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Circuit Board Advance Replacement and Repair Policy

Repair and Return

All repairs must be issued an RMA number before they can be returned to DoorKing. Repairs that are returned without prior authorization are subject to lengthy delays. Prior to returning any item to DoorKing, please contact our RMA department for an RMA number and have the following information available: **the model number of the product and the circuit board number, the serial number, and the revision letter.**

Standard flat rate repair charges that are listed on the following pages apply only to products manufactured by DoorKing that are beyond the warranty period and became defective because of random component failure. Standard flat rate repair charges apply only to products that are returned to DoorKing for repair and return. **The standard flat rate repair charge does not apply to products that are returned under an advance replacement RMA.**

The standard repair charges do not apply to products or parts that are deemed by DoorKing to be un-repairable because of vandalism, abuse, improper installation including connection to an improper voltage source, power surges, lightning damage or natural disasters. Additional repair charges will be assessed to replace missing parts or parts damaged beyond repair. Boards that are deemed to be beyond repair will be returned to the owner or scrapped upon written authorization from the owner.

Advance Replacements

Defective or un-used parts that have been advanced to you must be returned to DoorKing within thirty (30) days from the date of the advance replacement invoice.

Not all circuit boards are available for advance replacement. **Advance replacement boards are not guaranteed to be available. You must know the serial number and the revision level of the board that you are requesting an advance replacement for prior to our shipping an advance replacement board to you.**

Out of warranty advance replacement repair charges are billed at a higher rate than the standard flat rate repair and return charge.

Obsolete Board Repair and Replacement (Upgrade) Information

Many early model circuit boards are not available for advance replacement and cannot be repaired. These boards are identified in the tables on the following pages.

Upgrade: The upgrade option allows you to replace an old circuit board with a new current production circuit board at a reduced rate. When choosing this option, the upgrade charge includes any additional parts required to install the new circuit board into the telephone entry / access control system. The upgrade option also carries a two-year warranty on the circuit board.

If you choose the upgrade option as an advance replacement, the reduced rate upgrade charge will not be applicable until the replaced circuit board and memory chips are returned to DoorKing. Otherwise, you will be responsible for payment in full of the new circuit board and memory chips sent to you under the advance replacement program.

Shipping Charges

DoorKing pays UPS ground shipping charges one way only on warranty advance replacement items. If any other means of shipping (UPS red, blue, etc.) is requested, you are responsible for the difference between that method and UPS ground charges. Shipping charges for the return of advance replacement items are the responsibility of the customer. All shipping charges for non-warranty repair items are the responsibility of the customer.

Repair Warranty

Circuit boards repaired by DoorKing are warranted for a period of ninety (90) days from the date of repair. This warranty covers bench repairs only. For this warranty to be in effect, any product or parts must be returned to DoorKing freight prepaid. DoorKing is not responsible for any cost incurred involving on site service calls, or labor charges incurred in the removal or replacement of any parts. **This warranty does not apply to products or parts damaged because of vandalism, abuse, improper installation including connection to an improper voltage source, power surges, lightning damage or natural disasters.**

