



Electronics Repair Catalog 2007 **Truck and Trailer**



*Carrier Transicold offers expert electronics
repair service and quality parts.*

Terms and Conditions

Warranty

We offer a one year warranty, applicable on all repaired electronics listed, in accordance with Carrier Transicold document 62-10670, *Manufacturer's Warranty & Limitation of Liability - Service Parts or Components*.



Samples of Carrier authorized electronic repair and warranty seals
Note, warranty is void if seals are broken or damaged

Return Procedure

CAUTION - Electrostatic Discharge

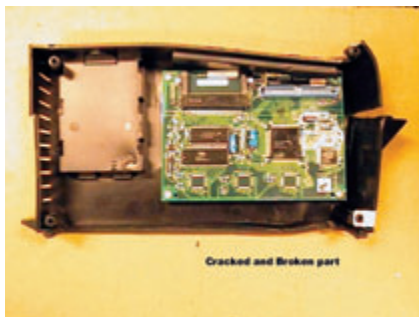
When repairing, replacing, or working on electronic components it is necessary to wear ESD (electrostatic discharge) protection. If not worn, ESD through the human body can damage the electronics. The damage caused by ESD may not always be detected and can appear at a later date. ESD protection equipment can be purchased through the Carrier Transicold Replacement Components Group (RCG).

Before returning electronics to us for repair, please contact your local authorized Carrier Transicold Dealer to obtain the proper shipping location information and procedures for your area. This prior notification will assist us in providing you the quickest turnaround and highest quality of service.

Repairable / Un-Repairable Electronics

Note: To prevent damage during transport and shipping, make sure all returned items are packaged properly.

The following are examples of what can not be repaired:



Broken



Badly Burned



Badly Corroded

Other Services We Offer

Data Downloading

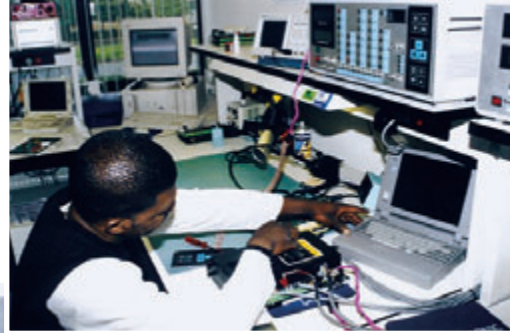
Can't download trip data?
In many cases we can.

Reconfiguration

Unsure of, or you have the wrong,
configured electronics for your unit?
We can change the configuration for
you.

Testing

We offer a wide array of testing and
simulations to diagnose electronic
operation and performance.



These are just a few examples of the many added services we can offer.
Contact your customer service center and ask about the specific
service(s) you require.

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Genesis Series

Board, Temperature Control, Repaired



Before repair
12-00214-00
12-00214-01
12-00214-11
12-00214-21
12-00214-31
12-00214-40
12-00214-60
7104102

After repair
12-00214-31RB
12-00214-31RB
12-00214-31RB
12-00214-31RB
12-00214-31RB
12-00214-60RB
12-00214-60RB
71-04102-00RB

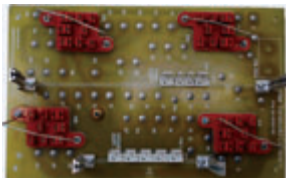
Diode Board, Repaired



Before repair
22-01102-00
22-01102-10
137112

After repair
22-01102-10RB
22-01102-10RB
13-7112RB

Mother Board, Repaired



Before repair
22-01101-01
22-01101-02

After repair
22-01101-02RB
22-01101-02RB

Startronic Series

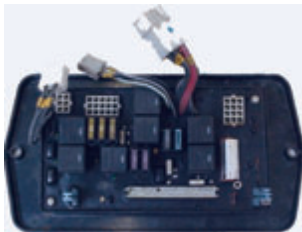
Logic Board, Repaired



Before repair
133500

After repair
13-3500RB

Control Panel, Repaired



Before repair
050400
7100763
7101511
7100767(Control board only)

After repair
05-0400RB
71-00763-00RB
71-01511-00RB
71-00767-00RB

Mistal

Startronic Panel, Repaired



Before repair
050455
7101512

After repair
05-0455RB
71-01512-00RB

Cabin Control, Repaired



Before repair
133415

After repair
13-3415RB

Thermostat, Repaired



Before repair
140451
140504
7103094
7103096
12-60001-00
12-60001-01

After repair
14-0451RB
14-0504RB
71-03094-00RB
71-03096-00RB
12-60001-00RB
12-60001-01RB

