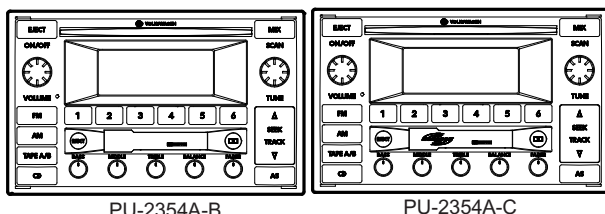


Service Manual



VOLKSWAGEN Automobile
Genuine AM/FM Radio Cassette/
CD Stereo

Model **PU-2354A-B**
(Genuine No.3B7 035 180D)

Model **PU-2354A-C**
(Genuine No.3B7 035 180E)

ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Model PU-2354A.

Original model	Manual No.
PU-2354A	298-5989-00

DIFFERENCE FROM ORIGINAL SERVICE MANUAL

1. Switch PWB Change
(LED layout change)
2. Some parts of escutcheon section
3. System control IC/Display control IC

COMPONENTS

PU-2354A-B/PU-2354A-C

Main unit ----- 1

NOTE

- * We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- * This unit is used the special adjustment jig for measuring.
- * Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
- * "DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- * Specifications and design are subject to change without notice for further improvement.

To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

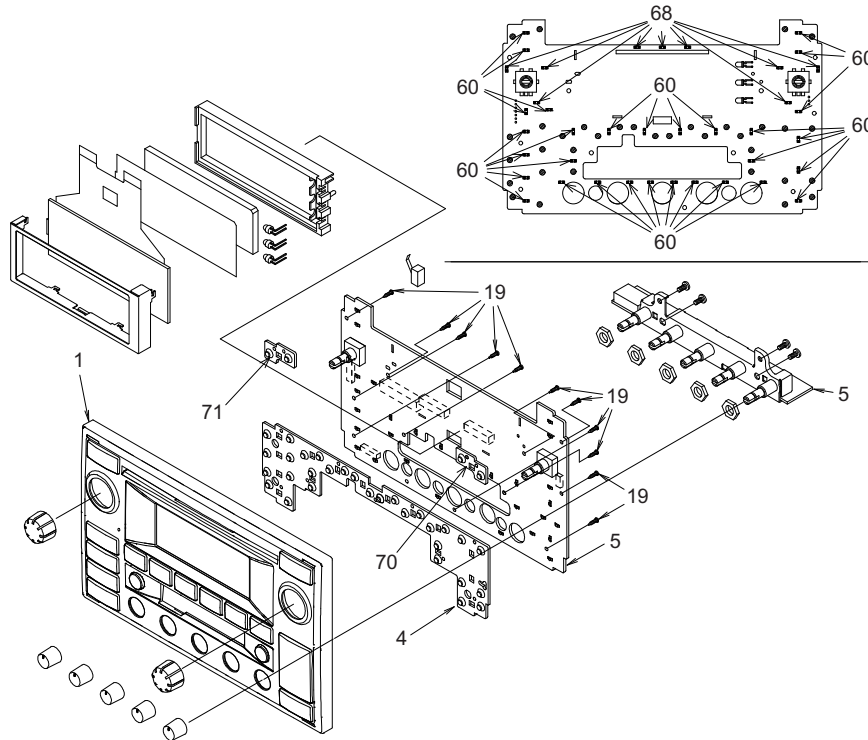
Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

EXPLODED VIEW / PARTS LIST

Difference the following parts in the parts list.(Page 6 and 7)

Main section



NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8003-00 940-8003-10	ESCUTCHEON ASSY(A-B) ESCUTCHEON ASSY(A-C)	1
4	345-5213-00	RUBBER SWITCH	1
5	039-2287-00	SWITCH PWB (WITHOUT COMPONENT)	1
19	716-0778-10	WAVE SCREW	11
51	286-6191-00 286-6207-00	SETPLATE(A-B) SETPLATE(A-C)	1

NO.	PART NO.	DESCRIPTION	Q'TY
60	001-7048-91	LED	30
68	001-7031-81	LED	9
70	345-5212-00	RUBBER SWITCH	1
71	345-5211-00	RUBBER SWITCH	1

Other parts of PU-2354A-B/A-C are the same as PU-2354A.

ELECTRICAL PARTS LIST

Difference the following parts in the parts list(Page 12)

Main PWB(B1) section

REF No.	PART No.	DESCRIPTION
IC400	052-3156-00	MB90594GPF-G-128

Change(Page 14 and 15)