Telephone Entry System Circuit Boards

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
1802-010	1802, 1804-1 1808, 1810-1	All	No	No	No	No upgrade available.
1804-010	1803-2, 1804-2 1810-2	All	No	No	No	No upgrade available.
1833-010	1833	D – R	No	No	Upgrade Schedule K	Use upgrade option.
1833-010	1833	S or Higher	Yes	Yes		Upgrade K replaces board with the most current level board revision.
1834-010	1834	D - T	No	No	Upgrade Schedule K	Use upgrade option.
1834-010	1834	U or Higher	Yes	Yes		
1834-009	1834 Wall Mount Only	D - T	No	No	Upgrade Schedule K	Use upgrade option.
1834-009	1834 Wall Mount 1834 90 Series	U or Higher	Yes	Yes		Upgrade K replaces board with the most current level board revision.
1835-010	1835	D – U	No	No	Upgrade Schedule K	Use upgrade option.
1835-010	1835	V or Higher	Yes	Yes		Upgrade K replaces board with the most current level board revision.
1835-009	1835 Wall Mount Only	D – U	No	No	Upgrade Schedule K	Use upgrade option.
1835-009	1835 Wall Mount 1835 90 Series	V or Higher	Yes	Yes		Upgrade K replaces board with the most current level board revision.
1837-010	1837	D – U	No	No	Upgrade Schedule K	Use upgrade option.
1837-010	1837	V or Higher	Yes	Yes		Upgrade K replaces board with the most current level board revision.
1838-010	1838	A - U	No	No	Upgrade Schedule K	Use upgrade option.
1838-010	1838	V or Higher	Yes	Yes	Upgrade Schedule K	Upgrade K replaces board with the most current level board revision.
1840-010	1815	All	No	No	Upgrade Schedule A	Use upgrade option.
1841-010	1817	All	No	No	No	No upgrade available.
1842-010	1818	All	No	No	Upgrade Schedule C	Use upgrade option.
1843-010	1814	All	No	No	Upgrade Schedule D	Use upgrade option.
1844-010	1803 PC	All	No	No	Upgrade Schedule I	Use upgrade option.
1850-010	1814	A - I	No	No	No	No upgrade available.
1850-010	1814	J – R	No	No	Upgrade Schedule D	Use upgrade option.
1851-010	1814 P	All	No	No	Upgrade Schedule D	Use upgrade option.
1852-010	1815	All	No	No	Upgrade Schedule A	Use upgrade option.
1853-010	1817	All	No	No	Upgrade Schedule B	No upgrade available.
1854-010	1818	All	No	No	Upgrade Schedule C	Use upgrade option.
1855-010	1815	All	No	No	Upgrade Schedule A	Use upgrade option.
1856-010	1817	All	No	No	Upgrade Schedule B	No upgrade available.
1857-010	1818	All	No	No	Upgrade Schedule C	Use upgrade option.
1860-010	1802, 1803-1 1804-1, 1808 1810-1	All	No	No	Upgrade Schedule E	Use upgrade option.

Telephone Entry System Circuit Boards

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
1862-010	1802, 1803 1808, 1810	A - N	No	No	Upgrade Schedule N	Use upgrade option.
1862-010	1802, 1803 1808, 1810	O or Higher	Yes	Yes		
1863-010	1802P, 1803P 1808P, 1810P	A - H	No	No		
1863-010	1802P, 1803P 1808P, 1810P	I or Higher	Yes	Yes		
1865-010	1803-2, 1804-2 1810-2	All	No	No	Upgrade Schedule F	Use upgrade option.
1870-010	1812	All	No	No	Upgrade Schedule H	Use upgrade option.
1871-010	1812	A - Z	No	No	Upgrade Schedule J	Use upgrade option.
1871-010	1812	AA - Higher	Yes	Yes		
1880-010	1816	All	No	No	No	
1885-010	1816 / 1820	H - R	No	No		
1885-010	1816 / 1820	S - Higher	Yes	Yes		
1971-010	1812 Plus	A - P Q - Higher	No Yes	No Yes		
1970-010	1802AP, 1808AP, 1810AP, 1812AP, 1838AP	A - P Q - Higher	No Yes	No Yes		

Telephone Entry System Circuit Boards

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
1597-010	1814-075	All	No	No	Yes	Secondary keypad board. Replace if faulty.
1598-010	All	All	No	No	Yes	Secondary keypad interface board. Replace if faulty.
1807-010	1803, 1804 1810	All	No	No	No	Old style programming display. No replacement available.
1875-010	1812	All	No	No	Yes	By-pass switch. Replace if faulty.
1881-010	1816	D - F	No	No		1816 decoder board.
1881-010	1816	G - Higher	Yes	Yes		1816 decoder board.
1882-010	1816	All	No	No	No	1816 relay board.
1884-010	1820	All	Yes	Yes		1820 Line Interface Board
1886-010	1820	All	Yes	Yes		1820 Power Supply Board
1890-010	1802, 1803, 1810	All	Yes	Yes		Programming display for 1862 board.
1896-010	1814	All	No	No	No	Old style small directory. No replacement available.
1897-010	All	All	No	No	No	Microphone board. Replace with 1998-010 if faulty.
1982-010	1816	All	Yes	Yes		1816 relay board
1998-010	All	All	No	Yes	Yes	Microphone board. Replace if faulty.
1898-010	1803, 1804 1810	All	No	No	No	Vacuum fluorescent programming display. No replacement available.
1899-010	1704, 1720, 1804	All	No	No	No	Fluorescent light kit ballast assembly.