Ecotronic Series

Logic Board, Repaired



Before repair
133525

After repair
13-3525RB

Board Ventilation, Repaired



Before repair
133526

After repair
13-3526RB

Basic Control Board, Repaired



Before repair
050428

After repair
05-0428RB

Ecotronic Panel, Repaired



Before repair
7102341
91-60067-00

After repair
71-02341-00RB
91-60067-00RB

Basic Power Board, Repaired



Before repair
050429
05042901

After repair
05-0429RB
05-042901RB

Thunderbird / Eagle Plus

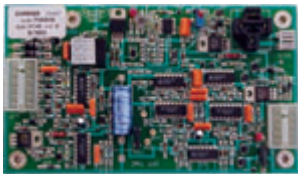
Start/Stop Board, Repaired



Before repair
12-00249-13
12-00249-14

After repair
12-00249-14RB
12-00249-14RB

Start/Stop Board, Repaired



Before repair
7104515

After repair
71-04515-00RB

Thunderbird / Phoenix Advantage

Check Glow Plugs

Microprocessor, Repaired



Before repair

12-00259-00SV
 12-00259-02SV
 12-00259-03SV
 12-00259-04SV
 12-00259-05SV
 12-00259-06SV

After repair

12-00259-06RB
 12-00259-06RB
 12-00259-06RB
 12-00259-06RB
 12-00259-06RB
 12-00259-06RB

High Discharge Temp

Microprocessor, Repaired



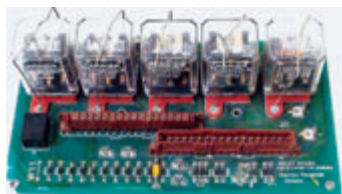
Before repair

12-00282-00
 12-00282-01
 12-00282-02
 12-00282-03
 12-00282-04
 12-00282-05
 12-00282-06

After repair

12-00282-06RB
 12-00282-06RB
 12-00282-06RB
 12-00282-06RB
 12-00282-06RB
 12-00282-06RB
 12-00282-06RB

Relay Board, Repaired



Before repair

22-01453-00
 22-01453-10
 22-01588-00

After repair

22-01453-10RB
 22-01453-10RB
 22-01588-00RB

Cab Control, Repaired



Before repair

133478
 12-60008-07SK

After repair

13-3478RB
 12-60008-07RB

Zephyr Series

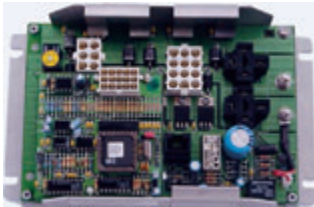
Zephyr 20S & 30S (3 digit) Cab Command, Repaired



Before repair
12-60028-00
79-60409-00 (incl. bracket)

After repair
12-60028-00RB
79-60409-00RB

Zephyr 20S & 30S Power Module, Repaired



Before repair
12-60029-00
12-60029-01
12-60029-02
12-60029-03
12-60029-04
12-60029-06
12-60029-08
12-60029-09
12-60029-10
12-60029-11
12-60029-12
12-60029-13
12-60029-14
12-60029-15
12-60029-16
12-60029-17
12-60029-18
12-60029-19
12-60029-20
12-60029-21
12-60029-22

After repair
12-60029-22RB
12-60029-22RB
12-60029-22RB
12-60029-22RB
12-60029-17RB
12-60029-22RB
12-60029-18RB
12-60029-15RB
12-60029-22RB
12-60029-17RB
12-60029-18RB
12-60029-15RB
12-60029-14RB
12-60029-15RB
12-60029-22RB
12-60029-17RB
12-60029-18RB
12-60029-19RB
12-60029-20RB
12-60029-22RB
12-60029-22RB

Zephyr 180 Cab Command, Repaired



Before repair
12-60008-00
7102837
7104643

After repair
12-60008-00RB
71-02837-00RB
71-04643-00RB

Zephyr Series

Zephyr

Voltage Reducer 24/12, Repaired



Before repair
7100249

After repair
71-00249-00RB

Zephyr 540

Logic Board, Repaired



Before repair
12-00511-00
12-00511-01
12-00511-20
12-00511-21

After repair
12-00511-01RB
12-00511-01RB
12-00511-21RB
12-00511-21RB

Zephyr 30S

Logic Board, Repaired



Before repair
12-00511-30
12-00511-31
12-00511-32

After repair
12-00511-32RB
12-00511-32RB
12-00511-32RB

Xarios Series / Integra

Standard



Microprocessor Xarios, Repaired

Before repair

12-00526-00
12-00526-02
12-00526-04
12-00526-06
12-00526-08
12-00526-10
12-00526-12
12-00526-14

After repair

12-00526-14RB
12-00526-14RB
12-00526-14RB
12-00526-14RB
12-00526-14RB
12-00526-14RB
12-00526-14RB
12-00526-14RB

All Options



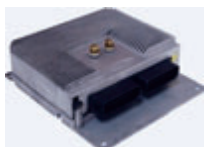
Before repair

12-00526-01
12-00526-03
12-00526-05
12-00526-07
12-00526-09
12-00526-11
12-00526-13
12-00526-15

After repair

12-00526-15RB
12-00526-15RB
12-00526-15RB
12-00526-15RB
12-00526-15RB
12-00526-15RB
12-00526-15RB
12-00526-15RB

Multitemp



(4 digit)

Before repair

12-00555-01 (Main)
12-00555-51 (Aux)

After repair

12-00555-01RB
12-00555-51RB

Cab Command Xarios, Repaired



(2 x 4 digit)

Before repair

12-00527-00
12-00527-01
79-60428-00 (incl. bracket)

After repair

12-00527-00RB
12-00527-01RB
79-60428-00RB

Cab Control MT Xarios, Repaired



Before repair

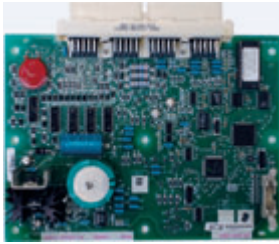
12-00556-00
79-60450-00 (incl. bracket)

