Base width
C=Overall Depth **D**=Flange to Rocker Height

Dimensions				Type	Rating	Function	No. of Terminals	Type	Light Illumination	Red Dot Part No.	Factory No.
A	B	C	D								
7/8	5/8	1	1/8	SPST	12VDC, 15 amps	On-Off	3	1/4 male blade	Blue	71R0512	RD-5-9037-0P
7/8	5/8	1	1/8	SPST	12VDC	On-Off	3	1/4 male blade	Green	71R0522	RD-5-8830-0P
7/8	5/8	1	1/8	SPST	12VDC	On-Off	3	1/4 male blade	White	71R0532	RD-5-8831-0P
7/8	5/8	1	1/8	SPST	12/24VDC	Off-On	2	1/4 male blade	None	71R0840	RD-5-8967-0P
1 1/2	5/8	1 3/4	1/4	SPDT	12VDC, 15 amps	On-Off-On	3	1/4 male blade	None	71R0500	RD-4151-1P
1 9/16	7/8	1 7/8	3/8	DPDT w jumper	12VDC, 15 amps	On-Off-On	5	1/4 male blade	None	71R0550	RD-4151-2P
1 9/16	7/8	1 7/8	3/8	DPDT	12VDC	On-Off-On	6	1/4 male blade	None	71R0600	RD-4151-4P
1 9/16	7/8	1 7/8	3/8	DPST w jumper	12VDC	On-On	5	1/4 male blade	None	71R0650	RD-4151-6P
1 9/16	7/8	1 7/8	3/8	SPST	12VDC	On-On	2	1/4 male blade	None	71R0700	RD-4151-7P
2	1	2	1/2	DPDT	12VDC	Off-On-On	4	1/4 male blade	Blue	71R0852	RD-5-7215-0P
2	1	2	1/2	DPDT	24VDC	Off-On-On	4	1/4 male blade	Blue	71R0854	RD-5-7183-0P
2	1	2	1/2	SPDT	12VDC	On-Off-On*	4	1/4 male blade	Red	71R0862	RD-5-8315-0P
2	1	2	1/2	DPDT	12VDC	On-On-On	4	1/4 male blade	None	71R0872	RD-5-7181-0P
2	1	2	1/2	SPST	24VDC	Off-On*	4	1/4 male blade	White	71R0884	RD-5-8995-0P
2 7/8	1 5/16	1 7/8	3/8	—	12VDC	—	8	1/4 male blade	Blue	71R0892	RD-5-8509-0P

71R0500

RD-4151-1P

SPDT Type
Function: On-Off-On
3 Terminals, 12 VDC
15 amps



71R0532

RD-5-8831-0P

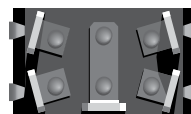
SPST Type
Function: On-Off
3 Terminals 12 VDC
White Light



71R0650

RD-4151-6P

DPST Type with Jumper
Function: On-On
5 Terminals



71R0512

RD-5-9037-0P

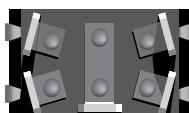
SPST Type
Function: On-Off
3 Terminals 12 VDC
15 amps, Blue Light



71R0550

RD-4151-2P

DPDT Type with Jumper
Function: On-Off-On
5 Terminals, 12 VDC
15 amps



71R0700

RD-4151-7P

SPST Type
Function: On-On
2 Terminals



71R0522

RD-5-8830-0P

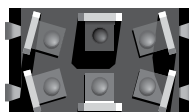
SPST Type
Function: On-Off
3 Terminals 12 VDC
Green Light



71R0600

RD-4151-4P

DPDT Type
Function: On-Off-On
6 Terminals



71R0840

RD-5-8967-0P

SPST Type
Function: Off-On
2 Terminals 12/24 VDC



71R0852

RD-5-7215-0P

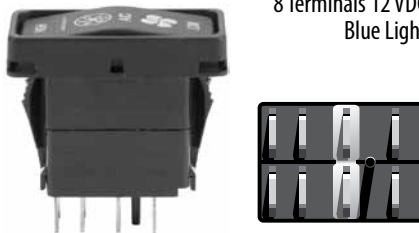
DPDT Type
Function: Off-On-On
4 Terminals 12 VDC
Blue Light



71R0892

RD-5-8509-0P

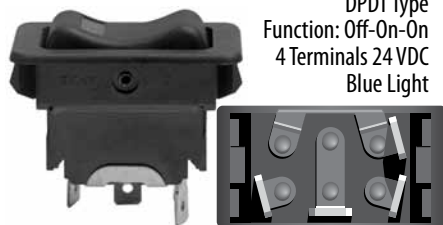
8 Terminals 12 VDC
Blue Light



71R0854

RD-5-7183-0P

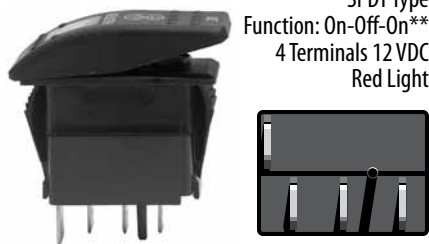
DPDT Type
Function: Off-On-On
4 Terminals 24 VDC
Blue Light



71R0862

RD-5-8315-0P

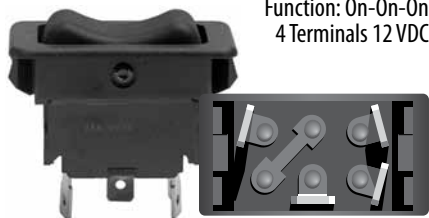
SPDT Type
Function: On-Off-On**
4 Terminals 12 VDC
Red Light



71R0872

RD-5-7181-0P

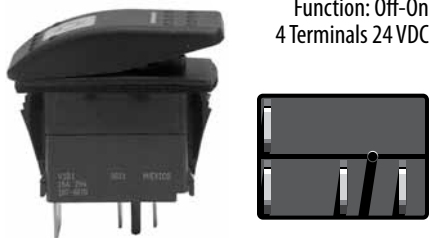
DPDT Type
Function: On-On-On
4 Terminals 12 VDC



71R0884

RD-5-8995-0P

SPST OE Cat #107-6070
Function: Off-On
4 Terminals 24 VDC

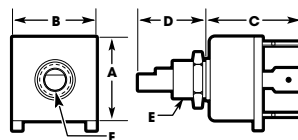


71R SERIES

ROTARY SWITCHES

Listed in ascending order by dimension:

A=Base length **B**=Base width **C**=Overall Depth
D= Flange to Shaft Height **E**=Diameter-Thread **F**= "D" Shaft Diameter



Dimensions						Type	Rating	Function	No. of Terminals	Type	Red Dot Part No.	Factory No.
A	B	C	D	E	F							
1	1	1 1/4	1	7/16-28UNF	1/4	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	71R1150	RD-5-3646-0P
1 5/32	1 1/16	1 1/4	5/8	7/16-28UNF	1/4	DP3T	15 amps, 12VDC	Off-Low-Med-High	4	1/4 male blade	71R1165	RD-5-3779-0P
1 5/32	1 1/16	1 1/4	11/16	7/16-28UNF	3/8	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	71R1160	RD-5-9833-0P
1 5/32	1 1/16	1 1/4	7/8	7/16-28UNF	1/4	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	71R1163	RD-5-10934-0P
1 5/32	1 1/16	1 25/32	11/16	7/16-28UNF	1/4	DP3T	18 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	71R1210	RD-5-5194-0P
1 5/16	1 7/16	2 5/8	5/8	7/16-28UNF	1/4	DP3T	15 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	71R1200	RD-5-4908-0P
1 3/4	1 3/8	1 5/32	1 1/4	3/8"-24	1/4	DP3T	25 amps, 12VDC	Off-Low-Med 1-Med 2-High	6	1/4 male blade	71R1175	RD-5-8771-0P
Blower Switch, Front Main Control, Ford OE #F4UZ19986A											71R6247	RD-5-10437-0P
Blower Switch, Front Control, Ford OE #E6DZ-19986A											71R6249	RD-5-10438-0P
Blower Switch, Front Control Auxiliary Fan, Ford OE #F2UZ-19986C											71R6251	RD-5-10439-0P



71R1150 RD-5-3646-0P

3 speed, Long Shaft
 DP3T
 4-position
 5 terminals
 25 amps



Mounting hole: .442" x .385" - "D" hole

71R1160 RD-5-9833-0P

3 speed, Short Shaft
 DP3T
 4-position
 5 terminals
 25 amps



Mounting hole: .442" x .385" - "D" hole

71R1163 RD-5-10934-0P

3 speed
 DP3T
 4-position
 5 terminals
 25 amps



Mounting hole: .442" x .385" - "D" hole

71R1165 RD-5-3779-0P

3 speed (low, medium, high)
 DP3T,
 4-position,
 4 terminals
 15 amps



Mounting hole: .442" x .385" - "D" hole

71R1175 RD-5-8771-0P

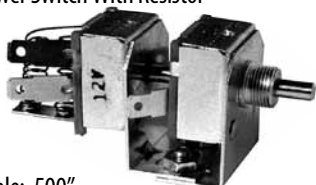
5 speed
 DP3T
 5-position
 6 terminals
 25 amps



Mounting hole: .375"

71R1200 RD-5-4908-0P

Tandem Blower Switch With Resistor
 DP3T,
 4-position,
 5 terminals
 15 amps



Mounting hole: .500"

71R1210* RD-5-5194-0P

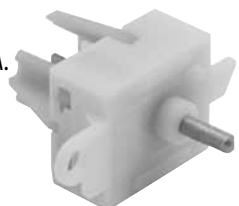
3 Speed with Resistor -
 DP3T,
 4-position,
 5 terminals
 18 amps
 Uses Knob
 71R4050, right.



Mounting hole: .500"

71R6247 RD-5-10437-0P

Blower Switch
 Front Main Control
 Ford OE #F4UZ19986A.



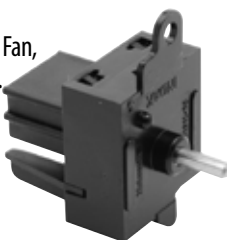
71R6249 RD-5-10438-0P

Blower Switch,
 Front Control,
 Ford OE #E6DZ-19986A.



71R6251 RD-5-10439-0P

Blower Switch,
 Front Control Auxiliary Fan,
 Ford OE #F2UZ-19986C.



CONTROL KNOBS

71R4010 RD-5-8654-1P

Convex, Flush Mount
Diameter: 1.6"
Height: .91"
"D" Shaft diameter: 1/4" @ 46°

**71R4011** RD-5-8654-2P

Convex, Flush Mount
Diameter: 1.6"
Height: .91"
"D" Shaft diameter: 1/4" @ 270°

**71R4015** RD-5-8812-0P

Convex, Flush Mount
Diameter: 1.31" with pointer: 1.61"
Height: .88"
"D" Shaft diameter: 1/4" @ 90°

**71R4020** RD-5-8654-0P

Convex, Flush Mount
Diameter: 1.6"
Height: .91"
"D" Shaft diameter: 1/4" @ 90°

**71R4025** RD-5-10342-0P

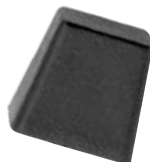
Convex, Flush Mount
Diameter: 1.6"
Height: .91"
"D" Shaft diameter: 1/4" @ 90°

**71R4030** RD-5-4302-0M

Black Plastic Press Fit
Lever control
Base: .400 X .390
Height: 7/8"
Fits: .3" x .1" lever shaft,
spring retainer

**71R4035** RD-5-4450-0P

Black Plastic Press Fit
Lever control
Base: .67" x .45"
Height: 5/8"
Fits: .3" x .1" lever shaft,
spring retainer

**71R4040** RD-5-5928-0P

1/4" Shaft & Set Screw

**71R4050** RD-4181-0P

1/4" Shaft & Set Screw
45° offset
Flush mount
Diameter: 1 1/4"
Height: .85"
Shaft recess: 3/4"

**71R4060** RD-5-8075-0P

1/4" Shaft & Set Screw
45° offset
Flush mount
Diameter: 1 1/4"
Height: .85"
Shaft recess: 3/4"

**71R4063** RD-5-8134-0P

Control knob for
electronic water valves
72R7000 and 72R7100

**71R4065** RD-5-9133-0M

Control knob for
water valves, optional for
72R7000 and 72R7100

**71R4105** RD-5-8673-0P

10-32 Internal Threads
Shaft diameter: 1/4"



CIRCUIT BREAKERS

Listed in ascending order by current (amps) rating

Amps	Length	Width	Height	Dimension	Shaft Contact	Terminal Description	Voltage Rating	Maximum Operating Voltage	Part No.	Factory No.
5	1 3/8"	1 3/8"	1 1/16"	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	71R1320	RD-5-7807-0P
15	1 3/8"	1 3/8"	1 1/16"	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	71R1310	RD-5-6602-0P
20	1 3/8"	1 3/8"	1 1/16"	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	71R1315	RD-5-6714-0P
25	1 3/8"	1 3/8"	1 1/16"	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	71R1325	RD-5-7809-0P
30	1 3/8"	1 3/8"	1 1/16"	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	71R1300	RD-5-5874-0P
35	1 3/8"	1 3/8"	1 1/16"	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	71R1330	RD-5-7192-0P



71R1300 RD-5-5874-0P

Current Rating: 30 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2 3/8"
Mounting: 7/16", 28 thread



71R1315 RD-5-6714-0P

Current Rating: 20 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2 3/8"
Mounting: 7/16", 28 thread



71R1325 RD-5-7809-0P

Current Rating: 25 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2 3/8"
Mounting: 7/16", 28 thread



71R1310 RD-5-6602-0P

Current Rating: 15 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2 3/8"
Mounting: 7/16", 28 thread



71R1320 RD-5-7807-0P

Current Rating: 5 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2 3/8"
Mounting: 7/16", 28 thread