Elevator Control & Tracker Expansion

2348-010	2348-0xx	A-C	No	No	Yes	Elevator control board.
2348-010	2348-0xx	D - Higher	Yes	Yes	Yes	Elevator control board.
2351-010	2351-08x	All	No	No	Yes	Tracker expansion board – Obsolete. Replace with 2358-010.
2358-010	2351-08x	All	Yes	Yes	Yes	Tracker expansion board

Wireless Circuit Boards

1470-010	1470-080	All	Yes	Yes	Yes	Expansion board kit 900 MHz
1489-010	1489-080	All	Yes	Yes	Yes	Expansion board kit 2.4 GHz
2332-010	2332-080	All	Yes	Yes	Yes	Dual band repeater 900 MHz
2333-010	2333-080	All	Yes	Yes	Yes	Baseboard kit 900 MHz
2360-010	2361-080	All	Yes	Yes	Yes	Baseboard kit 2.4 GHz
2366-010	2364-080	All	Yes	Yes	Yes	Single band repeater 2.4 GHz
2372-010	2372-080	All	Yes	Yes	Yes	Dual band repeater 2.4 GHz

Cellular System Circuit Boards

1800-009	1800-081	All	Yes	Yes	Yes	Voice + date for AP systems only.
1800-010	1800-080	All	Yes	Yes	Yes	Voice + date for 1830 series systems.
1801-010	1801-080	All	Yes	Yes	Yes	Voice only.

Telephone Entry System Circuit Boards

1800 Series Boards		
Code	Description	List
Repair A	1801-010 Repair and return only.	240.00

1830 Series Boards		
Repair A	1833-010 Repair and return.	240.00
XCHG A	1833-010 Advance replacement.	320.00
Repair A	1834-010 Repair and return.	240.00
XCHG A	1834-010 Advance replacement.	320.00
Repair A	1834-009 Repair and return.	240.00
XCHG A	1834-009 Advance replacement.	320.00
Repair A	1835-010 Repair and return.	240.00
XCHG A	1835-010 Advance replacement.	320.00
Repair A	1835-009 Repair and return.	240.00
XCHG A	1835-009 Advance replacement.	320.00
Repair A	1837-010 Repair and return.	240.00
XCHG A	1837-010 Advance replacement.	320.00
Repair A	1838-010 Repair and return.	240.00
XCHG A	1838-010 Advance replacement.	320.00

1860 Series Boards		
Repair A	1862-010 Repair and return.	240.00
XCHG A	1862-010 Advance replacement.	320.00
Repair A	1863-010 Repair and return.	240.00
XCHG A	1863-010 Advance replacement.	320.00

1870 Series Boards		
Repair A	1871-010 Repair and return.	240.00
XCHG A	1871-010 Advance replacement.	320.00

1880 Series Boards		
Repair A	1881-010 Repair and return.	240.00
Repair D	1882-010 Repair and return.	140.00
Repair D	1884-010 Repair and return.	140.00
XCHG D	1884-010 Advance replacement.	180.00
Repair A	1885-010 Repair and return.	240.00
XCHG A	1885-010 Advance replacement.	320.00
Repair D	1982-010 Repair and return.	140.00
XCHG D	1982-010 Advance replacement.	180.00

Telephone Entry System Miscellaneous Boards

2300 Series Boards		
Repair A XCHG A	2348-010 Repair and return. 2348-010 Advance replacement.	240.00 320.00
Repair D XCHG D	2358-010 Repair and return. 2358-010 Advance replacement.	140.00 180.00

Telephone Entry System Circuit Board Upgrades

1830 Series Upgrade		
Code	Description	List
Upgrade M	1834 to 1835 Upgrade Replaces 1834 circuit board with the 1835 circuit board. Memory chip included.	1300.00
Upgrade K	1833, 1834, 1835, 1837, 1838 Board Upgrade Replaces older 1830 series circuit board with current 1830 series circuit board. Memory chips (same size) included.	1300.00