After repair

12-00556-00RB
79-60450-00RB

Extra / Supra / Ultra / Optima

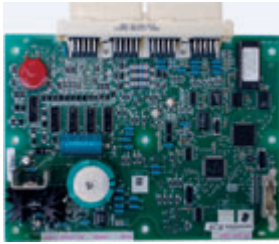
Logic Board, Repaired



Before repair	EPROM		Software Version	
	U3	After repair	U2	U3
12-00308-00	1.01	12-00308-00RB	1.01	1.01
12-00324-00	1.02	12-00324-00RB	1.01	1.02
12-00324-01	1.03	12-00324-01RB	1.02	1.03
12-00324-02	2.03	12-00324-05RB	2.01	2.06
12-00324-03	2.04	12-00324-05RB	2.01	2.06
12-00324-04	2.05	12-00324-05RB	2.01	2.06
12-00324-05	2.06	12-00324-05RB	2.01	2.06
12-00324-06	2.06	12-00324-07RB	2.02	2.07
12-00324-07	2.07	12-00324-07RB	2.02	2.07
12-00324-08	2.08	12-00324-08RB	2.03	2.08
12-00324-09	2.10	12-00324-09RB	2.04	2.10
12-00324-10	2.11	12-00324-13RB	2.05	2.14
12-00324-11	2.12	12-00324-13RB	2.05	2.14
12-00324-12	2.13	12-00324-13RB	2.05	2.14
12-00324-13	2.14	12-00324-13RB	2.05	2.14
12-00324-23	2.04	12-00324-05RB	2.01	2.06
12-00324-24	2.05	12-00324-05RB	2.01	2.06
12-00324-25	2.06	12-00324-05RB	2.01	2.06
12-00324-26	2.06	12-00324-07RB	2.02	2.07
12-00324-27	2.07	12-00324-07RB	2.02	2.07
12-00324-28	2.08	12-00324-08RB	2.03	2.08
12-00324-29	2.10	12-00324-09RB	2.04	2.10
12-00324-30	2.11	12-00324-13RB	2.05	2.14
12-00324-31	2.12	12-00324-13RB	2.05	2.14
12-00324-32	2.13	12-00324-13RB	2.05	2.14
12-00324-33	2.13	12-00324-13RB	2.05	2.14
12-00324-34	2.14	12-00324-13RB	2.05	2.14
12-00359-00	3.01	12-00359-01RB	2.05	3.00
12-00359-01	3.00	12-00359-01RB	2.05	3.00
12-00359-02	3.00	12-00359-05RB	2.06	3.04
12-00359-03	3.02	12-00359-04RB	3.00	3.04
12-00359-04	3.04	12-00359-04RB	3.00	3.04
12-00359-05	3.04	12-00359-05RB	2.06	3.04
12-00359-06	3.05	12-00359-12RB	3.02	3.09
12-00359-07	3.06	12-00359-12RB	3.02	3.09
12-00359-08	3.06	12-00359-12RB	3.02	3.09
12-00359-09	3.07	12-00359-12RB	3.02	3.09
12-00359-10	4.00	12-00359-10RB	4.00	4.00
12-00359-11	3.08	12-00359-12RB	3.02	3.09
12-00359-12	3.09	12-00359-12RB	3.02	3.09
12-00359-13	3.10	12-00359-54RB	3.03	3.18

Extra / Supra / Ultra / Optima

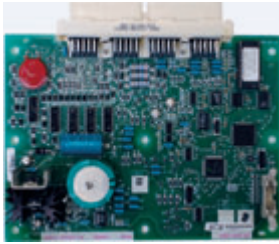
Logic Board, Repaired



	EPROM		Software Version		
	Before repair	U3	After repair	U2	U3
12-00359-20	3.01		12-00359-01RB	2.05	3.00
12-00359-21	3.00		12-00359-01RB	2.05	3.00
12-00359-22	3.00		12-00359-05RB	2.06	3.04
12-00359-23	3.02		12-00359-04RB	3.00	3.04
12-00359-24	3.04		12-00359-04RB	3.00	3.04
12-00359-25	3.04		12-00359-05RB	2.06	3.04
12-00359-26	3.05		12-00359-12RB	3.02	3.09
12-00359-27	3.06		12-00359-12RB	3.02	3.09
12-00359-28	3.06		12-00359-12RB	3.02	3.09
12-00359-29	3.07		12-00359-12RB	3.02	3.09
12-00359-30	4.00		12-00359-10RB	4.00	4.00
12-00359-31	3.08		12-00359-12RB	3.02	3.09
12-00359-32	3.09		12-00359-12RB	3.02	3.09
12-00359-33	3.10		12-00359-54RB	3.03	3.18
12-00359-34	3.11		12-00359-54RB	3.03	3.18
12-00359-35	3.12		12-00359-54RB	3.03	3.18
12-00359-36	3.14		12-00359-54RB	3.03	3.18
12-00359-37	3.15		12-00359-54RB	3.03	3.18
12-00359-38	3.16		12-00359-54RB	3.03	3.18
12-00359-39	3.17		12-00359-54RB	3.03	3.18
12-00359-54	3.18		12-00359-54RB	3.03	3.18
12-00359-55	3.19		12-00359-55RB	3.04	3.19
12-00359-56	3.20		12-00359-57RB	3.05	3.21
12-00359-57	3.21		12-00359-57RB	3.05	3.21
12-00359-58	3.23		12-00359-58RB	3.07	3.23
12-00368-00	4.00		12-00368-00RB	4.00	4.00
12-00368-01	4.01		12-00368-03RB	4.01	4.03
12-00368-02	4.02		12-00368-03RB	4.01	4.03
12-00368-03	4.03		12-00368-03RB	4.01	4.03
12-00368-04	4.04		12-00368-04RB	4.02	4.04
12-00368-05	4.05		12-00368-05RB	4.03	4.05
12-00368-20	4.00		12-00368-00RB	4.00	4.00
12-00368-21	4.01		12-00368-03RB	4.01	4.03
12-00368-22	4.02		12-00368-03RB	4.01	4.03
12-00368-23	4.03		12-00368-03RB	4.01	4.03
12-00368-24	4.04		12-00368-04RB	4.02	4.04
12-00368-25	4.05		12-00368-05RB	4.03	4.05
12-00369-00	3.07		12-00369-00RB	3.02	3.07
12-00369-20	3.07		12-00369-00RB	3.02	3.07