71R1330 RD-5-7192-0P

Current Rating: 35 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2 3/8"
Mounting: 7/16", 28 thread

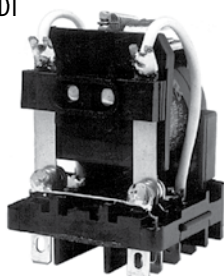


TWIN TEMPERATURE RELAYS

Amps	Length	Width	Height	Dimension	Speed Contact	Voltage Rating	Rating	Rating	Part No.	Factory No.
10	1 7/16"	1 1/4"	2"	NA	8, DPDT	NA	12V	Pull-in: 9.0 V Max. Drop Out: 1.2V 120 ohms, Socket Mount, 3/16" blade term.	71R1652	RD-4370-0P
5	1 5/8"	1 1/4"	1 7/8"	NA	8, DPDT	NA	24V	99K ohm resistance coil, socket mount	71R1654	RD-5-4287-0P

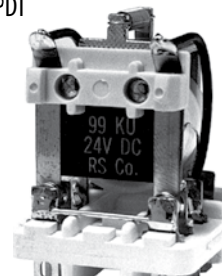
71R1652 RD-4370-0P

12V Relay, 8 Terminal, DPDT



71R1654 RD-5-4287-0P

24V Relay, 8 Terminal, DPDT



RESISTORS

Ohms	Length	Width	Height	Hole to Hole Dimension	Terminal Contact	Voltage Speed	Rating	Description	Part No.	Factory No.
1.5	2 1/4	1 1/2	1	1 3/4	3	3	12V	Pos 1 to 3: 9 amps @ .50 ohms Pos 1 to 2: 4 amps @ 1.5 ohms	71R1450	RD-5-3647-0P
N/A	2 1/4	1 1/2	1 3/16	1 3/4	4	4	12V	IHC # 506552C1, 1/4" Spade Term	71R1460	RD-5-9916-0P
N/A	3	1 1/4	1 1/4	2 1/2	3	3	12V	.10" thick Bakelite base, 1/4" Spade Term	71R1457	RD-5-10341-0P
1.3	3 1/4	1 3/8	1 3/8	2 3/4	4	4	12V	.10" thick Bakelite base, 1/4" Spade Term	71R1455	RD-5-6450-0P
N/A	N/A	N/A	N/A	N/A	3	3	12V	.10" thick Bakelite base, 1/4" Spade Term	71R1463	RD-5-10441-0P
N/A	N/A	N/A	N/A	N/A	N/A	N/A	12V	.10" thick Bakelite base, 1/4" Spade Term	71R1465	RD-5-8923-0P

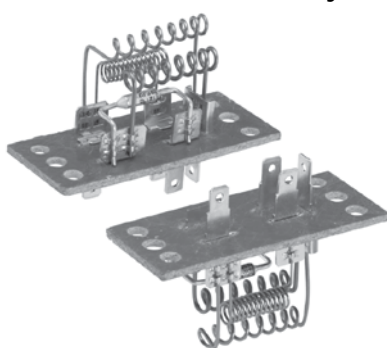
71R1450 RD-5-3647-0P

3 Terminals (1/4" blade) / 3 Speeds
Bakelite base: 2 1/4" x 1 1/2" x .10" thick – Height: 1"



71R1457 RD-5-13239-0P

3 Terminals (1/4" blade) / 3 Speeds
Bakelite base: 3" x 1 1/4" x .10" thick – Height: 1 1/4"



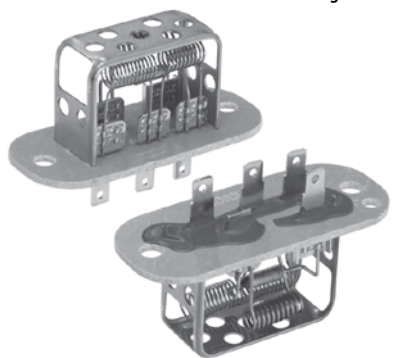
71R1465 RD-5-8923-0P

3 Terminals (1/4" blade) / 3 Speeds
Bakelite base: .10" thick



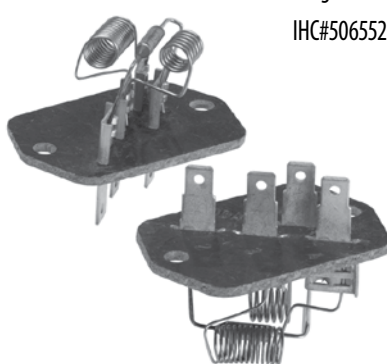
71R1455 RD-5-6450-0P

4 Terminals (1/4" blade) / 4 Speeds
Bakelite base: 3 1/4" x 1 3/8" x .10" thick – Height: 1 3/8"



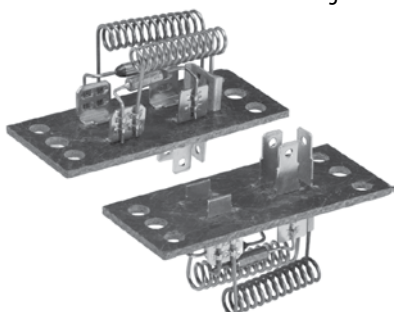
71R1460 RD-5-9916-0P

4 Terminals (1/4" blade) / 4 Speeds
Bakelite base: 2 1/4" x 1 1/2" x .10" thick – Height: 1 3/16"
IHC#506552C1



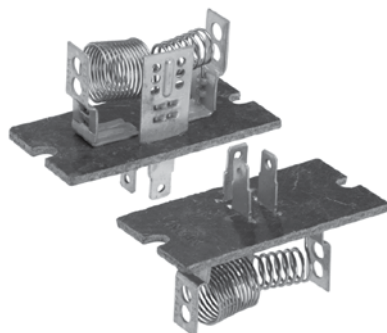
71R1457 RD-5-10341-0P

3 Terminals (1/4" blade) / 3 Speeds
Bakelite base: 3" x 1 1/4" x .10" thick – Height: 1 1/4"



71R1463 RD-5-10441-0P

3 Terminals (1/4" blade) / 3 Speeds
Bakelite base: .10" thick



RESISTORS

FAN RESISTORS

Ohms	Length	Dia.	Height	Hole to Hole Dimension	Terminal Contact	Speed	Voltage Rating	Description	Part No.	Factory No.
2.36	6 1/2	1 3/16	1 3/16	N/A	4	Variable	12V	Fan Resistor, Ceramic (Black wrapped). 1/4" Spade Term. JD Crawler 650H	71R1485	RD-5-8665-0P
5.22	7	1 1/4	2 3/4	6	4	Variable	24V	Fan Resistor, Ceramic (White), L Bracket 1/4" Spade Term. JD Crawler 700H	71R1480	RD-5-9062-0P
N/A	2	2 1/32 width	1 3/16	N/A	2	Variable	12V	Slide Potentiometer with Diode, Lever style. Packard connector 2984528	71R1510	RD-6-4661-0P
10K	N/A	1	1 1/2 with knob	N/A	5	Variable	12V	Rotary Potentiometer with Diode. 56 Series 1/4" Spade Receptacle	71R1520	RD-6-4691-0P

**71R1480** RD-5-9062-0P

4 Terminals (1/4" blade) /
Variable Speed 24 volt, 5.22 ohm,
Length: 7",
Diameter: 1 1/4",
Mounting
Height: 2 3/4",
Ceramic (white)
JD Crawler
Dozer 700H

**71R1485** RD-5-8665-0P

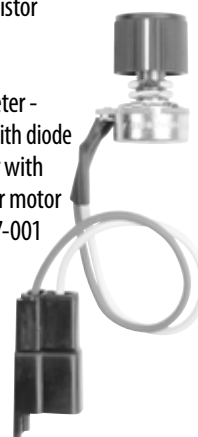
4 Terminals (1/4" blade) /
Variable Speed 12 volt, 2.36 ohm,
Length: 6 1/2",
Diameter: 1 3/16",
Ceramic
(black wrapped)
JD Crawler
Dozer 650H

**71R1510** RD-6-4661-0P

Variable resistor
assembly, sliding
potentiometer
with lever
Two Contacts
Length: 2",
Diameter: 2 1/32",
Height: 1 3/16",

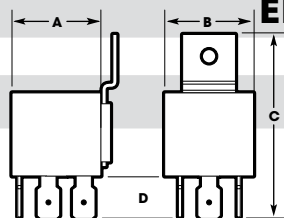
**71R1520** RD-6-4691-0P

Variable resistor
assembly,
Rotary
potentiometer -
10k ohms with diode
Freightliner with
Behr blower motor
#A06-21497-001



ELECTRICAL SWITCHES

RELAYS



Listed in ascending order by dimension:

A=Base length B=Base width C=Overall length D= Blade length

Dimensions				Rating/Description	Terminals		Type	Red Dot Part No.	Factory No.
A	B	C	D		Pole	#			
1 1/8	13/16	1 5/8	1/4	Contact Rating: 15 amps @ 30 VDC. 12V	NA	8	1/4 male blade	71R1802	RD-5-5027-1P
1 1/8	1	1.91	1/2	Make/Break: 30/20 amps. 12V	SPST	5	1/4 male blade	71R1702	RD-5-4408-0P
1 1/8	1	2.05	1/2	Make/Break: 20/10 amps. 24V	SPDT	5	1/4 male blade	71R1704	RD-5-4417-0P
1 1/8	1 1/8	2 15/32	1/2	Make/Break: 40/30 amps. 12V Relay w Diode	SPST	5	1/4 male blade	71R1722	RD-5-9915-0P
1 3/8	1 3/8	1 7/16	1/2	12V, 5 contact spade connector. For Metripak connection.	NA	5	1/4 male blade	71R1910	RD-5-8210-0P
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: Open, 50 amps, closed 30 amps, 12V	NA	5	1/4 male blade	71R1902	RD-5-6690-0P
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: Open, 20 amps, closed 15 amps, 24V	NA	5	1/4 male blade	71R1904	RD-5-6693-0P
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: Open, 40 amps, closed 30 amps, 12V	SPST	5	1/4 male blade	71R1912	RD-5-7232-0P
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: 30 amps, 24V	SPST	5	1/4 male blade	71R1914	RD-5-7233-0P
NA	NA	NA	NA	Contact Rating: 30 amps, 12V, GM / IHC-Navistar	SPDT	5	1/4 male blade	71R1922	RD-5-10154-0P

71R1702 RD-5-4408-0P12V Relay, 20/10 amps,
SPDT, 5 terminals Bosch type**71R1704** RD-5-4417-0P24V Relay, 20/30 amps,
SPST, 5 terminals Bosch type**71R1722** RD-5-9915-0P12V Relay with Diode 40/30 amps,
SPST, 5 terminals**71R1802** RD-5-5027-1P12V Relay, 15 amps,
8 terminals**71R1902** RD-5-6690-0P12V Relay, 50/30 amps,
5 terminals**71R1904** RD-5-6693-0P24V Relay, 20/15 amps,
5 terminals**71R1910** RD-5-8210-0PRelay Connector Kit – For Metra Pack Relays, 12
volt, 5 terminals**71R1912** RD-5-7232-0P12V Relay with coil suppression, 40/30 amp,
SPST, 5 terminals**71R1914** RD-5-7233-0P24V Relay with coil suppression, 30 amps,
SPST, 5 terminals**71R1922** RD-5-10154-0P12V Relay GM/IHC, 30 amps
SPDT, 5 Terminals
IHC#447186C1

PUSH BUTTON SWITCH

71R0020 RD-5-6713-0P

Round Lighted Contact Button - 12VDC, SPST

**71R0030** RD-5-8459-0PAC Compressor Switch SPST, 6 amps,
1" square button, 1 3/8" frame**71R0040** RD-5-4283-0P3-Speed Fan Switch, 12 volt
Base: 1 1/8" x 2"
Length: 2 3/4"
1/4" Blade Connector

MICRO SWITCH

71R1610 RD-5-8490-0P8 amp, 12 volt, SPDT, 2 Terminal
Normally Open
Base: 1 1/4" x 5/8" x 5/8"**71R1620** RD-5-10590-0P

15 amp, 12 volt, DPDT, 3 Terminal



DIODE

71R1900 RD-5-4216-0P

Used on R-6100 & R-6160



ROTARY ACTUATORS

Compact electronic actuators for mode door, blend air door, air distribution, and water valve actuation. **12 and 24 Volts DC****71R3572** RD-5-13605-0P

Servo Actuator, 126° maximum travel

**71R3576** RD-5-9063-0P

Servo Actuator - Sealed, 126° maximum travel

**71R3574** RD-5-13604-0P

Two Position Actuator, 140° maximum travel

**71R3578** RD-5-9021-0P

Feedback Actuator, 130° maximum travel

**71R3579** RD-5-13540-0PServo Actuator, 104° maximum travel
D label (red) Peterbilt OE#P93CAA0200-01S**71R3570** RD-3-6038-0MNylon Rod Adapter
Dimensions: 15/32" x 3/8" x 5/8" depth

UNIVERSAL SEALED ACTUATOR

71R3577 RD-5-12450-0PUniversal, 12 Volt or 24 Volt
Mounts in same position as many OE actuators
Sealed unit, no worry of corrosion
Control signal by linear voltage or PWM
(pulse with modulation)
input 4 pin Duetz sealed
connection 104°
maximum travel