Switch PWB(B3) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C700	168-1042-78	16V 0.1uF	C717	168-1042-78	16V 0.1uF	C821	168-1042-78	16V 0.1uF
C701	168-1032-55	0.01uF	C719	042-0427-94	16V47uF TAN	C822	168-1042-78	16V 0.1uF
C702	168-1032-55	0.01uF	C720	168-1032-55	0.01uF	C823	168-1042-78	16V 0.1uF
C703	168-1032-55	0.01uF	C721	042-0595-56	6.3V47uF	C824	168-1042-78	16V 0.1uF
C704	168-1032-55	0.01uF	C722	168-1042-78	16V 0.1uF	C825	042-0595-70	35V4.7uF
C705	168-1032-55	0.01uF	C723	168-1222-55	1200pF	C826	042-0595-70	35V4.7uF
C706	168-2232-55	0.022uF	C724	168-3322-55	3300pF	C827	042-0595-70	35V4.7uF
C707	168-2232-55	0.022uF	C800	168-1032-55	0.01uF	D700	001-0516-90	MA111
C708	166-1201-50	12pF CH	C801	168-1032-55	0.01uF	D701	001-0516-90	MA111
C709	166-1201-50	12pF CH	C802	168-1032-55	0.01uF	D702	001-0516-90	MA111
C710	166-1601-50	16pF	C803	168-1032-55	0.01uF	D703	001-0516-90	MA111
C711	166-1601-50	16pF	C804	168-1032-55	0.01uF	D704	001-7031-81	VR1112H-22
C714	168-1042-78	16V 0.1uF	C820	168-1042-78	16V 0.1uF	D705	001-7031-81	VR1112H-22