1850 / 1840 Series Board Upgrades		
Upgrade A	1852, 1855, 1840 Board Upgrade Replaces 1852, 1855 or 1840 circuit board (1815 systems) with 1835 circuit board. Software and memory chips (same size) included.	1300.00
Upgrade C	1854, 1857, 1842 Board Upgrade Replaces 1854, 1857 or 1842 circuit board (1818 systems) with 1838 circuit board. Software and memory chips (same size) included.	1300.00
Upgrade D	1850, 1851, 1843 Board Upgrade Replaces 1850, 1851 or 1843 circuit board (1814 systems) with 1834 circuit board. Software and memory chips (same size) included.	1300.00
Upgrade I	1844 Board Upgrade Replaces 1844 circuit board (1803 PC systems) with 1833 circuit board. Software and memory chips (same size) included.	1300.00

1860 Series Board Upgrades		
Upgrade E	1860 Board Upgrade Replaces 1860 circuit board with 1862 circuit board. Includes display & memory chips of same size as those in board being upgraded.	670.00
Upgrade F	1865 Board Upgrade Replaces 1865 circuit board with 1862 circuit board. Includes display, terminal strip & memory chips of same size as those in board being upgraded.	638.00
Upgrade N	1862 Board Upgrade Replaces older 1862 circuit board with current 1862 circuit board. Includes display, terminal strip & memory chips of same size as those in board being upgraded.	670.00

1870 Series Board Upgrades		
Upgrade H	1870 Board Upgrade Replaces 1870 circuit board with 1871 circuit board. Includes 1812-075 conversion kit.	976.00
Upgrade J	1871 Board Upgrade Replaces 1871 Rev A – Z circuit board with current 1871 circuit board.	866.00

1970 Series Board Upgrades		
Upgrade J	1970 Board Upgrade Replaces 1970 Rev A – Q circuit board with current 1970 circuit board.	866.00
Upgrade J	1971 Board Upgrade Replaces 1971 Rev A – Q circuit board with current 1971 circuit board.	866.00

Access Control Products Circuit Boards

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
1500-009	Wiegand Keypads	All	No	No	1515-009	New circuit board.
1500-010	1503, 1504	All	No	No	1515-010	New circuit board.
1502-010	1502, 1504	All	No	No	1515-010	New circuit board.
1503-010	1503, 1504	All	No	No	1515-010	New circuit board.
1505-009	1520	A - D	No	No		
1505-009	1520	E - Higher	Yes	Yes		
1506-010	1506, 1504	A - K	No	No	No	
1506-010	1506, 1504	L - Higher	Yes	Yes		
1508-010	1508	All	No	No	No	
1513-010	1513	A - D	Yes	No		
1513-010	1513	E - Higher	Yes	Yes		
1515-009	Wiegand Keypads	All	Yes	Yes	Yes	
1515-010	1515	All	Yes	Yes		
1587-010	Printer Interface	All	No	No	Yes	Replace if faulty.
1588-010	1508	All	No	No	No	
1589-010	1508	All	No	No	No	
1596-010	1507, 1514	All	No	No	No	
1597-010	Secondary Keypad Interface	All	No	No	Yes	Replace if faulty.
1599-010	1506, 1504	F - Higher	No	No	Yes	Replace if faulty.
2354-010	RS-485 Devices	E - F	Yes	No		RS-485 Wiegand Interface Board
2354-010	RS-485 Devices	G - Higher	Yes	Yes		RS-485 Wiegand Interface Board
8040-080	8040	All	Yes	Yes		
8054-xxx	8054	All	Yes		Yes	
8055-xxx	8055	All	Yes		Yes	
8056-xxx	8056	All	No	No		Replace with 8040 receiver
8057-xxx	8057	All	Yes		Yes	
8059-xxx	8059	All	No	No		Replace with 8040 receiver

Access Systems Major Components

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
1894-040	Color CCTV Camera	D or Higher	No	Yes		Cameras are sent to the vendor for warranty repair / replacement.
1812-145	Color CCTV Camera	D or Higher	No	Yes		
1812-147	Color CCTV Camera	D or Higher	No	Yes		