CONTROL SWITCHES, ELECTRICAL LIGHTING & CONDUIT LOOM**CTC CIRCUIT BOARD****71R3502****RD-6-4797-0P**

12 Volt, 30k ohm Thermistor blower speed control switch

**71R3504****RD-6-4797-1P**

24 Volt, 30k ohm Thermistor blower speed control switch

**LAMP ASSEMBLIES****71R1252****RD-5-4900-0P**

12 Volt

**71R1262****RD-5-8535-0P**

12 Volt

**71R1254****RD-5-4900-24P**

24 Volt

**71R1264****RD-5-8535-24P**

24 Volt

**WIRE LOOM CONDUIT****79R0125****RD-5-9569-96P**

0.250 inside diameter black wire loom conduit

79R0138**RD-5-5904-96P**

0.375 inside diameter black wire loom conduit

79R0150**RD-5-5905-96P**

0.500 inside diameter black wire loom conduit

**79R0225****RD-5-7357-96P**

0.250 inside diameter gray wire loom conduit

79R0241**RD-5-5662-96P**

0.413 inside diameter gray wire loom conduit

79R0250**RD-5-7171-96P**

0.500 inside diameter gray wire loom conduit

79R0258**RD-5-5908-96P**

0.625 inside diameter gray wire loom conduit

CONTROL PANELS

CONTROLS FOR A/C ONLY AND HEATER A/C

Unit Number	Control Panel	71R5212 RD-3-3751-1P	71R5600 RD-3-9379-0P	71R5605 RD-3-9379-1P	71R5122 RD-3-13609-0P	71R5812 RD-6-5452-0P	71R5814 RD-6-5524-0P	71R5815 RD-2-6169-0P
R-1630-1P		✓	✓	✓	✓			
R-2300-0P								✓
R-2300-0-24P								✓
R-2300-2P		✓	✓	✓				
R-2300-2-24P		✓	✓	✓				
R-2550-0P		✓	✓	✓		✓		
R-4122-9P	✓							
R-5040-4P		✓	✓	✓		✓		
R-5040-6P		✓	✓	✓			✓	
R-9520-0P		✓	✓	✓		✓		
R-9520-0-24P		✓	✓	✓			✓	

CONTROLS FOR HEATER-ONLY

Unit Number	Control Panel	71R5817 RD-1-3659-0P	71R5819 RD-1-3660-0P	71R5821 RD-1-3661-0P	71R5823 RD-1-3662-0P
R-254-0P			✓		
R-254-0-24P			✓		
R-254-4P			✓		
R-255-0P			✓		
R-255-0-24P			✓		
R-255-4P			✓		
R-270-0P			✓		
R-270-0-24P			✓		
R-290-0P				✓	✓
R-290-0-24P				✓	✓
R-290-1-24P				✓	✓
R-290-4P				✓	✓
R-290-4-24P				✓	✓
R-295-0P				✓	✓
R-295-0-24P				✓	✓
R-295-4P				✓	✓
R-2020-0P	✓				
R-2300-1P				✓	✓
R-2300-1-24P				✓	✓
R-4013HP			✓		
R-5040-0P				✓	✓
R-5040-2P				✓	✓
R-6130-1P			✓		
R-6130-0P			✓		

ORDERING INFORMATION

These control designs provide a custom look by mounting into an existing control panel or the wall and flush with the interior lining.

71R5212 RD-3-3751-1P

Heater-A/C Control - Three-speed motor switch with Red Dot Twin Temp™ Control



71R5600 RD-3-9379-0P

Three-speed motor switch - includes manual water valve control



71R5605 RD-3-9379-1P

Three-speed motor switch - includes electronic water valve control



71R5122 RD-3-13600-0P

Three-speed motor switch - includes A/C switch and electronic water valve



71R5812 RD-6-5452-0P

Automatic Temperature Control - 12 volt (see next page for details)



71R5814 RD-6-5524-0P

Automatic Temperature Control - 24 volt (see next page for details)



71R5815 RD-2-6169-0P

Three-speed motor switch with A/C Switch



71R5817 RD-1-3659-0P

Heater control - Single speed motor switch with manual water valve control



71R5819 RD-1-3660-0P

Heater control - Two-speed motor switch with manual water valve control



71R5821 RD-1-3661-0P

Heater control - Three-speed motor switch with manual water valve control



71R5823 RD-1-3662-0P

Heater Control - Three-speed motor switch with electronic water valve



MAIN CAB CONTROLS – AUTOMATIC TEMPERATURE CONTROL (ATC)

The Automatic Temperature Control (ATC) is the latest in Red Dot control technology. ATC can be used in a myriad of applications offering sophisticated control technology. Check with your Red Dot Distributor regarding your particular application.

The ATC package includes:

- Touch pad controller
- Infinite fan speed manual control or Automatic fan speed control
- Electric water valve control
- Outside air temperature sensor
- Evaporator temperature sensor
- Duct outlet air sensor
- Cab temperature set point
- On board diagnostics
- Versatile mounting
- Solid state circuitry
- Dimensions: 7" x 2"

**71R5812**

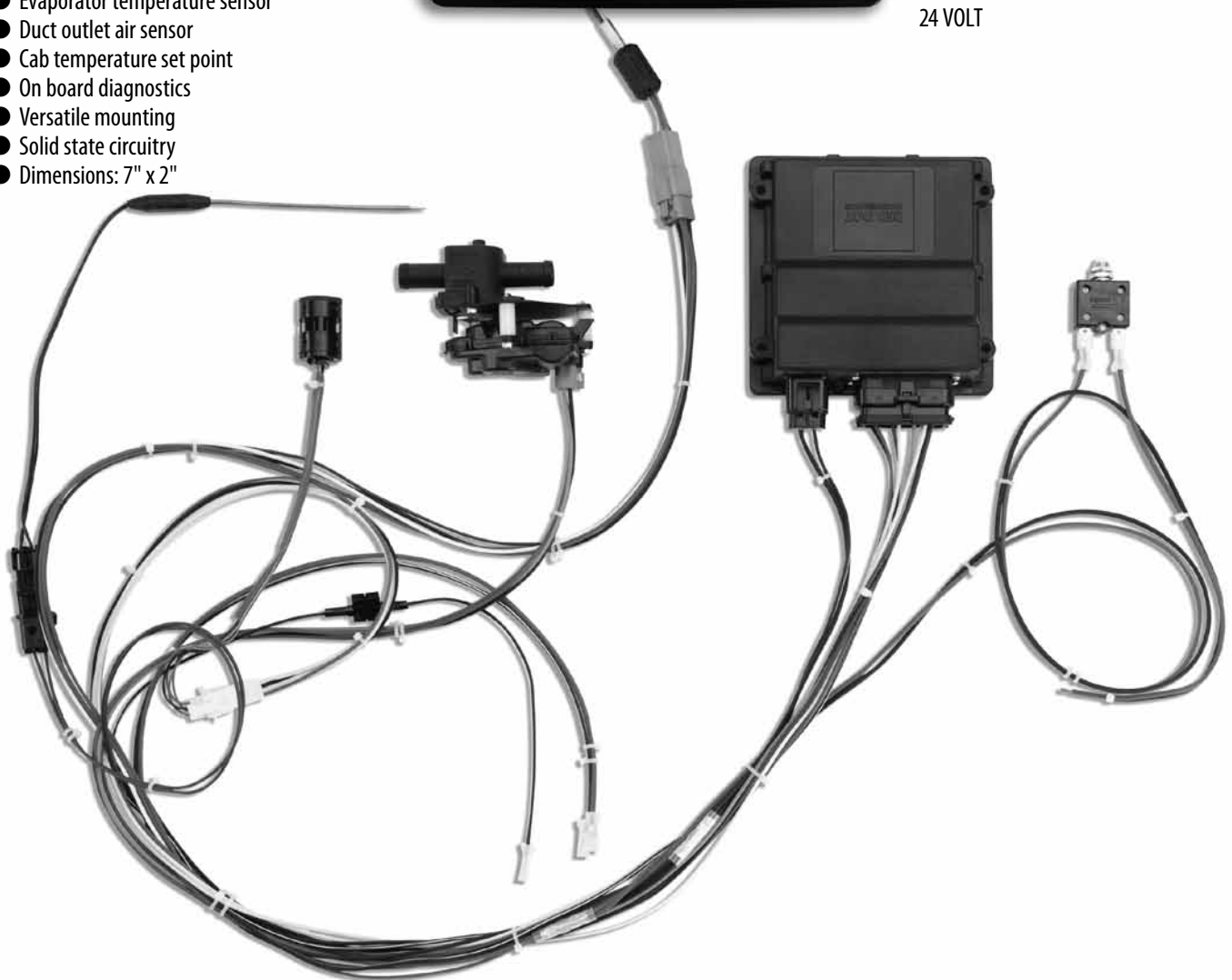
RD-6-5452-0P

12 VOLT

71R5814

RD-6-5524-0P

24 VOLT



ELECTRICAL CONNECTOR ASSEMBLY KIT

Plugs for Compressor Clutches, Blower Motors, Switches, Relays, Heater A/C Units, Actuators and more!

79R3532

RD-5-11966-0P

Finally, a kit to fit that hard to find plug assembly with the right housing, terminal, seal, and lock that looks and fits like the sealed OE connector.



Here's what you get:

RED DOT ELECTRICAL CONNECTOR ASSEMBLY KIT							
RD-5-3992-0M Connector - Male Bullet Sealed 1 contact 14-16 Gauge SHOWN ACTUAL SIZE	RD-5-10424-0M Connector - Male Bullet Sealed 1 contact 12 gauge SHOWN ACTUAL SIZE	RD-5-3977-0M Receptacle - Spade Sealed 1 contact 14-16 gauge SHOWN ACTUAL SIZE	RD-5-5077-0M Seal - Blue Weatherpak, Metripak 12 gauge SHOWN ACTUAL SIZE	RD-5-6061-0M Lock Metripak TPA Blue SHOWN ACTUAL SIZE	RD-5-5076-0M Housing - Connector 2 Contact Female Weatherpak Tower SHOWN 60% OF ACTUAL SIZE	RD-5-5989-0M Housing - Connector 2 Contact Male Metripak 280 SHOWN 60% OF ACTUAL SIZE	RD-5-8778-0M Housing-Connector - 1 Contact Male Metripak 280 HD SHOWN 60% OF ACTUAL SIZE
RD-5-4438-0M Receptacle - Bullet Sealed 1 contact 14-16 Gauge (0.156 dia.) SHOWN ACTUAL SIZE	RD-5-5746-0M Receptacle - Bullet Sealed 1 contact 12 Gauge (0.180 dia.) SHOWN ACTUAL SIZE	RD-5-3979-0M Connector - Male Spade Sealed 1 contact 14-16 gauge SHOWN ACTUAL SIZE	RD-5-5988-0M Seal - Gray Weatherpak, Metripak 14-18 gauge SHOWN ACTUAL SIZE	RD-5-8635-0M Lock Metripak TPA Valve, Paccor, Case OEM Black SHOWN ACTUAL SIZE	RD-5-5076-0M Housing - Connector 2 Contact Female Weatherpak Tower SHOWN 60% OF ACTUAL SIZE	RD-5-5989-0M Housing - Connector 2 Contact Male Metripak 280 SHOWN 60% OF ACTUAL SIZE	RD-5-8778-0M Housing-Connector - 1 Contact Male Metripak 280 HD SHOWN 60% OF ACTUAL SIZE
RD-5-5074-0M Terminal - Male Weatherpak 280 8-pin with Blade End 14 gauge SHOWN ACTUAL SIZE	RD-5-5990-0M Terminal - Male Metripak 280 with Blade End 14 gauge SHOWN ACTUAL SIZE	RD-5-6191-0M Terminal - Male with Pin End 14-16 gauge SHOWN ACTUAL SIZE	RD-5-8231-0M Terminal - Male Metripak 280 with Flat Pin End 14 gauge SHOWN ACTUAL SIZE	RD-5-9081-0M Lock - Push-in HD Caterpillar OEM Green SHOWN ACTUAL SIZE	RD-5-5660-0M Housing - Connector Male Weatherpak HD Shroud, BNC SHOWN 60% OF ACTUAL SIZE	RD-5-6318-0M Housing - Connector Female Flat MicroPack 100 6 conductor SHOWN ACTUAL SIZE	RD-5-9080-0M Connector-Housing 2 Contact Female HD Caterpillar OE SHOWN 60% OF ACTUAL SIZE
RD-5-5078-0M Terminal - Female Weatherpak with Barrel End 14 gauge SHOWN ACTUAL SIZE	RD-5-5992-0M Terminal - Female 280 Series with Square End 14 gauge SHOWN ACTUAL SIZE	RD-5-6317-0M Terminal - Female Micro-Pack 100 1 contact SHOWN ACTUAL SIZE	RD-5-9017-0M Terminal - Female Metripak 280 with Square Tang 14 gauge SHOWN ACTUAL SIZE	RD-5-3975-0M Terminal - Female "56 Series" Spade Receptacle 14 gauge SHOWN ACTUAL SIZE	RD-5-5661-0M Housing - Connector 1 Contact Female Weatherpak Tower SHOWN 60% OF ACTUAL SIZE	RD-5-8591-0M Housing - Connector 3 Contact Male Weatherpak Shroud SHOWN 60% OF ACTUAL SIZE	RD-5-4693-0M Connector-Housing 5 Contact Male Spade Switch Body SHOWN 60% OF ACTUAL SIZE
CONNECTORS / RECEPTACLES	TERMINALS	SEALS	LOCKS	HOUSINGS			

Use the RD# numbers to order replacement parts. Login to www.delphi.com with your password. For additional Electrical Connector Assembly Kits order RD-5-11966-0P

ELECTRICAL CONNECTOR ASSEMBLY TOOL KIT

The perfect companion to Red Dot's Connector Assembly Kit, these are the only tools you'll need to assemble all of the connectors shown above.