Extra / Supra / Ultra / Optima

Logic Board, Repaired



	EPROM		Software Version		
	Before repair	U3	After repair	U2	U3
12-00382-00	3.07		12-00382-01RB	3.02	3.09
12-00382-01	3.09		12-00382-01RB	3.02	3.09
12-00382-02	3.10		12-00382-09RB	3.03	3.18
12-00382-03	3.11		12-00382-09RB	3.03	3.18
12-00382-04	3.13		12-00382-09RB	3.03	3.18
12-00382-05	3.14		12-00382-09RB	3.03	3.18
12-00382-06	3.15		12-00382-09RB	3.03	3.18
12-00382-07	3.16		12-00382-09RB	3.03	3.18
12-00382-08	3.17		12-00382-09RB	3.03	3.18
12-00382-09	3.18		12-00382-09RB	3.03	3.18
12-00382-10	3.19		12-00382-10RB	3.04	3.19
12-00382-11	3.20		12-00382-12RB	3.05	3.21
12-00382-12	3.21		12-00382-12RB	3.05	3.21
12-00382-13	3.23		12-00382-30RB	3.07	3.30
12-00382-14	3.24		12-00382-30RB	3.07	3.30
12-00382-15	3.25		12-00382-30RB	3.07	3.30
12-00382-16	3.26		12-00382-30RB	3.07	3.30
12-00382-17	3.27		12-00382-30RB	3.07	3.30
12-00382-18	3.28		12-00382-30RB	3.07	3.30
12-00382-19	3.29		12-00382-30RB	3.07	3.30
12-00382-20	3.07		12-00382-01RB	3.02	3.09
12-00382-21	3.09		12-00382-01RB	3.02	3.09
12-00382-22	3.10		12-00382-09RB	3.03	3.18
12-00382-23	3.11		12-00382-09RB	3.03	3.18
12-00382-24	3.13		12-00382-09RB	3.03	3.18
12-00382-25	3.14		12-00382-09RB	3.03	3.18
12-00382-26	3.15		12-00382-09RB	3.03	3.18
12-00382-27	3.16		12-00382-09RB	3.03	3.18
12-00382-28	3.17		12-00382-09RB	3.03	3.18
12-00382-29	3.18		12-00382-09RB	3.03	3.18
12-00382-30	3.30		12-00382-30RB	3.07	3.30
12-00431-00	3.12		12-00431-00RB	3.12	3.12
12-00431-20	3.12		12-00431-00RB	3.12	3.12

Extra / Ultra / Supra / Optima

Logic Board, Repaired



Before repair	EPROM		Software		Cover
	U3	After repair	U2	U3	
12-00514-01	3.22	12-00514-01RB	3.06	3.22	Yes
12-00514-02	3.23	12-00514-02RB	3.07	3.23	Yes
12-00514-03	3.23	12-00514-03RB	3.07	3.23	No
12-00514-04	3.23	12-00514-18RB	3.08	3.30	Yes
12-00514-05	3.23	12-00514-19RB	3.08	3.30	No
12-00514-06	3.24	12-00514-18RB	3.08	3.30	Yes
12-00514-07	3.24	12-00514-19RB	3.08	3.30	No
12-00514-08	3.25	12-00514-18RB	3.08	3.30	Yes
12-00514-09	3.25	12-00514-19RB	3.08	3.30	No
12-00514-10	3.26	12-00514-18RB	3.08	3.30	Yes
12-00514-11	3.26	12-00514-19RB	3.08	3.30	No
12-00514-12	3.27	12-00514-18RB	3.08	3.30	Yes
12-00514-13	3.27	12-00514-19RB	3.08	3.30	No
12-00514-14	3.28	12-00514-18RB	3.08	3.30	Yes
12-00514-15	3.28	12-00514-19RB	3.08	3.30	No
12-00514-16	3.29	12-00514-18RB	3.08	3.30	Yes
12-00514-17	3.29	12-00514-19RB	3.08	3.30	No
12-00514-18	3.30	12-00514-18RB	3.08	3.30	Yes
12-00514-19	3.30	12-00514-19RB	3.08	3.30	No