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D720	001-7031-81	VR1112H-22	R700	119-1531-15	1/10W 15k ohm	R784	119-1811-15	1/10W 180 ohm
D721	001-7048-91	RFR1112H-22-TR	R702	119-0000-05	1/10W 0 ohm JW	R786	119-1811-15	1/10W 180 ohm
D722	001-7031-81	VR1112H-22	R703	119-1031-15	1/10W 10k ohm	R787	119-1811-15	1/10W 180 ohm
D723	001-7048-91	RFR1112H-22-TR	R704	119-1031-15	1/10W 10k ohm	R790	119-2231-15	1/10W 22k ohm
D724	001-7048-91	RFR1112H-22-TR	R705	119-1031-15	1/10W 10k ohm	R791	119-1821-15	1/10W 1.8k ohm
D725	001-7048-91	RFR1112H-22-TR	R706	119-1031-15	1/10W 10k ohm	R792	119-1041-15	1/10W 100k ohm
D726	001-7048-91	RFR1112H-22-TR	R707	119-1031-15	1/10W 10k ohm	R793	119-1041-15	1/10W 100k ohm
D727	001-7048-91	RFR1112H-22-TR	R708	119-1031-15	1/10W 10k ohm	R794	119-1041-15	1/10W 100k ohm
D729	001-7048-91	RFR1112H-22-TR	R709	119-1031-15	1/10W 10k ohm	R795	119-1041-15	1/10W 100k ohm
D730	001-7048-91	RFR1112H-22-TR	R710	119-1031-15	1/10W 10k ohm	R796	119-1041-15	1/10W 100k ohm
D731	001-7048-91	RFR1112H-22-TR	R712	119-1031-15	1/10W 10k ohm	R800	119-4721-15	1/10W 4.7k ohm
D732	001-7031-81	VR1112H-22	R713	119-1031-15	1/10W 10k ohm	R801	119-4721-15	1/10W 4.7k ohm
D733	001-7048-91	RFR1112H-22-TR	R714	119-1031-15	1/10W 10k ohm	R820	119-1031-15	1/10W 10k ohm
D734	001-7048-91	RFR1112H-22-TR	R716	119-1041-15	1/10W 100k ohm	R821	119-1031-15	1/10W 10k ohm
D735	001-7048-91	RFR1112H-22-TR	R717	119-1041-15	1/10W 100k ohm	R822	119-1031-15	1/10W 10k ohm
D736	001-7048-91	RFR1112H-22-TR	R718	119-1041-15	1/10W 100k ohm	R824	119-1051-15	1/10W 1M ohm
D737	001-7048-91	RFR1112H-22-TR	R719	119-6831-15	1/10W 68k ohm	R825	119-1051-15	1/10W 1M ohm
D738	001-7048-91	RFR1112H-22-TR	R720	119-6821-15	1/10W 6.8k ohm	R826	119-4741-15	1/10W 470k ohm
D739	001-7048-91	RFR1112H-22-TR	R721	119-6821-15	1/10W 6.8k ohm	R827	119-1031-15	1/10W 10k ohm
D740	001-7048-91	RFR1112H-22-TR	R723	119-5621-15	1/10W 5.6k ohm	R828	119-1221-15	1/10W 1.2k ohm
D741	001-7048-91	RFR1112H-22-TR	R726	119-3321-15	1/10W 3.3k ohm	R829	119-5621-15	1/10W 5.6k ohm
D742	001-7048-91	RFR1112H-22-TR	R727	119-3921-15	1/10W 3.9k ohm	R830	119-3921-15	1/10W 3.9k ohm
D743	001-7048-91	RFR1112H-22-TR	R729	119-1821-15	1/10W 1.8k ohm	R831	119-5621-15	1/10W 5.6k ohm
D744	001-7048-91	RFR1112H-22-TR	R730	119-1821-15	1/10W 1.8k ohm	R832	119-4721-15	1/10W 4.7k ohm
D745	001-7048-91	RFR1112H-22-TR	R732	119-5621-15	1/10W 5.6k ohm	R833	119-1821-15	1/10W 1.8k ohm
D746	001-7048-91	RFR1112H-22-TR	R735	119-3321-15	1/10W 3.3k ohm	R834	119-5621-15	1/10W 5.6k ohm
D747	001-7048-91	RFR1112H-22-TR	R736	119-3321-15	1/10W 3.3k ohm	R835	119-5621-15	1/10W 5.6k ohm
D748	001-7048-91	RFR1112H-22-TR	R738	119-3321-15	1/10W 3.3k ohm	R836	119-2221-15	1/10W 2.2k ohm
D749	001-4305-21	UDZSTE-17 6.2B	R739	119-3321-15	1/10W 3.3k ohm	R837	119-2221-15	1/10W 2.2k ohm
D751	001-0516-90	MA111	R741	119-2221-15	1/10W 2.2k ohm	R838	119-2221-15	1/10W 2.2k ohm
D752	001-7048-91	RFR1112H-22-TR	R744	119-1821-15	1/10W 1.8k ohm	R839	119-2221-15	1/10W 2.2k ohm
D753	001-7048-91	RFR1112H-22-TR	R747	119-1221-15	1/10W 1.2k ohm	R840	119-1221-15	1/10W 1.2k ohm
D754	001-7048-91	RFR1112H-22-TR	R748	119-1821-15	1/10W 1.8k ohm	R841	119-1821-15	1/10W 1.8k ohm
D755	001-7031-81	VR1112H-22	R750	119-5621-15	1/10W 5.6k ohm	R842	119-1221-15	1/10W 1.2k ohm
D756	001-7035-02	LB3336-N.P	R753	119-1821-15	1/10W 1.8k ohm	R843	119-4721-15	1/10W 4.7k ohm
D757	001-7035-02	LB3336-N.P	R754	119-1821-15	1/10W 1.8k ohm	R844	119-5621-15	1/10W 5.6k ohm
D758	001-7035-02	LB3336-N.P	R756	119-1221-15	1/10W 1.2k ohm	R845	119-1221-15	1/10W 1.2k ohm
D759	001-7031-81	VR1112H-22	R757	119-1221-15	1/10W 1.2k ohm	R846	119-1221-15	1/10W 1.2k ohm
D760	001-7031-81	VR1112H-22	R759	119-1031-15	1/10W 10k ohm	R847	119-1221-15	1/10W 1.2k ohm
D761	001-7048-91	RFR1112H-22-TR	R760	119-1031-15	1/10W 10k ohm	R848	119-1821-15	1/10W 1.8k ohm
D762	001-7031-81	VR1112H-22	R761	119-1011-15	1/10W 100 ohm	R850	119-5621-15	1/10W 5.6k ohm
D790	001-7048-91	RFR1112H-22-TR	R763	119-1041-15	1/10W 100k ohm	R851	119-6821-15	1/10W 6.8k ohm
IC700	052-3157-00	MB90587CPF-G-131	R764	119-2221-15	1/10W 2.2k ohm	R852	119-6821-15	1/10W 6.8k ohm
J700	074-1151-20	20P	R766	119-1031-15	1/10W 10k ohm	S600	013-7104-00	SPPB6A
J800	074-1151-08	8P	R767	119-1031-15	1/10W 10k ohm	TH700	002-0306-90	SC20-3J153
L701	010-2199-74	10uH J	R768	119-1031-15	1/10W 10k ohm	VR800	016-0022-00	EC11B15243
P800	076-0540-08	8P	R769	119-5621-15	1/10W 5.6k ohm	VR801	016-0021-00	EC11B20243
P803	074-1059-76	26P	R770	119-5621-15	1/10W 5.6k ohm	VR802	016-4155-00	VARIABLE-R
P804	074-1059-76	26P	R771	119-1031-15	1/10W 10k ohm	VR803	016-4155-00	VARIABLE-R
Q720	133-1766-00	2SD1766	R774	119-5621-15	1/10W 5.6k ohm	VR804	016-4155-00	VARIABLE-R
Q721	192-2412-00	2SC2412	R775	119-0000-05	1/10W 0 ohm JW	VR805	016-4155-00	VARIABLE-R
Q722	190-1162-00	2SA1162	R778	119-0000-05	1/10W 0 ohm JW	VR806	016-4155-00	VARIABLE-R
Q723	192-2412-00	2SC2412	R780	119-1811-15	1/10W 180 ohm	VR807	012-4863-14	1M ohm
Q724	191-1123-00	2SB1123	R781	119-1811-15	1/10W 180 ohm	X700	061-1056-00	32.768kHz
Q790	192-2412-00	2SC2412	R783	119-1811-15	1/10W 180 ohm	X701	061-3031-00	4.00MHz

Other parts of PU-2354A-B/A-C are same as PU-2354A.