79R3535

RD-5-12140-0P



RD-5-12137-0P

RD-5-12136-0P

RD-5-12134-0P

RD-5-12135-0P

RD-5-12138-0P

RD-5-12139-0P

THERMOSTATS

THERMOSTAT SPECIFICATIONS

Listed in ascending order by Capillary Length

Capillary Length	Temperature Range [°F]	Clutch Cycle Range	Mount Hole Spacing	Description/Notes	Red Dot Part No.	Factory No.
ROTARY (VARIABLE)						
18"	28° - 62°	6°	—	Variable	71R2100	RD-5-4909-0P
27"	34° - 52°	5°	—	Variable	71R2310	RD-4172-0P
36"	34° - 52°	5°	—	Variable	71R2250	RD-4125-36P
48"	34° - 52°	5°	—	Variable	71R2300	RD-4125-48P
66"	34° - 52°	5°	—	Variable	71R2400	RD-4125-66P
73"	35° - 44°	5°	—	Variable	71R2305	RD-5-11029-0P
N/A	60° - 92°	5°	—	Bimetal, + on, + off w air auxillary activation circuit, twin temp bunk-control	71R2500	RD-4430-0P

**CABLE CONTROLLED**

18"	26° - 66°	8°	2 3/16	Variable	71R2600	RD-5-4911-0P
30"	34° - 54°	5°	2 15/16	Variable	71R2700	RD-4226-0P
32"	25° - 75°	5°	2 1/8	Optional side mount	71R2605	RD-5-10156-0P
43"	30° - 62°	10°	2 15/16	Variable	71R2800	RD-5-4917-0P

PRESET (FIXED) SETTING

12"	31° - 40°	8°	—	Flange base with optional side mount	71R3160	RD-5-8938-0P
16"	28° - 35°	7°	—	Flange base with optional side mount	71R3150	RD-5-6429-0P
18"	28° - 35°	7°	—	Flange base mount	71R3155	RD-5-10736-0P
21"	31° - 40°	-	—	Flange base with optional side mount	71R3220	RD-5-10335-0P
24"	31° - 39°	8°	2 1/4	Flange base with optional side mount	71R3200	RD-5-4531-24P
24"	34° - 38°	5°	2 1/8	Flange base mount	71R3100	RD-4427-24P
24"	34° - 44°	9°	2 3/4	Flange base mount, 12V 5 amps, electronic	71R3250	RD-5-7364-0P
25"	34° - 44°	8°	2 3/16	Flange base mount	71R3300	RD-5-8257-0P
32"	31° - 39°	-	2 1/8	Flange base with optional side mount	71R2200	RD-5-11031-0P
33"	40° - 85°	5°	2 3/16	Flange base with optional side mount	71R3125	RD-5-8377-0P

ROTARY (VARIABLE) THERMOSTATS

71R2100

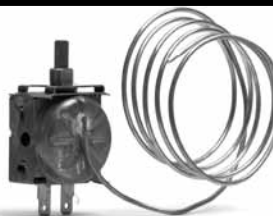
RD-5-4909-0P

Capillary Length: 18"
Type: Variable
Temp. Range: 28° - 62°F
Clutch Cycle Range: 6°F

**71R2300**

RD-4125-48P

Capillary Length: 48"
Type: Variable
Temp. Range: 34° - 52°F
Clutch Cycle Range: 5°F

**71R2250**

RD-4125-36P

Capillary Length: 36"
Type: Variable
Temp. Range: 34° - 52°F
Clutch Cycle Range: 5°F

**71R2305**

RD-5-11029-0P

Capillary Length: 73"
Type: Variable
Temp. Range: 35° - 44°F



ROTARY (VARIABLE) THERMOSTATS

71R2310**RD-4172-0P**

Capillary Length: 27"
 Type: Variable
 Temp. Range: 34°- 52°F
 Clutch Cycle Range: 5°F

**71R2400****RD-4125-66P**

Capillary Length: 66"
 Type: Variable
 Temp. Range: 34°- 52°F
 Clutch Cycle Range: 5°F

**71R2500****RD-4430-0P**

Capillary Length: N/A
 Type: Air
 Temp. Range: 60°- 92°F
 Clutch Cycle Range: 5°F



Bimetal, positive on, positive off,
 adjustable setting approximately
 60 to 80% used in Twin Temp™
 bunk control rotary control

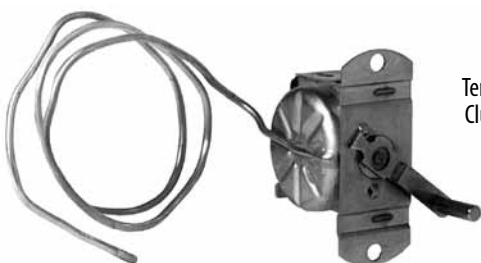
* With auxiliary circuit to activate motor in rooftop condenser.
 Variable temperature-rotary control, 27" capillary



CABLE CONTROLLED THERMOSTATS

71R2600**RD-5-4911-0P**

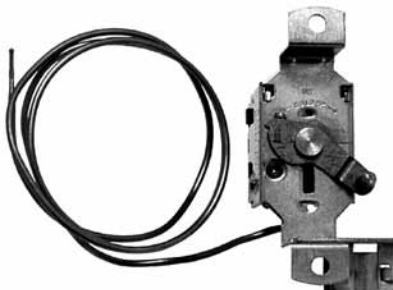
Hole spacing: 2 3/16"
 Capillary Length: 18"
 Type: Variable
 Temp. Range: 26°- 66°F
 Clutch Cycle Range: 8°F

**71R2605****RD-5-10156-0P**

Hole spacing: 2 1/4"
 Capillary Length: 32"
 Type: Variable
 Temp. Range:
 25°- 75°F
 Clutch Cycle
 Range: 5°F

**71R2700****RD-4226-0P**

Pull for cold variable temp. Mounting hole spacing 2 15/16"
 Capillary Length: 30"
 Type: Variable
 Temp. Range: 34°- 54°F
 Clutch Cycle Range: 5°F

**71R2800****RD-5-4917-0P**

Pull for warm variable temperature Mounting hole spacing 2 15/16"
 Capillary Length: 43"
 Type: Variable
 Temp. Range: 30°- 62°F
 Clutch Cycle Range: 10°F
 IHC #581691C1



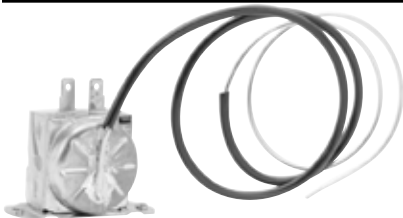
PRESET (FIXED) SETTING THERMOSTATS

71R2200
RD-5-11031-0P


Mounting hole spacing: 2 1/4"
Capillary Length: 32"
Type: Fixed
Temp. Range: 31°- 39°F

71R3100
RD-4427-24P


Mounting hole spacing: 2 1/4"
Capillary Length: 24"
Type: Fixed
Temp. Range: 34°- 38°F
Clutch Cycle Range: 5°F

71R3125
RD-5-8377-0P


Mounting hole spacing: 2 3/16"
Capillary Length: 33"
Type: Fixed
Temp. Range: 40° - 85°F
Clutch Cycle Range: 5°F

71R3150
RD-5-6429-0P


Capillary Length: 16"
Type: Fixed
Temp. Range: 28°- 35°F
Clutch Cycle Range: 7°F

71R3155
RD-5-10736-0P


Capillary Length: 18"
Type: Fixed
Temp. Range: 28°- 35°F
Clutch Cycle Range: 7°F

71R3160
RD-5-8938-0P


Capillary Length: 12"
Type: Fixed
Temp. Range: 31°- 40°F
Clutch Cycle Range: 8°F

71R3200
RD-5-4531-24P


Mounting hole spacing: 2 1/4"
Capillary Length: 24"
Type: Fixed (side mount)
Temp. Range: 31°- 39°F
Clutch Cycle Range: 8°F

71R3220
RD-5-10335-0P


Mounting hole spacing: 2 1/4"
Capillary Length: 21"
Type: Fixed (side mount)
Temp. Range: 31°- 40°F

71R3250
RD-5-7364-0P


LS Mounting hole spacing: 2 3/4"
Capillary Length: 24"
Type: Fixed (Electronic 12v, 5 amps)
Temp. Range: 34°- 44°F
Clutch Cycle Range: 9°F

71R3300
RD-5-8257-0P


Mounting hole spacing: 2 3/16"
Capillary Length: 25"
Type: Fixed
Temp. Range: 34°- 44°F
Clutch Cycle Range: 8°F

PRESSURE SWITCH SPECIFICATIONS

Listed in ascending order by open pressure

NORMALLY OPEN (Opens at low pressure - closes at high pressure)

Open	Close	Fitting	Connector	Red Dot No. Part No.	Red Dot Factory No.
LOW PRESSURE (± 5 psi)					
11	39	1/4" Female Flare	2 conductor bare wire for 2 Packard connectors	71R6115	RD-5-6639-0P
11	42	1/4" Female Flare	2 conductor bare wire for 2 Packard connectors	71R6060	RD-5-5877-0P
15	35	1/4" Female Flare	2 conductor bullet male & female receptacle	71R6040	RD-5-6395-0P
15	35	1/4" Female Flare	2 conductor male Weatherpak	71R6045	RD-5-6395-1P
15	35	7/16" Female Flare	2 conductor wire to male/female Spade plugs (white)	71R6135	RD-5-7038-0P
23	47	M12 x 1.5 Female	Integral prong connection, Packard 12052643 (beige), black port	71R6170	RD-5-8219-0P
25	45	1/8" Male Thread	2 conductor integral prong connection	71R6257	RD-5-10444-0P
25	46	1/4" Female Flare	Integral prong connection, for Ford accum cycling switch	71R6095	RD-5-8026-0P
25	50	1/4" Female Flare	2 conductor Metripak	71R6055	RD-5-8982-0P
32	42	1/4" Female Flare	2 conductor bare wire for 2 Packard connectors	71R6030	RD-5-4833-0P
32	42	1/4" Female Flare	2 conductor Metripak	71R6125	RD-5-8946-0P
32	42	1/4" Female Flare	2 conductor male Weatherpak	71R6130	RD-5-6834-0P
N/A	N/A	1/4" Female Flare	Cycling Switch, Ford F5VY-19E561A	71R6255	RD-5-10443-0P
HIGH PRESSURE (± 5 psi)					
100	250	1/4" Female Flare	2 conductor female Packard boot connector	71R6090	RD-5-6396-0P
170	215	1/4" Female Flare	2 conductor female Weatherpak, Pckrd #20PS39-38	71R6080	RD-5-6394-0P
174	260	1/4" Female Flare	2 conductor male Weatherpak	71R6220	RD-5-8288-0P
190	250	1/4" Female Flare	2 conductor bare wire for Packard connectors	71R6100	RD-5-4912-0P
190	250	M10 x 1.25 Female	2 conductor Metripak - Fan Override	71R6185	RD-5-10096-0P
190	250	1/4" Female Flare	2 conductor Metripak - Fan Override	71R6140	RD-5-6835-0P
200	270	M10 x 1.25 Female	Integral 2 prong, #P93CAA-3606-01 - Fan Override	71R6160	RD-5-8218-0P
210	300	1/4" Female Flare	2 conductor male Weatherpak, IHC#1514307-C1, 20PS3937	71R6110	RD-5-6430-0P
210	300	M10 x 1.25 Female	2 conductor female Weatherpak (green)	71R6245	RD-5-10097-0P
250	375	1/4" Female Flare	2 conductor wire to male/female Packard plugs	71R6230	RD-5-8289-0P



NORMALLY CLOSED (Opens at high pressure - closes at low pressure)

Open	Close	Fitting	Connector	Red Dot No. Part No.	Red Dot Factory No.
LOW PRESSURE (± 5 psi)					
30	7	1/4" Female Flare	2 conductor wire to male/female Packard plugs	71R6020	RD-5-6397-0P
35	5	M12 x 1.5 Female	Integral prong connection	71R6183	RD-5-10167-0P
46	23	M12 x 1.5 Female	Integral prong connection, for Ford accum cycling switch	71R6093	RD-5-10442-0P
HIGH PRESSURE (± 5 psi)					
300	250	M10 x 1.25 Female	2 conductor male Weatherpak	71R6210	RD-5-8287-0P
330-370	180-240	M10 x 1.25 Female	Integral prong connection, Packard #18-038535 (purple)	71R6180	RD-5-8220-0P
340	210	1/4" Female Flare	2 conductor bare wire for 2 Packard connectors	71R6070	RD-5-5873-0P
340	210	1/4" Female Flare	2 conductor male Weatherpak (red)	71R6120	RD-5-6833-0P
375	205	M10 x 1.25 Female	Integral prong connection, IHC#1676787C1	71R6181	RD-5-10166-0P

71R SERIES

PRESSURE SWITCHES

71R6020

RD-5-6397-0P

Type: Low Side

Fitting / Connector: 1/4" female flare / two-conductor Packard male/female
Normally Closed – Closes at 7 PSI – Opens at 30 PSI



71R6030

RD-5-4833-0P

Type: Low Side

Fitting / Connector: 1/4" female flare

Normally Open – Closes at 42 PSI – Opens at 32 PSI



71R6040

RD-5-6395-0P

Type: Low Side

Fitting / Connector: 1/4" female flare / male bullet, female receptacle
Normally Open – Closes at 35 PSI – Opens at 15 PSI



71R6045

RD-5-6395-1P

Type: Low Side

Fitting / Connector: 1/4" female flare / two-conductor male Weatherpak
Normally Open – Closes at 35 PSI – Opens at 15 PSI



71R6055

RD-5-8982-0P

Type: Low Side

Fitting / Connector: 1/4" female flare / two-conductor Metripak
Normally Open – closes at 50 PSI, opens at 25 PSI



71R6060

RD-5-5877-0P

Type: Low Side

Fitting / Connector: 1/4" female flare / two conductor bare wire
Normally Open – Closes at 42 PSI – Opens at 11 PSI



71R6070

RD-5-5873-0P

Type: High Side

Fitting / Connector: 1/4" female flare / two conductor bare wire
Normally Closed – Closes at 210 PSI – Opens at 340 PSI