Access Control System Circuit Boards

1500 Series Boards		
Code	Description	List
Repair D	1515-010 Repair and return.	140.00
XCHG D	1515-010 Advance replacement.	180.00
Repair D	1506-010 Repair and return.	140.00
XCHG D	1506-010 Advance replacement.	180.00
Repair D	1513-010 Repair and return.	140.00
XCHG D	1513-010 Advance replacement.	180.00
Repair D	1505-009 Repair and return.	140.00
XCHG D	1505-009 Advance replacement.	180.00
1800 Series Boards		
Repair A	1838-010 Repair and return.	240.00
XCHG A	1838-010 Advance replacement.	320.00
2300 Series Boards		
Repair D	2354-010 Repair and return.	140.00
XCHG D	2354-010 Advance replacement.	180.00

Gate Operator Circuit Boards

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
1473-010	Pre-2016 operators only	All	Yes	Yes		Replaces 2340 circuit board. Use Kit P/N 1473-121.
1601-010	1601	D - Y	No	No	Yes	Replace with current production board.
1601-010	1601, 1602	Z - AH - Higher	Yes	Yes		
2340-010	1601, 1602, 1603, 6100, 6300, 9150, 9300, 9310	All	No	No		Replace with 1473-121 board kit.
2355-010	1000	A - J	No	No		Replace with current production board.
2355-010	1000	K - Higher	Yes	Yes	Yes	Model 1000 Inverter circuit board.
4001-010	240, 480, 600, 800, 1000	All	No	No	Yes	Replace with new 4502-009 board.
4100-010	6524, 9024	AA - AF	Yes	Yes		Replace with 4100-018.
4100-012	6524, 9024	H - O	Yes	Yes		Use with Pre 2016 models only.
4100-018	6524, 9024	All	Yes	Yes		
4201-010	605, 805 mfg. prior to 6/93	All	No	No	Yes	Replace with new 4502-009 board (requires 4001-020 terminal strip and rewire).
4302-010	6002, 6003, 6004, 6400	AA - AC	Yes	Yes		Replace with 4302-018
4302-012	6002, 6003, 6004, 6005, 6400	D - O	No	No		Use with pre 2016 models only.
4302-012	6002, 6003, 6004, 6005, 6400	P or Higher	Yes	Yes		Use with Pre 2016 models only.
4302-018	6003, 6004, 6005, 6400	All	Yes	Yes	Yes	
4402-012	1150, 9200, 9300	B - H	No	No		Use with pre 2016 models only.
4402-012	1150, 9200, 9300	I or Higher	Yes	Yes		Use with pre 2016 models only.
4403-012	9310	C - N	No	No		Use with pre 2016 models only.
4403-012	9310	M or Higher	Yes	Yes		Use with pre 2016 models only.
4404-010	9210, 9220 9230, 9235, 9240, 9530 9550, 9555, 9575	AA - AB	Yes	Yes		Replace with 4404-018.
4404-012	9210, 9220 9230, 9235, 9240, 9530 9550, 9555, 9575	B - E	No	No		Use with Pre 2016 models only.
4404-012	9210, 9220 9230, 9235, 9240, 9530 9550, 9555, 9575	F or Higher	Yes	Yes		Use with Pre 2016 models only.
4404-018	9210, 9220 9230, 9235, 9240, 9530 9550, 9555, 9575	All	Yes	Yes		
4405-010	6500, 6550, 9000	AA - AB	Yes	Yes		Replace with 4405-018.
4405-012	1175, 6500, 6550, 9000	A - F	No	NO		Use with Pre 2016 models only.
4405-012	1175, 6500, 6550, 9000	G - Higher	Yes	Yes		Use with Pre 2016 models only.
4405-018	1175, 6500, 6550, 9000	All	Yes	Yes		