Extra / Supra / Ultra / Optima

Logic Board & Cover Assy, Repaired



Before repair	Logic Board	After repair	Logic Board
91-00258-20	12-00324-01	91-00258-20RB	12-00324-01RB
91-00258-21	12-00324-02	91-00258-24RB	12-00324-05RB
91-00258-22	12-00324-03	91-00258-24RB	12-00324-05RB
91-00258-23	12-00324-04	91-00258-24RB	12-00324-05RB
91-00258-24	12-00324-05	91-00258-24RB	12-00324-05RB
91-00258-25	12-00324-06	91-00258-26RB	12-00324-07RB
91-00258-26	12-00324-07	91-00258-26RB	12-00324-07RB
91-00258-27	12-00324-08	91-00258-27RB	12-00324-08RB
91-00258-28	12-00324-09	91-00258-28RB	12-00324-09RB
91-00258-29	12-00324-10	91-00258-32RB	12-00324-13RB
91-00258-30	12-00324-11	91-00258-32RB	12-00324-13RB
91-00258-31	12-00324-12	91-00258-32RB	12-00324-13RB
91-00258-32	12-00324-13	91-00258-32RB	12-00324-13RB
91-00258-42	12-00324-23	91-00258-24RB	12-00324-05RB
91-00258-43	12-00324-24	91-00258-24RB	12-00324-05RB
91-00258-44	12-00324-25	91-00258-24RB	12-00324-05RB
91-00258-45	12-00324-26	91-00258-26RB	12-00324-07RB
91-00258-46	12-00324-27	91-00258-26RB	12-00324-07RB
91-00258-47	12-00324-28	91-00258-27RB	12-00324-08RB
91-00258-48	12-00324-29	91-00258-28RB	12-00324-09RB
91-00258-49	12-00324-30	91-00258-32RB	12-00324-13RB
91-00258-50	12-00324-31	91-00258-32RB	12-00324-13RB
91-00258-51	12-00324-32	91-00258-32RB	12-00324-13RB
91-00258-52	12-00324-33	91-00258-32RB	12-00324-13RB
91-00258-53	12-00324-34	91-00258-32RB	12-00324-13RB
91-00265-20	12-00324-01	91-00265-20RB	12-00324-01RB
91-00265-21	12-00324-02	91-00265-24RB	12-00324-05RB
91-00265-22	12-00324-03	91-00265-24RB	12-00324-05RB
91-00265-23	12-00324-04	91-00265-24RB	12-00324-05RB
91-00265-24	12-00324-05	91-00265-24RB	12-00324-05RB
91-00265-25	12-00324-06	91-00265-26RB	12-00324-07RB
91-00265-26	12-00324-07	91-00265-26RB	12-00324-07RB
91-00265-27	12-00324-08	91-00265-27RB	12-00324-08RB
91-00265-28	12-00324-09	91-00265-28RB	12-00324-09RB
91-00265-29	12-00324-10	91-00265-29RB	12-00324-13RB
91-00265-42	12-00324-23	91-00265-24RB	12-00324-05RB
91-00265-43	12-00324-24	91-00265-24RB	12-00324-05RB
91-00265-44	12-00324-25	91-00265-24RB	12-00324-05RB
91-00265-45	12-00324-26	91-00265-26RB	12-00324-07RB
91-00265-46	12-00324-27	91-00265-26RB	12-00324-07RB
91-00265-47	12-00324-28	91-00265-27RB	12-00324-08RB
91-00265-48	12-00324-29	91-00265-28RB	12-00324-09RB
91-00265-49	12-00324-30	91-00265-29RB	12-00324-13RB
91-00265-80	12-00324-11	91-00265-29RB	12-00324-13RB

Note: Do not return complete control door assy including display module. Please return logic board and cover assy only.