71R6080

RD-5-6394-0P

Type: High Side

Fitting / Connector: 1/4" female flare / two-conductor Metripak
Normally Open – Closes at 215 PSI – Opens at 170 PSI



71R6090

RD-5-6396-0P

Type: High Side

Fitting / Connector: 1/4" female flare / two-conductor female Packard
Normally Open – Closes at 250 PSI – Opens at 100 PSI



71R6093

RD-5-10442-0P

Type: High Side –

Ford Accumulator Cycling Switch

Fitting / Connector: M12 x 1.5 female

Normally Closed – Closes at 23 PSI – Opens at 46 PSI



71R6095

RD-5-8026-0P

Type: Low Side

Ford Accumulator Cycling Switch #E35H-19E561-AA

Fitting / Connector: 1/4" female flare

Normally Open – Closes at 46 PSI – Opens at 25 PSI



71R6100

RD-5-4912-0P

Type: High Side

Fitting / Connector: 1/4" female flare / two conductor bare wire
Normally Open – Closes at 250 PSI – Opens at 190 PSI



71R6110

RD-5-6430-0P

Type: High Side –
Normally Open –
Fitting / Connector: ¼" female flare / two-conductor male Weatherpak
Closes at 300 PSI – Opens at 210 PSI



71R6115

RD-5-6639-0P

Type: Low Side
Fitting / Connector: ¼" female flare / two conductor bare wire
Normally Open – Closes at 39 PSI – Opens at 11 PSI



71R6120

RD-5-6833-0P

Type: High Side – Red
Fitting / Connector: ¼" female flare / two-conductor male Weatherpak
Normally Closed – Closes at 210 PSI – Opens at 340 PSI



71R6125

RD-5-8946-0P

Type: Low Side
Fitting / Connector: ¼" female flare / two-conductor Metripak
Normally Open – Closes at 42 PSI – Opens at 32 PSI



71R6130

RD-5-6834-0P

Type: Low Side
Fitting / Connector: ¼" female flare / two-conductor male Weatherpak
Normally Open – Closes at 42 PSI – Opens at 32 PSI



71R6135

RD-5-7038-0P

Type: Low Side – White
Fitting / Connector: ¾" female flare / two-conductor female spade
Normally Open – Closes at 35 PSI – Opens at 15 PSI



71R6140

RD-5-6835-0P

Type: High Side – Fan Override
Fitting / Connector: ¼" female flare / two-conductor Metripak
Normally Open – Closes at 250 PSI – Opens at 190 PSI



71R6160

RD-5-8218-0P

Type: High Side – Fan Override – Gray
Fitting / Connector: M10 x 1.25 female / integral two-prong (oval)
Normally Open – Closes at 270 PSI – Opens at 200 PSI
Mating Plug: Packard #12052643



71R6170

RD-5-8219-0P

Type: Low Side – Beige housing, Black port
Fitting / Connector: M12 x 1.25 female / integral two-prong
Normally Open – Closes at 47 PSI – Opens at 23 PSI
Mating Plug: Packard #12052643



71R6180

RD-5-8220-0P

Type: High Side – Purple
Fitting / Connector: M10 x 1.25 female / integral two-prong (oval)
Normally Closed – Closes at 180-240 PSI – Opens at 330-370 PSI
Mating Plug: Packard #12052643



71R6181

RD-5-10166-0P

Type: Low Side – Black
Fitting / Connector: M12 x 1.5 female / integral two-prong (round)
Normally Closed – Closes at 5 PSI – Opens at 35 PSI
Mating Plug: Packard two-prong round



71R6183

RD-5-10167-0P

Type: High Side – Green
 Fitting / Connector: M10 x 1.25 female / integral two-prong (round)
 Normally Closed – Closes at 205 PSI – Opens at 375 PSI
 Mating Plug: Packard two-prong round



71R6185

RD-5-10096-0P

Type: High Side – Fan Override Switch
 Fitting / Connector: M10 x 1.25 female / two-conductor Metripak
 Normally Open – Closes at 250 PSI – Opens at 190 PSI



71R6210

RD-5-8287-0P

Type: High Side – Gray
 Freightliner OE# A22-45194-001
 Fitting / Connector: M10 x 1.25 female / two-conductor male Weatherpak
 Normally Closed – Closes at 250 PSI – Opens at 300 PSI



71R6220

RD-5-8288-0P

Type: High Side
 Fitting / Connector: 1/4" female flare / two-conductor male Weatherpak
 Normally Open – Closes at 260 PSI – Opens at 174 PSI



71R6230

RD-5-8289-0P

Type: High Side
 Fitting / Connector: 1/4" female flare / two-conductor Packard male/female
 Normally Open – Closes at 375 PSI – Opens at 250 PSI



71R6245

RD-5-10097-0P

Type: High Side – Green
 Fitting / Connector: M10 x 1.25 female / two-conductor male Metripak
 Normally Open – Closes at 300 PSI – Opens at 210 PSI



71R6255

RD-5-10443-0P

Type: Low Side – Green
 Fitting / Connector: 1/4" female flare / integral two-prong (round)
 Normally Open – Cycling Switch – Ford F5VY-19E561A
 Mating Plug: Packard two-prong round



71R6257

RD-5-10444-0P

Type: Low Side –
 Ford OE# F6RZ-19E561AA
 Fitting / Connector: 1/8" male thread / two-conductor integral prong
 Normally Open – Closes at 45 PSI – Opens at 25 PSI



PRESSURE SWITCHES

LOW PRESSURE CUTOFF SWITCH

71R6050

RD-4191-0P

$\frac{3}{8}$ "-24-UNF-2A male threads O-Ring
Normally open - closes at 27 PSIG.



HEAT SENSING SWITCH

71R6300

RD-4527-0P

High temperature safety
switch opens at 200°F
NOTE: Switch clamps
to $\frac{3}{8}$ " tube.

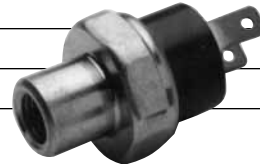


DUAL FUNCTION SWITCHES

71R7075

RD-5-8433-0P

	OPEN	CLOSED
LOW	± 2	28
HIGH	± 28	384

Thread: $\frac{7}{16}$ " - 20 UNF**71R7076**

RD-5-12840-0P

	OPEN	CLOSED
LOW	20	30
HIGH	384	57 - 114

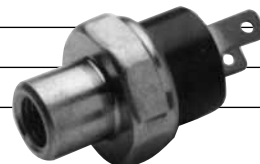
Thread: $\frac{7}{16}$ " - 20 UNF
Freightliner OE#22-36474

**71R7077**

RD-5-11169-0P

	OPEN	CLOSED
LOW	455	30
HIGH	28	370

Thread: M10 x 1.25
Freightliner OE#22-43249

**71R6150**

RD-5-9577-0P

	OPEN	CLOSED
LOW	20-33	23-37
HIGH	315-355	215-275

Heat switch - Thermal limiter GM R-12 F:
 $\frac{1}{4}$ " male spade (3) connectors



RED DOT BINARY™ PRESSURE SWITCHES

This switch assembly performs two distinct functions. The first function prevents the compressor from operating if system charge is lost or ambient temperature is too low. The second stops compressor if head pressure increases to unsafe levels. It automatically resets when pressure drops back to normal. Install Binary™ on liquid side of A/C system between condenser and expansion valve, for use with R-12 and R-134a.



ELECTRICAL

7 AMP Resistive
4 AMP Inductive
28 VOLT D.C. Maximum
2.50 Series Male Tab Terminals

BINARY™

E/C Connection end of BINARY™



Terminals 1 & 2

Controls Clutch

High/Low Pressure Protection

Terminal 1: To compressor clutch "compressor" black wire

Terminal 2: To thermostat "AC/Thermostat" black/white wire

	Opens	Closes
Low Pressure Protection	30 - 15 Psig (Falling Pressure)	40 PSIG Maximum (Rising Pressure)
High Pressure Protection	300 - 350 Psig (Rising Pressure)	210 - 250 Psig Below (Opening Pressure)

MOUNTING CONFIGURATION

71R7000

RD-5-4646-0P

3/8"-24 UNF-2A Male Thread With Bulkhead Type Seal Using a 2-012 "O" Ring.



71R7050

RD-5-4640-0P

7/16"-20 UNF-2B Female Thread For Installation On Male "Schrader" Type Valve.



RED DOT BINARY™ HARNESS

71R4511

RD-5-12151-2P

RED DOT BINARY™ boot (provides a molded 2 wire connection to Binary switch; lead wires are 28" long.) helps eliminate terminal corrosion and breakage.



RED DOT BINARY™ & HARNESS ASSEMBLY

71R7100

RD-5-6994-0P

LS Includes 71R7050 Binary™ Switch above and a 6", 2-conductor wire fitted with 1/4" male spade connectors.



RED DOT TRINARY™ PRESSURE SWITCHES - GENERATION II

This switch assembly performs three distinct functions. The first function prevents the compressor from operating if system charge is lost or ambient temperature is too low. The second stops compressor if head pressure increases to unsafe levels. It automatically resets when pressure drops back to normal. The third function is a shutter/fan override switch that keeps head pressure within normal range by opening shutters or operating engine fan to increase air flow across condenser when head pressure rises above set valve.

Install Trinary on liquid side of a/c system between condenser and expansion valve. For use with R-12 and R-134a systems.

ELECTRICAL

7 AMP Resistive
4 AMP Inductive
28 VOLT D.C. Maximum
2.50 Series Male Tab Terminals

TRINARY™

E/C Connection end of TRINARY™

**Terminals 1 & 2****Controls Clutch High/Low Pressure Protection**

Terminal 1: To compressor clutch "compressor" black wire

Terminal 2: To thermostat "AC/Thermostat" black/white wire

Terminals 3 & 4**Controls Fan Clutch or Shutters**

Terminal 3: To solenoid valve "override" yellow wire

Terminal 4: To ignition "DC power" orange wire

	OPENS	CLOSES
Low Pressure Protection	22.5 ± 7.5 PSIG (Descending Pressure)	40 Psig Maximum (Rising Pressure)
High Pressure Protection	325 ± 25 PSIG	230 ± 20 PSIG
Shutter Fan/Override	35 - 60 PSIG Below Closing Pressure	200 - 230 PSIG (Rising Pressure)

MOUNTING CONFIGURATION

71R7500**RD-5-4585-0P**

3/8" - 24 UNF-2A
Male thread with bulkhead seal, 2-012 O-Ring
Shutter/fan switch is normally open

**71R7600****RD-5-4620-0P**

3/8" - 24 UNF-2A
Male thread with bulkhead seal, 2-012 O-Ring
Shutter/fan switch is normally closed

**71R7550****RD-5-4583-0P**

7/16" - 20 UNF-2B
Female thread for male Schrader
Shutter/fan switch is normally open

**71R7650****RD-5-4625-0P**

7/16" - 20 UNF-2B
Female thread for male Schrader
Shutter/fan switch is normally closed



RED DOT TRINARY™ HARNESS

71R4501**RD-5-12150-0P**

TRINARY™ boot (provides a molded 4 wire connection to Trinary switch; lead wires are 28" long.) helps eliminate terminal corrosion and breakage.



CONTROL MODULE REPLACEMENTS

Sorted by OEM Number

OEM No.	Part No.	Factory Part No.	Connector	Function	Set point
20357741	71R6571	RD-5-11381-0P	10 pin	AC Ctrl APAds	CM-814 30 Sec. Volvo
20579810	71R6571	RD-5-11381-0P	10 pin	AC Ctrl APAds	CM-814 30 sec Volvo
20579815	71R6453	RD-5-11380-0P	10 pin	AC Ctrl APAds	CM-814 Std Volvo
228RD31	71R6565	RD-5-10352-0P	Deutsch (2)	AC Ctrl APAds	CM-813 ECM
228RD32	71R6563	RD-5-10772-0P	Deutsch (2)	AC Ctrl APAds	CM-813 ECM Mack
228RD33	71R6561	RD-5-10771-0P	Deutsch (2)	AC Ctrl APAds	CM-812 Visc-DD-AM
3099497	71R6576	RD-5-10860-0P	Deutsch (2)	AC Ctrl APAds	CM-812 Visc-DD-AM
3939313	71R6573	RD-5-10859-0P	Deutsch (2)	AC Ctrl APAds	CM-813 ECM Volvo
3939314	71R6578	RD-5-10861-0P	Deutsch (2)	AC Ctrl APAds	CM-813 Std Volvo
3939315	71R6566	RD-5-10855-0P	Deutsch (2)	AC Ctrl APAds	CM-813 30 Sec Volvo
8042103	71R6560	RD-5-10449-0P	Deutsch (2)	AC Ctrl APAds	CM-813 Std 3 min. Fan
8042105	71R6565	RD-5-10352-0P	Deutsch (2)	AC Ctrl APAds	CM-813 ECM
8042106	71R6578	RD-5-10861-0P	Deutsch (2)	AC Ctrl APAds	CM-813 Std Volvo
8042107	71R6573	RD-5-10859-0P	Deutsch (2)	AC Ctrl APAds	CM-813 ECM Volvo
8042108	71R6566	RD-5-10855-0P	Deutsch (2)	AC Ctrl APAds	CM-813 30 Sec. Volvo
8042114	71R6576	RD-5-10860-0P	Deutsch (2)	AC Ctrl APAds	CM-812 Visc-DD-AM
8042121	71R6563	RD-5-10772-0P	Deutsch (2)	AC Ctrl APAds	CM-813 ECM Mack
8042124	71R6561	RD-5-10771-0P	Deutsch (2)	AC Ctrl APAds	CM-812 Visc-DD-AM
8042133	71R6571	RD-5-11381-0P	10 pin	AC Ctrl APAds	CM-814 30 Sec. Volvo
8042156	71R6453	RD-5-11380-0P	10 pin	AC Ctrl APAds	CM-814 Std Volvo
8042157	71R6571	RD-5-11381-0P	10 pin	AC Ctrl APAds	CM-814 30 Sec. Volvo