Gate Operator Circuit Boards

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
4501-010	240, 480, 600, 601, 602, 605,610, 615, 620, 625, 805, 810, 815	All	No	No		Replace with 4502-009.
4502-009	240, 480, 600, 601, 602, 605,610, 615, 620, 625, 805, 810, 815	N - Higher	Yes	Yes		
4502-010	6050, 6100, 6300	AA - AC	Yes	Yes		Replace with 4502-018.
4502-012	6050, 6100, 6300	A - N	No	No		Use with Pre 2016 models only.
4502-012	6050, 6100, 6300	O or Higher	Yes	Yes		Use with Pre 2016 models only.
4502-018	6050, 6100, 6300	All	Yes	Yes		
4601-010	910, 915, 920, 1100	All	No	No		Replace with 4602-009.
4602-009	910, 915, 920, 1100	S - Higher	Yes	Yes		
4602-010	9100, 9150	AA - AB	Yes	Yes		Replace with 4602-018.
4602-012	9100, 9150	A - S	No	No		Use with Pre 2016 models only.
4602-012	9100, 9150	T or Higher	Yes	Yes		Use with Pre 2016 models only.
4602-018	9100, 9150	All	Yes	Yes		
4701-010	905, 907	All	No	No		Replace with 4702-009.
4702-009	905, 907	J - Higher	Yes	Yes		
4702-010	9050, 9070	AA - AB	Yes	Yes		Replace with 4702-018.
4702-012	9050, 9070	A - H	No	No		Use with pre 2016 models only.
4702-012	9050, 9070	I or Higher	Yes	Yes		Use with pre 2016 models only.
4702-018	9050	All	Yes	Yes		

Gate Operator Circuit Boards

Swing Gate Operators		
Code	Description	List
Repair A	4302 All boards - Repair and return.	240.00
XCHG A	4302 All boards - Advance replacement.	320.00
Repair A	4405 All boards - Repair and return.	240.00
XCHG A	4405 All boards - Advance replacement (Rev M and higher only).	320.00
Repair A	4502 All boards - Repair and return.	240.00
XCHG A	4502 All boards - Advance replacement.	320.00
Slide Gate Operators		
Repair A	4402 All boards - Repair and return.	240.00
XCHG A	4402 All boards - Advance replacement.	320.00
Repair A	4403 All boards - Repair and return.	240.00
XCHG A	4403 All boards - Advance replacement.	320.00
Repair A	4404 All boards - Repair and return.	240.00
XCHG A	4404 All boards - Advance replacement.	320.00
Repair A	4602 All boards - Repair and return.	240.00
XCHG A	4602 All boards - Advance replacement.	320.00
Repair A	4702 All boards - Repair and return.	240.00
XCHG A	4702 All boards - Advance replacement.	320.00
Barrier and Overhead Gate Operators		
Repair A	1601 All boards - Repair and return.	240.00
XCHG A	1601 All boards - Advance replacement (Rev W and higher only).	320.00
Repair A	4402 All boards (1150 operator) - Repair and return.	240.00
XCHG A	4402 All boards (1150 operator) - Advance replacement.	320.00
Repair A	4405 All boards (1175 operator) - Repair and return.	240.00
XCHG A	4405 All boards (1175 operator) - Advance replacement.	320.00
Power Inverter / Backup		
Repair D	2355-010 Repair and return.	140.00
XCHG D	2355-010 Advance replacement (Rev W and higher only).	180.00

Counter and Accessory Boards

Accessory Boards		
Repair D	1473-010 Repair and return.	140.00
XCHG D	1473-010 Advance replacement.	180.00
Repair D	2355-010 Repair and return.	140.00
XCHG D	2355-010 Advance replacement.	180.00

Loop Detectors

Circuit Board	Model(s) Used On	REV	Options Available			Notes
			Repair	Advance	Replace	
9409-010	Loop Detector	A - G	No	No		Replace detector.
9409-010	Loop Detector	H - Higher	Yes	Yes		
9410-010	Loop Detector	A - G	No	No		Replace detector.
9410-010	Loop Detector	H - Higher	Yes	Yes		
9411-010	Loop Detector	All	Yes	Yes		
9415-010	Loop Detector	All	No	Yes		
9416-010	Loop Detector	All	No	Yes		

Loop Detector Boards		
Code	Description	List
Repair E	9409-010 Repair and return.	80.00
XCHG E	9409-010 Advance replacement.	100.00
Repair E	9410-010 Repair and return.	80.00
XCHG E	9410-010 Advance replacement.	100.00