Extra / Supra / Ultra / Optima

Logic Board & Cover Assy, Repaired



Before repair	Logic Board	After repair	Logic Board
91-00265-81	12-00324-12	91-00265-29RB	12-00324-13RB
91-00265-82	12-00324-13	91-00265-29RB	12-00324-13RB
91-00265-90	12-00324-31	91-00265-29RB	12-00324-13RB
91-00265-91	12-00324-32	91-00265-29RB	12-00324-13RB
91-00265-92	12-00324-33	91-00265-29RB	12-00324-13RB
91-00265-93	12-00324-34	91-00265-29RB	12-00324-13RB
91-00280-00	12-00359-00	91-00280-00RB	12-00359-01RB
91-00280-01	12-00359-06	91-00280-05RB	12-00359-12RB
91-00280-02	12-00359-07	91-00280-05RB	12-00359-12RB
91-00280-03	12-00359-08	91-00280-05RB	12-00359-12RB
91-00280-04	12-00359-09	91-00280-05RB	12-00359-12RB
91-00280-05	12-00359-11	91-00280-05RB	12-00359-12RB
91-00280-06	12-00382-02	91-00280-09RB	12-00382-09RB
91-00280-07	12-00382-07	91-00280-09RB	12-00382-09RB
91-00280-08	12-00382-08	91-00280-09RB	12-00382-09RB
91-00280-09	12-00382-09	91-00280-09RB	12-00382-09RB
91-00280-10	12-00382-10	91-00280-10RB	12-00382-10RB
91-00280-11	12-00382-11	91-00280-12RB	12-00382-12RB
91-00280-12	12-00382-12	91-00280-12RB	12-00382-12RB
91-00280-13	12-00382-13	91-00280-18RB	12-00382-30RB
91-00280-14	12-00382-14	91-00280-18RB	12-00382-30RB
91-00280-15	12-00382-15	91-00280-18RB	12-00382-30RB
91-00280-16	12-00382-16	91-00280-18RB	12-00382-30RB
91-00280-17	12-00382-17	91-00280-18RB	12-00382-30RB
91-00280-18	12-00382-19	91-00280-18RB	12-00382-30RB
91-00280-20	12-00359-20	91-00280-00RB	12-00359-01RB
91-00280-21	12-00359-26	91-00280-05RB	12-00359-12RB
91-00280-22	12-00359-27	91-00280-05RB	12-00359-12RB
91-00280-23	12-00359-28	91-00280-05RB	12-00359-12RB
91-00280-24	12-00359-29	91-00280-05RB	12-00359-12RB
91-00280-25	12-00359-31	91-00280-05RB	12-00359-12RB
91-00280-26	12-00382-22	91-00280-09RB	12-00382-09RB
91-00280-27	12-00382-27	91-00280-09RB	12-00382-09RB
91-00280-28	12-00382-28	91-00280-09RB	12-00382-09RB
91-00280-29	12-00382-29	91-00280-09RB	12-00382-09RB
91-00281-41	12-00359-01	91-00281-42RB	12-00359-01RB
91-00281-42	12-00359-00	91-00281-42RB	12-00359-01RB
91-00281-43	12-00359-03	91-00281-44RB	12-00359-04RB
91-00281-44	12-00359-04	91-00281-44RB	12-00359-04RB
91-00281-45	12-00359-06	91-00281-51RB	12-00359-12RB
91-00281-46	12-00359-07	91-00281-51RB	12-00359-12RB
91-00281-47	12-00359-08	91-00281-51RB	12-00359-12RB
91-00281-48	12-00359-09	91-00281-51RB	12-00359-12RB

Note: Do not return complete control door assy including display module. Please return logic board and cover assy only.

Extra / Supra / Ultra / Optima

Logic Board & Cover Assy, Repaired



Before repair	Logic Board	After repair	Logic Board
91-00281-49	12-00359-10	91-00281-49RB	12-00359-10RB
91-00281-50	12-00359-11	91-00281-51RB	12-00359-12RB
91-00281-51	12-00359-12	91-00281-51RB	12-00359-12RB
91-00281-61	12-00359-21	91-00281-42RB	12-00359-01RB
91-00281-63	12-00359-23	91-00281-44RB	12-00359-04RB
91-00281-64	12-00359-24	91-00281-44RB	12-00359-04RB
91-00281-65	12-00359-26	91-00281-51RB	12-00359-12RB
91-00281-66	12-00359-27	91-00281-51RB	12-00359-12RB
91-00281-67	12-00359-28	91-00281-51RB	12-00359-12RB
91-00281-68	12-00359-29	91-00281-51RB	12-00359-12RB
91-00281-69	12-00359-30	91-00281-49RB	12-00359-10RB
91-00281-70	12-00359-31	91-00281-51RB	12-00359-12RB
91-00281-71	12-00359-32	91-00281-51RB	12-00359-12RB
91-00281-72	12-00359-33	91-00281-79RB	12-00359-54RB
91-00281-73	12-00359-34	91-00281-79RB	12-00359-54RB
91-00281-74	12-00359-35	91-00281-79RB	12-00359-54RB
91-00281-75	12-00359-36	91-00281-79RB	12-00359-54RB
91-00281-76	12-00359-37	91-00281-79RB	12-00359-54RB
91-00281-77	12-00359-38	91-00281-79RB	12-00359-54RB
91-00281-78	12-00359-39	91-00281-79RB	12-00359-54RB
91-00281-79	12-00359-54	91-00281-79RB	12-00359-54RB
91-00281-80	12-00359-02	91-00281-80RB	12-00359-05RB
91-00281-81	12-00359-55	91-00281-81RB	12-00359-55RB
91-00281-82	12-00359-56	91-00281-83RB	12-00359-57RB
91-00281-83	12-00359-57	91-00281-83RB	12-00359-57RB
91-00281-84	12-00359-58	91-00281-84RB	12-00359-58RB
91-00288-40	12-00382-00	91-00288-41RB	12-00382-01RB
91-00288-41	12-00382-01	91-00288-41RB	12-00382-01RB
91-00288-42	12-00382-02	91-00288-49RB	12-00382-09RB
91-00288-43	12-00382-03	91-00288-49RB	12-00382-09RB
91-00288-44	12-00382-04	91-00288-49RB	12-00382-09RB
91-00288-45	12-00382-06	91-00288-49RB	12-00382-09RB
91-00288-46	12-00382-07	91-00288-49RB	12-00382-09RB
91-00288-49	12-00382-06	91-00288-49RB	12-00382-09RB
91-00288-60	12-00382-20	91-00288-41RB	12-00382-01RB
91-00288-61	12-00382-21	91-00288-41RB	12-00382-01RB
91-00288-62	12-00382-22	91-00288-49RB	12-00382-09RB
91-00288-63	12-00382-23	91-00288-49RB	12-00382-09RB
91-00288-64	12-00382-25	91-00288-49RB	12-00382-09RB
91-00288-65	12-00382-26	91-00288-49RB	12-00382-09RB
91-00288-66	12-00382-27	91-00288-49RB	12-00382-09RB
91-00288-67	12-00382-27	91-00288-49RB	12-00382-09RB
91-00288-69	12-00382-26	91-00288-49RB	12-00382-09RB
91-00288-90	12-00382-07	91-00288-49RB	12-00382-09RB

Note: Do not return complete control door assy including display module. Please return logic board and cover assy only.