71R6453

RD-5-11380-0P

OEM No. 20579815, 8042156



71R6560

RD-5-10449-0P

OEM No. 8042103

Cummins, Caterpillar engine applications



71R6561

RD-5-10771-0P

OEM No. 228RD33, 8042124



71R6563

RD-5-10772-0P

OEM No. 228RD32, 8042121



71R6565

RD-5-10352-0P

OEM No. 228RD31, 8042105

Detroit Series 60 engines



71R6566

RD-5-10855-0P

OEM No. 3939315, 8042108



CONTROL MODULE REPLACEMENTS

71R6571

RD-5-11381-0P

OEM No. 20357741, 20579810, 8042133, 8042157

**71R6576**

RD-5-10860-0P

OEM No. 3099497, 8042114

**71R6573**

RD-5-10859-0P

OEM No. 3939313, 8042107

**71R6578**

RD-5-10861-0P

OEM No. 3939314, 8042106



APADS™ HARNESS EXTENSION

Sorted by OEM Number

OEM No.	Part No.	Factory Part No.	Thread Type / Function
8041087	71R6510	RD-5-11027-0P	Kit Fan Control T-200 NO P-275 NC
8041088	71R6490	RD-5-11020-0P	Kit Fan Control T-200 NO P-275 NC / Solenoid

71R6490

RD-5-11020-0P

OEM No. 8041088

**71R6510**

RD-5-11027-0P

OEM No. 8041087

No Picture Available



71R SERIES

APAds™ SWITCHES

CONVERSION KIT

Sorted by OEM Number

OEM No.	Part No.	Factory Part No.	Connector / Function
3919193	71R6580	RD-5-10858-0P	Kit Conversion ISC-3 to TE-743
3919194	71R6600	RD-5-11000-0P	Kit Conversion TE-803 to TE-742
8041114	71R6600	RD-5-11000-0P	Kit Conversion TE-803 to TE-742
8041115P	71R6580	RD-5-10858-0P	Kit Conversion ISC-3 to TE-743

71R6580

RD-5-10858-0P

OEM No. 3919193, 8041115P



71R6600

RD-5-11000-0P

OEM No. 3919194, 8041114



PRESSURE SWITCH REPLACEMENTS

Sorted by OEM Number

OEM No.	Part No.	Factory Part No.	Connector	Thread Type	Function	Set point	Differential	Resistive Amps	Inductive Amps
1622648C91	71R6470	RD-5-11026-0P	Weatherpack	1/4" Female Schrader	NC	275 psi +/- 10 psi	40 psi +/- 10 psi	7	4
1699309C1	71R6422	RD-5-10779-0P	Metripack 280	M10 Female Schrader	NC	300 psi +/- 10 psi	40 psi +/- 10 psi	7	4
1MR2451	71R6416	RD-5-10769-0P	Metripack 280	1/4" Female Schrader	NC	325 /310 psi +/- 10 psi	75 psi +/- 10 psi	7	4
1MR2456	71R6402	RD-5-10763-0P	Metripack	1/4" Female Schrader NC	NC	280-295 psi	70 psi min.	7	4
1MR2462	71R6412	RD-5-10767-0P	Metripack	M12 Female Schrader					
1MR3475M	71R6424	RD-5-10783-0P	Metripack	M12 Female Schrader NC	NC	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4
1MR3561	71R6408	RD-5-10766-0P	Metripack	M12 Female Schrader NC	NO	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4
1MR3562	71R6414	RD-5-10768-0P	Metripack 280	M10 Female Schrader NC	NC	335 psi +/- 20 psi	100 psi +/- Psi	7	4
1MR3571	71R6400	RD-5-9990-0P	Closed, Metripack 280	300 psi, M10 Female Schrader	NC	300 psi +/- 10 psi	40 psi +/- 10 psi	7	4
1MR3572	71R6405	RD-5-9991-0P	Closed, Metripack	34 psi, M12 Female Schrader	NC	034 psi +/- 4 psi	24 psi +/- 3 psi	7	4
20437760	71R6424	RD-5-10783-0P	Metripack	M12 Female Schrader	NC	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4
3934379	71R6570	RD-5-10468-0P	Deutsch	M10 Female Schrader	NC	275 psi +/- 10 psi	040 psi +/- 10 psi	7	4
3939317	71R6422	RD-5-10779-0P	Metripack 280	M10 Female Schrader	NC	300 psi +/- 10 psi	40 psi +/- 10 psi	7	4
3948741	71R6438	RD-5-10852-0P	Weatherpack	1/4" NPTF external	NC	014 psi max	006 psi +/- 1.5psi & amp 7	7	4
3948742	71R6442	RD-5-10853-0P	Weatherpack	1/4" NPTF external	NC	018 psi max	008 psi +/- 2 psi	7	4
3948743	71R6445	RD-5-10351-0P	Weatherpack	1/4" Female Flare	NC	310-330 psi	100/090 psi +/- 10 psi	7	4
3948747	71R6426	RD-5-10784-0P	Metripack 280	M10 Female Schrader	NC	325 psi +/- 10 psi	050 psi +/- 10 psi	7	4
3948749	71R6434	RD-5-10787-0P	Metripack 280	M10 Female Schrader	NO	040 psi +/- 4 psi	008 psi +/- 4 psi	7	4
3949288	71R6422	RD-5-10779-0P	Metripack 280	M10 Female Schrader	NC	300 psi +/- 10 psi	40 psi +/- 10 psi	7	4
3949500	71R6450	RD-5-10789-0P	Deutsch	M10 Female Schrader	NC	275 psi +/- 10 psi	040 psi +/- 10 psi	7	4
3949501	71R6444	RD-5-10854-0P	Weatherpack	1/4" Female Schrader	NC	275 psi +/- 10 psi	040 psi +/- 10 psi	7	4
3966805	71R6418	RD-5-10778-0P	Metripack	M12 Female Schrader	NC	034 psi +/- 4 psi	026 psi +/- 3 psi	7	4
8025565	71R6420	RD-5-10470-0P	Metripack 280	M12 Female Schrader	NO	034 psi +/- 4 psi	024 psi +/- 3 psi	7	4
8040082	71R6415	RD-5-10009-0P	Deutsch	1/4" Female Flare	Closed	275 psi +/- 10 psi	40 psi +/- 10 psi	7	4
8040088	71R6410	RD-5-10008-0P	Deutsch	M10 Female Schrader	Closed	300 psi +/- 10 psi	35 psi +/- 10 psi	7	4
8040114	71R6438	RD-5-10852-0P	Weatherpack	1/4" NPTF external	NC	014 psi max	007 psi +/- 1.5 psi 7	7	4
8040132	71R6570	RD-5-10468-0P	Deutsch	M10 Female Schrader	NC	275 psi +/- 10 psi	040 psi +/- 10 psi	7	4
8040135	71R6400	RD-5-9990-0P	Metripack 280	M10 Female Schrader	Closed	300 psi +/- 10 psi	040 psi +/- 10 psi	7	4
8040136	71R6405	RD-5-9991-0P	Metripack	M12 Female Schrader	NC	034 psi +/- 4 psi	24 psi +/- 4 psi	7	4
8040147	71R6422	RD-5-10779-0P	Metripack 280	M10 Female Schrader	NC	300 psi +/- 10 psi	40 psi +/- 10 psi	7	4
8040161	71R6418	RD-5-10778-0P	Metripack 280	M12 Female Schrader	NC	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4
8040189	71R6424	RD-5-10783-0P	Metripack 280	M12 Female Schrader	NC	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4
8040202	71R6420	RD-5-10470-0P	Metripack 280	M12 Female Schrader	NO	034 psi +/- 4 psi	24 psi +/- 3 psi	7	4
8040204	71R6475	RD-5-10901-0P	Weatherpack	1/4" Female Schrader	NO	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4
8040207	71R6408	RD-5-10766-0P	Metripack	M12 Female Schrader	NO	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4
8040217	71R6434	RD-5-10787-0P	Metripack 280	M10 Female Schrader	NO	040 psi +/- 4 psi	008 psi +/- 4 psi	7	4
8040222P	71R6438	RD-5-10852-0P	Weatherpack	1/4" NPTF external	NC	014 psi max	007 psi +/- 1.5 psi 7	7	4
8040223	71R6442	RD-5-10853-0P	Weatherpack	1/4" NPTF external	NC	018 psi max	008 psi +/- 4 psi	7	4
8040225	71R6445	RD-5-10351-0P	Weatherpack	1/4" Female Flare	NC	310-330 psi	100/090 psi +/- 10 psi	7	4
8040226	71R6416	RD-5-10769-0P	Metripack 280	1/4" Female Schrader	NC	325/310 psi +/- 10 psi	75 psi +/- 10 psi	7	4
8040229	71R6414	RD-5-10768-0P	Metripack 280	M10 Female Schrader	NC	335 psi +/- 10 psi	20 psi +/- 10 psi	7	4
8040230	71R6402	RD-5-10763-0P	Metripack	1/4" Female Schrader	NC	280-295 psi	70 psi min.	7	4
8040232	71R6470	RD-5-11026-0P	Weatherpack	1/4" Female Schrader	NC	275 psi +/- 10 psi	40 psi +/- 10 psi	7	4
8040233	71R6471	RD-5-10857-0P							
8040236	71R6402	RD-5-10763-0P	Metripack	1/4" Female Schrader	NC	280-295 psi	70 psi min.	7	4
8040240	71R6426	RD-5-10784-0P	Metripack 280	M10 Female Schrader	NC	325 psi +/- 10 psi	050 psi +/- 10 psi	7	4
8040242	71R6450	RD-5-10789-0P	Deutsch	M10 Female Schrader	NC	275 psi +/- 10 psi	040 psi +/- 10 psi	7	4
8040243	71R6444	RD-5-10854-0P	Weatherpack	1/4" Female Schrader	NC	275 psi +/- 10 psi	235 psi +/- 10 psi	7	4
8040277	71R6455	RD-5-10473-0P	Weatherpack	1/4" Female Schrader	NC	275 psi +/- 10 psi	050 psi +/- 10 psi	7	4
8040279	71R6422	RD-5-10779-0P	Metripack 280	M10 Female Schrader	NC	300 psi +/- 10 psi	40 psi +/- 10 psi	7	4
8040281	71R6408	RD-5-10766-0P	Metripack	M12 Female Schrader	NO	034 psi +/- 4 psi	26 psi +/- 3 psi	7	4



PRESSURE SWITCH REPLACEMENTS

Sorted by OEM Number

OEM No.	Part No.	Factory Part No.	Connector	Thread Type	Function	Set point	Differential	Resistive Amps	Inductive Amps
8040304	71R6424	RD-5-10783-0P	Metripack 280	M12 Females Schrader	NC	034 psi +/- 10 psi	005 psi max	7	4
8040316	71R6416	RD-5-10769-0P	Metripack 280	¼" Female Schrader	NC	335 psi +/- 15 psi	245 psi +/- 15 psi	7	4
83948743	71R6444	RD-5-10854-0P	Weatherpack	¼" Female Schrader	NC	275 psi +/- 10 psi	235 psi +/- 10 psi	7	4

71R6400

RD-5-9990-0P

OEM No. 1MR3571, 8040135



71R6402

RD-5-10763-0P

OEM No. 1MR2456, 8040230, 8040236, 8040243



71R6405

RD-5-9991-0P

OEM No. 1MR3572, 3966805, 8040136



71R6408

RD-5-10766-0P

OEM No. 1MR3561, 8040207, 8040281



71R6410

RD-5-10008-0P

OEM No. 8040088



71R6412

RD-5-10767-0P

OEM No. 1MR2462



71R6414

RD-5-10768-0P

OEM No. 1MR3562, 8040229



71R6415

RD-5-10009-0P

OEM No. 8040082



71R6416

RD-5-10769-0P

OEM No. 1MR2451, 8040226, 8040316



71R6418

RD-5-10778-0P

OEM No. 3966805, 8040161



71R6420

RD-5-10470-0P

Volvo OEM No. 8025565, 8040202



71R6422

RD-5-10779-0P

OEM No. 3939317, 8040147, 8040279
IHC #1699309C1 3949288

Normally Closed, Opens 300psi
Closes 260 psi



PRESSURE SWITCH REPLACEMENTS

71R6424

RD-5-10783-0P

OEM No. 1MR3475M, 20437760, 8040189, 8040304

**71R6426**

RD-5-10784-0P

OEM No. 3948747, 8040240

**71R6434**

RD-5-10787-0P

OEM No. 3948749, 8040217

**71R6438**

RD-5-10852-0P

OEM No. 3948741, 8040114, 8040222P

**71R6442**

RD-5-10853-0P

OEM No. 3948742, 8040223

**71R6444**

RD-5-10854-0P

OEM No. 3949501, 8040243, 83948743

**71R6445**

RD-5-10351-0P

OEM No. 3948743, 8040225

**71R6450**

RD-5-10789-0P

OEM No. 3949500, 8040242

**71R6455**

RD-5-10473-0P

OEM No. 8040277

**71R6470**

RD-5-11026-0P

OEM No. 1622648C91, 8040232

**71R6475**

RD-5-10901-0P

OEM No. 8040204

**71R6570**

RD-5-10468-0P

OEM No. 3934379, 8040132



TEMPERATURE CONTROL REPLACEMENTS

Sorted by OEM Number

OEM No.	Part No.	Factory Part No.	Connector	Thread Type	Function	Set point	Differential	Resistive	Inductive
3134059 *	71R6460	RD-5-10851-0P	Single Post	½" NPTF	Open	220° F	10° F	1 amp	.5 amps
3918038	71R6500	RD-5-11021-0P	2 Terminal	½" NPTF	Open	205° F	5-9° F	7 amp	4 amps
3918479 *	71R6463	RD-5-11001-0P	Single Post	½" NPTF	Open	215° F	10° F	1 amp	.5 amps
3946910	71R6480	RD-5-10592-0P	3 Terminal	½" NPTF	Open/Closed	185° F	5-9° F	7 amp	4 amps
3946911	71R6458	RD-5-10850-0P	3 Terminal	½" NPTF	Open/Closed	190° F	5-9° F	7 amp	4 amps
3946914	71R6448	RD-5-10780-0P	3 Terminal	½" NPTF	Open/Closed	205° F	5-9° F	7 amp	4 amps
8037030	71R6456	RD-5-10790-0P	2 Terminal	½" NPTF	Open	200° F	5-9° F	7 amp	4 amps
8037034	71R6500	RD-5-11021-0P	2 Terminal	½" NPTF	Open	205° F	5-9° F	7 amp	4 amps
8037045	71R6480	RD-5-10592-0P	3 Terminal	½" NPTF	Open/Closed	185° F	5-9° F	7 amp	4 amps
8037048	71R6458	RD-5-10850-0P	3 Terminal	½" NPTF	Open/Closed	190° F	5-9° F	7 amp	4 amps
8037055	71R6448	RD-5-10780-0P	3 Terminal	½" NPTF	Open/Closed	205° F	5-9° F	7 amp	4 amps
8039019 *	71R6463	RD-5-11001-0P	Single Post	½" NPTF	Open	215° F	10° F	1 amp	.5 amps
8039023 *	71R6460	RD-5-10851-0P	Single Post	½" NPTF	Open	220° F	10° F	1 amp	.5 amps
8167882	71R6456	RD-5-10790-0P	2 Terminal	½" NPTF	Open	200° F	5-9° F	7 amp	4 amps