Extra / Supra / Ultra / Optima

Logic Board & Cover Assy, Repaired



Before repair	Logic Board	After repair	Logic Board
91-01128-40	12-00431-00	91-01128-40RB	12-00431-00RB
91-01128-60	12-00431-20	91-01128-40RB	12-00431-00RB
91-01130-40	12-00382-04	91-01130-40RB	12-00382-09RB
91-01130-60	12-00382-24	91-01130-40RB	12-00382-09RB
91-01146-40	12-00382-09	91-01146-40RB	12-00382-09RB
91-01146-41	12-00382-10	91-01146-41RB	12-00382-10RB
91-01146-44	12-00382-12	91-01146-44RB	12-00382-12RB
91-01146-45	12-00382-13	91-01146-52RB	12-00382-30RB
91-01146-46	12-00382-14	91-01146-52RB	12-00382-30RB
91-01146-47	12-00382-15	91-01146-52RB	12-00382-30RB
91-01146-48	12-00382-16	91-01146-52RB	12-00382-30RB
91-01146-49	12-00382-17	91-01146-52RB	12-00382-30RB
91-01146-50	12-00382-18	91-01146-52RB	12-00382-30RB
91-01146-51	12-00382-19	91-01146-52RB	12-00382-30RB
91-01146-52	12-00382-30	91-01146-52RB	12-00382-30RB

Note: Do not return complete control door assy including display module. Please return logic board and cover assy only.

Extra / Genesis / Ultra / Supra / Solara

Cab Command, Repaired



Before repair
 12-00325-00
 12-00325-01
 12-00325-02
 12-00325-03

After repair
 12-00325-00RB
 12-00325-01RB
 12-00325-02RB
 12-00325-03RB

Details
 w/o Holder
 w/o Holder
 w/o Holder
 with Holder

Display Assembly, Repaired



Before repair
 12-00307-00SV

After repair
 12-00307-00RB

Easycold Display Module, Repaired



Before repair
 91-00333-00
 91-00333-01
 91-00333-02
 91-00333-00
 91-00333-01
 91-00333-02

After repair
 91-00333-00RB
 91-00333-01RB
 91-00333-02RB
 91-00333-00SRB
 91-00333-01SRB
 91-00333-02SRB

Details
 Single temp
 MT 2 comp.
 MT 3 comp.
 Incl. Switches
 Incl. Switches
 Incl. Switches

Supra / Ultra

Control Relay Board, Repaired



Before repair
12-00460-01
12-00460-02

After repair
12-00460-02RB
12-00460-02RB

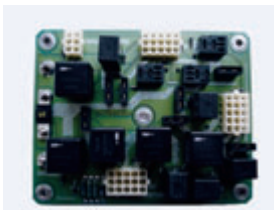
Control Relay Board, Repaired



Before repair
12-00502-00
12-00502-01

After repair
12-00502-01RB
12-00502-01RB

Control Relay Board, Repaired



Before repair
12-00530-00
12-00530-01
12-00530-02

After repair
12-00530-02RB
12-00530-02RB
12-00530-02RB

Auxiliary MT Board, Repaired



Before repair
12-00530-10

After repair
12-00530-10RB

Vector Series

Vector Controller, Repaired



Before repair	After repair
12-00438-01	12-56438-01
12-00438-02	12-56438-02
12-00438-03	12-56438-03
12-00438-04	12-56438-04
12-00438-05	12-56438-05
12-00438-06	12-56438-06
12-00438-07	12-56438-09
12-00438-09	12-56438-09
12-00438-10	12-56438-10
12-00438-11	12-56438-11

Battery Charger 12Vdc / 24Vdc, Repaired



Before repair	After repair	Details
30-00434-01	30-00434-01RB	12 Vdc
30-00434-02	30-00434-02RB	12 Vdc
30-00434-03	30-00434-03RB	12 Vdc
30-00434-04	30-00434-04RB	12 Vdc
30-00434-10	30-00434-10RB	24 Vdc
30-00434-12	30-00434-12RB	24 Vdc
30-00434-13	30-00434-13RB	24 Vdc

Logicold Display module, Repaired



Before repair	After repair	Details
91-00312-00SK	91-00312-00RB	NAO advance
91-00312-01SK	91-00312-01RB	Vector
91-00312-02SK	91-00312-02RB	Vector(no stdby)
91-00312-02SK	91-00312-02SRB	Incl. Switches

Logicold Display assy, Repaired



Before repair	After repair	Details
91-00313-00	91-00313-20RB	NAO advance
91-00313-01	91-00313-21RB	Vector
91-00313-02	91-00313-22RB	Vector(no stdby)
91-00313-10	91-00313-20RB	NAO advance
91-00313-11	91-00313-21RB	Vector
91-00313-12	91-00313-22RB	Vector(no stdby)
91-00313-20	91-00313-20RB	NAO advance
91-00313-21	91-00313-21RB	Vector
91-00313-22	91-00313-22RB	Vector(no stdby)
91-00313-23	91-00313-23RB	NAO MT Vector
91-00313-24	91-00313-24RB	NAO advance