* Includes Case Ground (single post) Temperature Switches

71R6448

RD-5-10780-0P

OEM No. 3946914, 8037055



71R6456

RD-5-10790-0P

OEM No. 8037030, 8167882



71R6458

RD-5-10850-0P

OEM No. 3946911, 8037048



71R6460

RD-5-10851-0P

OEM No. 3134059, 8039023
Case Ground



71R6463

RD-5-11001-0P

OEM No. 3918479, 8039019



Case Ground

71R6480

RD-5-10592-0P

OEM No. 3946910, 8037045



71R6500

RD-5-11021-0P

OEM No. 3918038, 8037034



TEMPERATURE FAN TIMER

Includes Electronic Switches

Sorted by OEM Number

OEM No.	Part No.	Factory Part No.	Connector	Thread Type	Function	Set point	Differential	Resistive	Inductive
3940177	71R6451	RD-5-10781-0P	Deutsch	½" NPTF	NC	195° +/- 1.5 F	7 +/- 1.5 F	2 amps	
3942759	71R6430	RD-5-10471-0P	Metripack	½" NPTF	NC	205° +/- 1.5 F	7 +/- 1.5 F	2 amps	
3942809	71R6452	RD-5-10782-0P	Deutsch	½" NPTF	NC	205° +/- 1.5 F	7 +/- 1.5 F	2 amps	
3942917	71R6454	RD-5-10788-0P	Deutsch	½" NPTF	NC	205° +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036087	71R6425	RD-5-10349-0P	Deutsch	½" NPTF	NC	205° +/- 1.5 F	7 +/- 1.5 F	2 amps	2 amps
8036165	71R6451	RD-5-10781-0P	Deutsch	½" NPTF	NC	195° +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036167	71R6430	RD-5-10471-0P	Metripack	½" NPTF	NC	205° +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036168	71R6454	RD-5-10788-0P	Deutsch	½" NPTF	NC	205° +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036169	71R6452	RD-5-10782-0P	Deutsch	½" NPTF	NC	205° +/- 1.5 F	7 +/- 1.5 F	2 amps	



71R6425

RD-5-10349-0P

OEM No. 8036087



71R6452

RD-5-10782-0P

OEM No. 3942809, 8036169



71R6430

RD-5-10471-0P

OEM No. 3942759, 8036167



71R6454

RD-5-10788-0P

OEM No. 3942917, 8036168



71R6451

RD-5-10781-0P

OEM No. 3940177, 8036165



EXPANSION VALVES

EXTERNAL EQUALIZER

Part No.	Factory No.	Description	Inlet	Outlet	Nut	Equalizer Tube Length	Capillary Tube Length
71R8050	RD-4126-1P	External Equalizer	#6 (3/8") Male Flare	#8 (1/2") Male Flare	1/4" Female Flare	18"	18"
71R8080	RD-5-5862-0P	External Equalizer	#6 (3/8") Male O-Ring	#8 (1/2") Male O-Ring	1/4" Male O-Ring	10"	10"
71R8100	RD-5-3824-1P	External Equalizer	#6 (3/8") Male O-Ring	#8 (1/2") Male O-Ring	1/4" Female O-Ring	13"	13"

71R8050**RD-4126-1P**

External Equalizer

Inlet: #6 (3/8") Male Flare**Outlet:** #8 (1/2") Male Flare

Equalizer Tube

Length: 18"**Nut:** 1/4" Female Flare**Capillary Tube Length:** 18"**Rating:** 1 1/2 Ton**RD-5-3824-1P****71R8100**

External Equalizer

Inlet: #6 (3/8") Male O-Ring**Outlet:** #8 (1/2") Male O-Ring

Equalizer Tube

Length: 13"**Nut:** 1/4" Female O-Ring**Capillary Tube Length:** 13"**Rating:** 1 1/2 Ton**71R8080****RD-5-5862-0P**

External Equalizer

Inlet: #6 (3/8") Male O-Ring**Outlet:** #8 (1/2") Male O-Ring

Equalizer Tube

Length: 10"**Nut:** 1/4" Male O-Ring**Capillary Tube Length:** 10"**Rating:** 1 1/2 Ton

INTERNAL EQUALIZER

Part No.	Factory No.	Description	Inlet	Outlet	Nut Length	Equalizer Tube Length	Capillary Tube Length
71R8060	RD-5-11033-0P	Internal Equalizer	#6 (3/8") Male O-Ring	#8 (1/2") Male O-Ring	—	—	12"
71R8090	RD-5-10734-0P	Internal Equalizer	#6 (3/8") Male O-Ring	#8 (1/2") Male O-Ring	—	—	16"
71R8210	RD-5-6099-0P	Internal Equalizer	#6 (3/8") Male Flare	#8 (1/2") Male Flare	—	—	9"
71R8220	RD-5-10445-0P	Internal Equalizer	#6 (3/8") Male O-Ring	#8 (1/2") Male O-Ring	—	—	12"

71R8060**RD-5-11033-0P**

Internal Equalizer

Inlet: #6 (3/8") Male O-Ring**Outlet:** #8 (1/2") Male O-Ring**Capillary Tube Length:** 12"**Rating:** 1 1/2 Ton**71R8090****RD-5-10734-0P**

Internal Equalizer

Inlet: #6 (3/8") Male O-Ring**Outlet:** #8 (1/2") Male O-Ring

Capillary Tube

Length: 16"**Rating:** 1 1/2 Ton**71R8210****RD-5-6099-0P**

Internal Equalizer

Inlet: #6 (3/8") Male Flare**Outlet:** #8 (1/2") Male Flare**Capillary Tube Length:** 9"**Rating:** 1 1/2 Ton**71R8220****RD-5-10445-0P**Internal Equalizer **LS****Inlet:** #6 (3/8") Male O-Ring**Outlet:** #8 (1/2") Male O-Ring**Capillary Tube Length:** 12"**Rating:** 1 1/2 Ton**LS** = Limited to stock on hand

EXPANSION VALVES

BLOCK TYPE

Part No.	Factory No.	Mounting	Hose Side In	Hose Side Out	Evaporator In	Evaporator Out	Rated Capacity (tonnage)	Superheat Rating	Pressure Limit*
71R8301	RD-5-6868-OP	Bulbless Block 1/4" mounting hole	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	1 1/2	5°F	80 psig @ 40°F
71R8310	RD-3-7822-OP	Bulbless Block 5/16"-18 threaded	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	1 1/2	5°F	80 psig @ 40°F
71R8321	RD-5-7015-OP	Bulbless Block 1/4" mounting hole	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	**	8°F	53.5 psig @ 75°F
71R8350	RD-5-10334-OP	Bulbless Block 5/16"-18 threaded	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	1 1/2	5°F	50 psig @ 75°F
71R8370	RD-5-7567-OP	Bulbless Block 1/4" mtg hole	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	1 1/2	5°F	80 psig @ 40°F
71R8380	RD-5-9513-OP	Bulbless Block 1/4" mtg hole	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	2 AT	8°F	53.5 psig @ 75°F
71R8385	RD-5-10546-OP	Bulbless Block	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	2 AT	5°F	53.5 psig @ 75°F
71R8400	RD-5-7155-OP	Bulbless Block 1/4" mounting hole	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	1 1/2 ††	5°F	50 psig @ 85°F
71R8405	RD-5-10447-OP	Bulbless Block M6 x 1.0-6H stud	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	1 1/2 †	8°F	53.5 psig @ 75°F
71R8415	RD-5-10306-OP	Bulbless Block M6 x 1.0-6H stud mtg	#6 Plate (Flange) Mount	#10 Plate (Flange) Mount	#8 Plate (Flange) Mount	#8 Plate (Flange) Mount	1 1/2 †††		
71R8420	RD-5-7179-OP	Bulbless Block M6 x 1.0-6H thread mtg	#6 Plate (Flange) Mount	#10 Plate (Flange) Mount	#8 Plate (Flange) Mount	#8 Plate (Flange) Mount	1 1/2	8.5°F	53.5 psig @ 90°F
71R8423	RD-5-8100-OP	Bulbless Block M6 x 1.0-6H thread mtg	#6 Plate (Flange) Mount	#12 Plate (Flange) Mount	#8 Plate (Flange) Mount	#10 Plate (Flange) Mount	2	5.5°F	53.5 psig @ 90°F
71R8425	RD-5-10902-OP	Bulbless Block M8 x 1.25-6H thread	#6 Mini Stat O Seal	#10 Mini Stat O Seal	#8 Mini Stat O Seal	#10 Mini Stat O Seal	1 1/2	12°F	50 psig @ 85°F
71R8430	RD-5-8936-OP	Bulbless Block M6 x 1.0-6H stud mtg	#6 Plate (Flange) Mount	#10 Plate (Flange) Mount	#8 Plate (Flange) Mount	#8 Plate (Flange) Mount	** †††	8.5°F	53.5 psig @ 90°F
71R8435	RD-5-10436-OP	Superseded, use 71R8423 RD-5-8100-OP (above)							
71R8440	RD-5-10333-OP	Bulbless Block M6 x 1.0-6H thread mtg	#6 Plate (Flange) Mount	#12 Plate (Flange) Mount	#8 Plate (Flange) Mount	#10 Plate (Flange) Mount	1 1/2	5.5°F	65.7 psig @ 90°F
71R8450	RD-5-9935-OP	Bulbless Block 1/4" mounting holes	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	** †††	8°F	53.5 psig @ 75°F
71R8451	RD-5-10903-OP	Bulbless Block M8 x 1.25-6H thread mtg, Freightliner OE# ABP N83 308231	#6 Stat O Seal	#10 Stat O Seal	#8 Stat O Seal	#10 Stat O Seal	1 1/2	Color: Gold 8.5°F	53.5 psig @ 90°F
71R8453	RD-5-12520-OP	Bulbless Block M8 x 1.25-6H thread mtg, BEHR OE# BOA 80-321-00-269	#6 Stat O Seal	#10 Stat O Seal	#8 Stat O Seal	#10 Stat O Seal	1 1/2	Color: Gold 12°F	53.5 psig @ 85°F
71R8455	RD-5-12521-OP	Bulbless Block M8 x 1.25-6H thread mtg, BEHR OE# BOA A4965	#6 Stat O Seal	#12 Stat O Seal	#8 Stat O Seal	#10 Stat O Seal	2		
71R8457	RD-5-9327-OP	Bulbless Block BEHR OE# BOA A93674	#6 Stat O Seal	#10 Stat O Seal	#8 Stat O Seal	#10 Stat O Seal	1 1/2	Color: Burgundy	
71R8459	RD-5-9327-OP	Bulbless Block 1/4" mounting hole	#6 (3/8") Female Tube O-Ring	#10 (5/8") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	#8 (1/2") Female Tube O-Ring	1 1/2	7°F	80 psig @ 85°F

* = Maximum Operating Press (± 8.5 psig)

** = 2 T, Hi-cap

AT = Anti-trumpeting

† = Schrader switch port

†† = 3/16" Schrader switch port

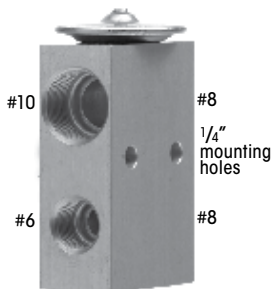
††† = M12, M10 Schrader switch ports



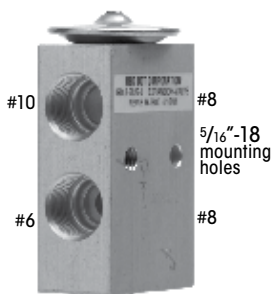
BULBLESS BLOCK-TYPE

71R8301 RD-5-6868-0P

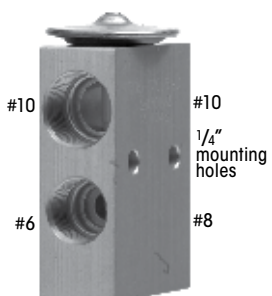
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #8 (1/2") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 80 psig @40°F

**71R8310 RD-3-7822-0P**

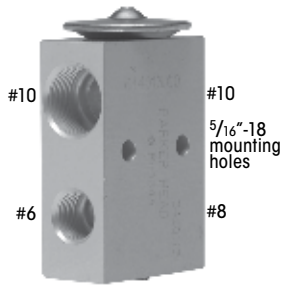
With Threaded Mounting Holes
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #8 (1/2") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 80 psig @40°F

**71R8321 RD-5-7015-0P**

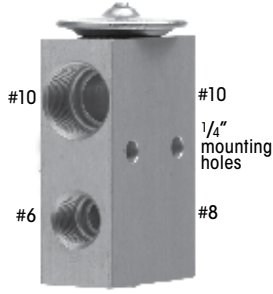
High Capacity (2 Ton)
Inlet: #6 (3/8") Female "O" Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #10 (5/8") Female O-Ring
Superheat Rating: 8°F
Pressure Limit: 53.5 psig @75°F

**71R8350 RD-5-10334-0P**

Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #10 (5/8") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 50 psig @75°F

**71R8370 RD-5-7567-0P**

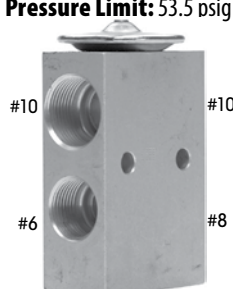
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #10 (5/8") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 80 psig @40°F

**71R8380 RD-5-9513-0P**

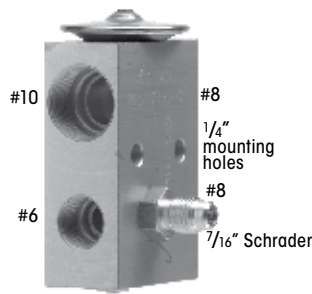
Anti-trumpeting (2 Ton)
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #10 (5/8") Female O-Ring
Superheat Rating: 8°F
Pressure Limit: 53.5 psig @75°F

**71R8385 RD-5-10546-0P**

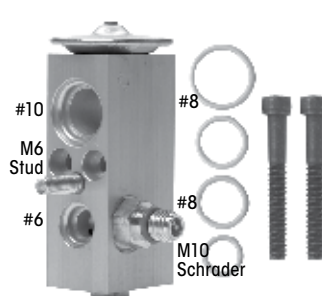
Anti-trumpeting (2 Ton)
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #10 (5/8") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 53.5 psig @75°F

**71R8400 RD-5-7155-0P**

With 7/16" Schrader Port
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #8 (1/2") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 50 psig @85°F

**71R8405 RD-5-10447-0P**

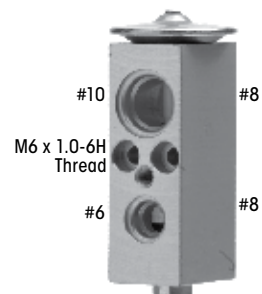
With Schrader Port
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #8 (1/2") Female O-Ring
Superheat Rating: 8°F
Pressure Limit: 53.5 psig @75°F

**71R8415 RD-5-10306-0P**

With M12, M10 Schrader Port
Inlet: #6 Plate (Flange) Mount
Outlet: #10 Plate (Flange) Mount
Evaporator Fittings
In: #8 Plate (Flange) Mount
Out: #8 Plate (Flange) Mount
Superheat Rating: N/A
Pressure Limit: N/A

**71R8420 RD-5-7179-0P**

Inlet: #6 Plate (Flange) Mount
Outlet: #10 Plate (Flange) Mount
Evaporator Fittings
In: #8 Plate (Flange) Mount
Out: #8 Plate (Flange) Mount
Superheat Rating: 8.5°F
Pressure Limit: 53.5 psig @90°F

**71R8423 RD-5-8100-0P**

(2 Ton)
Inlet: #6 (3/8") Plate (Flange) Mount
Outlet: #12 (3/4") Plate (Flange) Mount
Evaporator Fittings
In: #8 (1/2") Plate (Flange) Mount
Out: #10 (5/8") Plate (Flange) Mount
Superheat Rating: 5.5°F
Pressure Limit: 53.3 psig @90°F



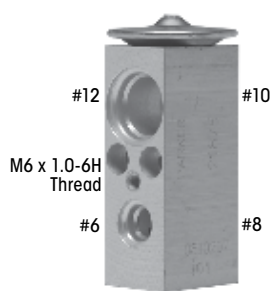
BULBLESS BLOCK-TYPE

71R8425 RD-5-10902-0P

Inlet: #6 (3/8") Mini Stat-O-Seal
Outlet: #10 (5/8") Mini Stat-O-Seal
Evaporator Fittings
In: #8 (1/2") Mini Stat-O-Seal
Out: #10 (5/8") Mini Stat-O-Seal
Superheat Rating: 12°F
Pressure Limit: 50 psig @85°F

**71R8440 RD-5-10333-0P**

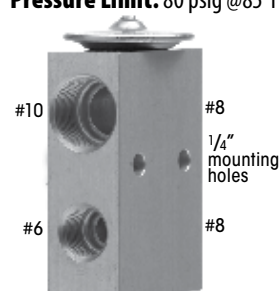
Inlet: #6 (3/8") Plate (Flange) Mount
Outlet: #12 (3/4") Plate (Flange) Mount
Evaporator Fittings
In: #8 (1/2") Plate (Flange) Mount
Out: #10 (5/8") Plate (Flange) Mount
Superheat Rating: 5.5°F
Pressure Limit: 65.7 psig @90°F

**71R8453 RD-5-12520-0P**

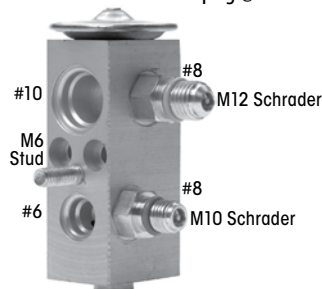
Inlet: #6 (3/8") Stat-O-Seal
Outlet: #10 (5/8") Stat-O-Seal
Evaporator Fittings
In: #8 (1/2") Stat-O-Seal
Out: #10 (5/8") Stat-O-Seal
Replaces: OE# BOA 80-321-00-269
Superheat Rating: 12°F
Pressure Limit: 50 psig @85°F

**71R8459 RD-5-9327-0P**

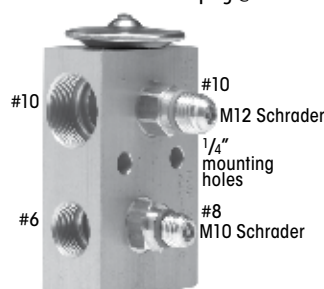
Orion Bus Models, OE#G1310514BH
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #8 (1/2") Female O-Ring
Superheat Rating: 7°F
Pressure Limit: 80 psig @85°F

**71R8430 RD-5-8936-0P**

With Schrader Port (2-ton HiCap)
Inlet: #6 (3/8") Plate (Flange) Mount
Outlet: #10 (5/8") Plate (Flange) Mount
Evaporator Fittings
In: #8 (1/2") Plate (Flange) Mount
Out: #8 (1/2") Plate (Flange) Mount
Superheat Rating: 8.5°F
Pressure Limit: 53.5 psig @90°F

**71R8450 RD-5-9935-0P**

With Schrader Port (2-ton HiCap)
Inlet: #6 (3/8") Female O-Ring
Outlet: #10 (5/8") Female O-Ring
Evaporator Fittings
In: #8 (1/2") Female O-Ring
Out: #10 (5/8") Female O-Ring
Superheat Rating: 8°F
Pressure Limit: 53.5 psig @75°F

**71R8455 RD-5-12521-0P**

(2 Ton)
Inlet: #6 (3/8") Stat-O-Seal
Outlet: #12 (3/4") Stat-O-Seal
Evaporator Fittings
In: #8 (1/2") Stat-O-Seal
Out: #10 (5/8") Stat-O-Seal
Replaces: Main Unit Freightliner Egelhof #327302, Behr #A4965

**71R8435 RD-5-10436-0P**

(2 Ton) **LS**
Inlet: #6 (3/8") Plate (Flange) Mount
Outlet: #12 (3/4") Plate (Flange) Mount
Evaporator Fittings
In: #8 (1/2") Plate (Flange) Mount
Out: #10 (5/8") Plate (Flange) Mount
Superheat Rating: 5.5°F
Pressure Limit: 53.5 psig @90°F

**71R8451 RD-5-10903-0P**

Inlet: #6 (3/8") Stat-O-Seal
Outlet: #10 (5/8") Stat-O-Seal
Evaporator Fittings
In: #8 (1/2") Stat-O-Seal
Out: #10 (5/8") Stat-O-Seal
Replaces: OE# APB N83 308231
Superheat Rating: 8.5°F
Pressure Limit: 53.5 psig @90°F

**71R8457 RD-5-12522-0P**

Inlet: #6 (3/8") Stat-O-Seal
Outlet: #10 (5/8") Stat-O-Seal
Evaporator Fittings
In: #8 (1/2") Stat-O-Seal
Out: #10 (5/8") Stat-O-Seal
Replaces: Freightliner Century Class Aux sleeper BOA A93674
Color: Burgundy



LS = Limited to stock on hand

EXPANSION VALVES

BRACKETS FOR BULBLESS BLOCK-TYPE VALVES

71R8491

RD-5-7187-0P

Top Mounting Plate/Flange
For $\frac{3}{8}$ " x $\frac{5}{8}$ " opening for flange mount block expansion valve.

**71R8495**

RD-5-8993-0P

Top Mounting Plate/Flange
For $\frac{3}{4}$ " x $\frac{3}{8}$ " opening for 2-ton flange mount block expansion valve.

**71R8499**

RD-5-7186-0P

Bottom Mounting Plate/Flange
For $\frac{1}{2}$ " x $\frac{1}{2}$ " opening for block-type expansion valve.

**71R8493**

RD-5-7267-0P

Bottom Mounting Plate/Flange
For $\frac{3}{8}$ " x $\frac{5}{8}$ " opening for flange mount block expansion valve.

**71R8497**

RD-5-8994-0P

Bottom Mounting Plate/Flange
For $\frac{3}{4}$ " x $\frac{3}{8}$ " opening for 2-ton flange mount block expansion valve.

**71R8991**

RD-5-7188-0-35M

Allen Head Bracket Screw
M5 x 0.8" for expansion valve brackets on this page. Quantity: 25 per package



ORIFICE TUBES

71R8500

RD-5-4919-0P

White – GM CCOT OE#3033879, 3033919, IHC#1676822-C91
Length: 3.485", O.D.: .386", Orifice: .075"

**71R8501**

RD-5-10012-0P

Black/White – GM CCOT, OE#3096068
Length: 3.55", O.D.: .386", Orifice: .075"

**71R8503**

RD-5-9807-0P

Blue – Ford CCOT Orifice Tube, OE#EOVY-19D 990A, E1FZ-19D 990-A, XC4H-19D 990AA
Length: 3.46", O.D.: .425", Orifice: .080"

**71R8504**

RD-5-10011-0P

Orange – Ford / Peterbilt, OE#E8TZ-19D990A, F2DZ-19D990A, F5DZ-19D990AA, AB
Length: 3.46", O.D.: .429", Orifice: .080"

**71R8505**

RD-5-9564-0P

Red – Ford / Peterbilt, OE#E69Z-19D990A, F4UZ-19D990A, F54Z-19D990AB
Length: 3.46", O.D.: .425", Orifice: .075"

**71R8506**

RD-5-10013-0P

Brown – Ford, OE#F39Z-19D990A, E69Z-19D990-B
Length: 3.46", O.D.: .429", Orifice: .080"

**71R8507**

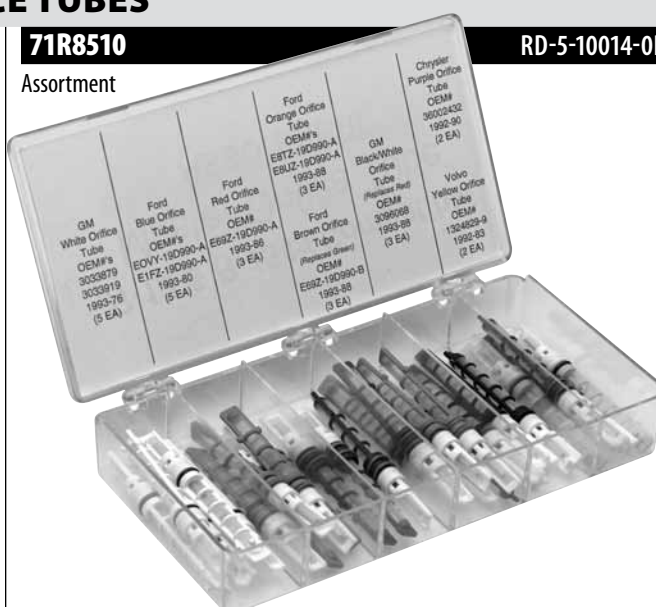
RD-5-10757-0P

Purple – International/Navistar, OE#3548044C1, B0A8030500949
Length: 3.55", O.D.: .429", Orifice: .075"

**71R8510**

RD-5-10014-0P

Assortment

**Contents: left to right:**

White - GM Orifice tube quantity: 5
Blue - Ford Orifice tube quantity: 5
Red - Ford Orifice tube quantity: 3
Orange - Ford Orifice tube quantity: 3
Brown - Ford Orifice tube quantity: 3
Black/white - GM Orifice tube quantity: 3
Purple - Freightliner/IHC Orifice tube OE#36002432 quantity: 2
Yellow - Volvo Orifice tube OE#1324829-9 quantity: 2

71R8600

RD-2-3901-0P

Includes 71R8506 Orifice Tube (above) and Assembly Housing

REFRIGERANT SOLENOID VALVE

(Liquid Line)

#6 Male O-Ring Fitting

71R9002

RD-4188-0P

12 volt

71R9004

RD-4188-24P

24 volt