Thermo King Electronics

TG-V Series

Thermostat TG-V OTP, Repaired



Before repair
45-1486
45-1579

After repair
20-45-1486RB
20-45-1579RB

TG-V In-Cab Controller, Repaired



Before repair
41-3305
41-3306
41-3307
41-3308
41-1544

After repair
20-41-3305RB
20-41-3306RB
20-41-3307RB
20-41-3308RB
20-41-1544RB

Details
12Vdc
12Vdc & Modulation
24Vdc
24Vdc & Modulation
SW Rev. 0016

TG-V MT In-Cab Controller, Repaired

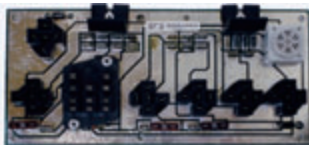


Before repair
41-3310
41-1548

After repair
20-41-3310RB
20-41-1548RB

SW Rev. 0019
SW Rev. 0018

Cycle Sentry Board, Repaired



Before repair
44-9865

After repair
20-44-9865RB

Thermo King Electronics

TG-VI Series

Box Remote Control, Repaired



Before repair
45-1626
45-1866

After repair
20-45-1626RB
20-45-1866RB

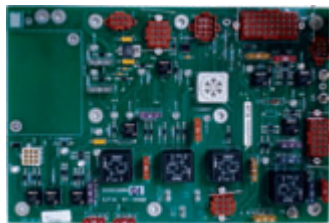
PC board, Repaired



Before repair
41-4981
41-7053

After repair
20-41-4981RB
20-41-7053RB

PC board, Repaired



Before repair
41-4458
41-5366

After repair
20-41-4458RB
20-41-5366RB

Thermo King Electronics

TG-VI Series

TG-VI Cycle Sentry mP-T, Repaired



Before repair
45-1708

After repair
20-45-1708RB

Thermoguard – VI Cycle Sentry, Repaired



Before repair
45-1767

After repair
20-45-1767RB

Thermoguard - VIa, Repaired



Before repair
45-1768

After repair
20-45-1768RB

Thermoguard - VIb, Repaired



Before repair
45-1769

After repair
20-45-1769RB

Thermo King Electronics

Micro P Series

Thermoguard uP V, Repaired



Before repair
45-1789

After repair
20-45-1789RB

Thermoguard uP IV, Repaired



Before repair
45-1440
45-1511
45-1520
45-1524
45-1596
45-1600
45-1441
45-1512
45-1521
45-1525
45-1570
45-1597
45-1601

After repair
20-45-1440RB
20-45-1511RB
20-45-1520RB
20-45-1524RB
20-45-1596RB
20-45-1600RB
20-45-1441RB
20-45-1512RB
20-45-1521RB
20-45-1525RB
20-45-1570RB
20-45-1597RB
20-45-1601RB

Details
w/o Logger
w/o Logger
w/o Logger
w/o Logger
w/o Logger
w/o Logger
With Logger
With Logger
With Logger
With Logger
With Logger
With Logger
With Logger

We can upgrade your Thermoguard without a logger, with a logger.
Upgrade from a 45-1600 to a 45-1601

Multi-Temp uP IV, Repaired



Before repair
45-1784
45-1785

After repair
20-45-1784RB
20-45-1785RB

Details
w/o Logger
With Logger

We can upgrade your Multi-Temp without a logger, with a logger.
Upgrade from a 45-1784 to a 45-1785

Thermo King Electronics

Micro P Series

Smart Reefer uP VI, Repaired



Before repair
45-1930

After repair
20-45-1930RB

Details
With Logger

Smart Reefer MT uP VI, Repaired



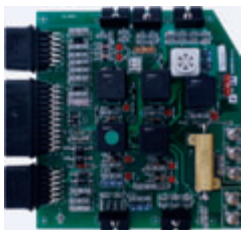
Before repair
45-1962
45-1963

After repair
20-45-1962RB
20-45-1963RB

Details
w/o Logger
With Logger

We can upgrade your Smart Reefer without a logger, with a logger.
Upgrade from a 45-1962 to a 45-1963

Relay Board uP VI/VI+/V, Repaired



Before repair
41-3727
41-733
41-1155
41-3411

After repair
20-41-3727RB
20-41-733RB
20-41-1155RB
20-41-3411RB

Relay Board uP MT, Repaired



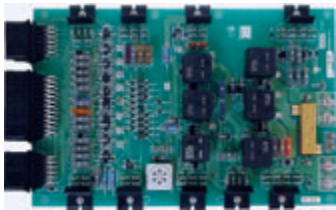
Before repair
41-3562
41-3563
41-5763
41-6931
41-7288

After repair
20-41-3562RB
20-41-3563RB
20-41-5763RB
20-41-6931RB
20-41-7288RB

Thermo King Electronics

Micro P Series

Relay Board uP VI, Repaired



Before repair
41-3061

After repair
20-41-3061RB

Relay Board, Repaired



Before repair
41-1812

After repair
20-41-1812RB

I/O Module uP IV MT, Repaired



Before repair
41-866

After repair
20-41-866RB



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Carrier

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