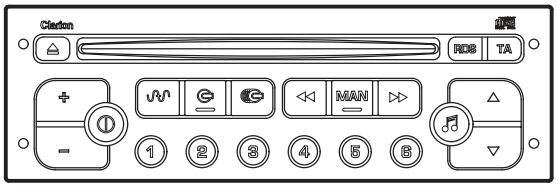
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Service Manual



PEUGEOT Automobile Genuine
RDS / FM / MW / LW Radio
& CD Stereo Player

Model PU-2358A-A

(Genuine No. 96 365 975 77)

ά SPECIFICATIONS

LW Radio section

Tuning system:	PLL frequency synthesizer system
Receive range:	153kHz to 279kHz
Quieting sensitivity:	Less than 43dBΩ (at 20dB S/N)
Auto tuning stop sensitivity:	
	35Ά 10dBΩ (DX)
	62Ά 10dBΩ (LO)

MW Radio section

Tuning system:	PLL frequency synthesizer system
Receive range:	531kHz to 1,602kHz
Quieting sensitivity:	Less than 36dBΩ (at 20dB S/N)
Auto tuning stop sensitivity:	
	35Ά 10dBΩ (DX)
	62Ά 10dBΩ (LO)

FM Radio section

Tuning system:	PLL frequency synthesizer system
Receive range:	87.5MHz to 108.0MHz
Intermediate frequency:	
	10.7MHz
Quieting sensitivity:	Less than 13dBΩ (at 30dB S/N)
Separation:	More than 20dB
Auto tuning stop sensitivity:	
	21Ά 8dBΩ (DX)
	47Ά 10dBΩ (LO)

CD player section

Separation:	More than 65dB(1kHz)
S/N ratio:	More than 80dB(1kHz)
Distortion:	Less than 1.0N (1kHz)

General

Audio Power output:	More than 10W· 4
Power supply voltage:	
	DC13.5V Negative ground
Current consumption:	
	Less than 5A
Dimensions(mm):	178(W)· 50(H)· 156.5(D)
Weight:	1.5kg

α Specifications and design are subject to change without notice for further improvement.

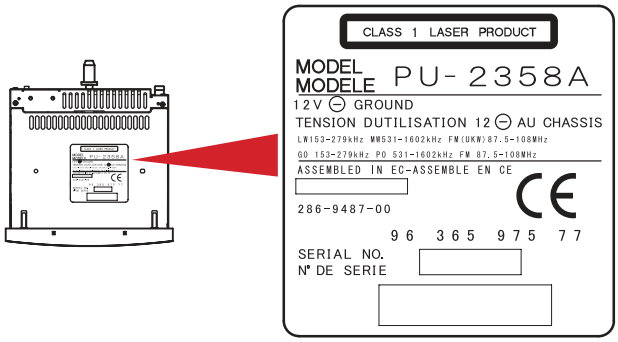
ά COMPONENTS

PU-2358A-A

Main unit	1

ά CAUTIONS

α This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.



ά NOTES

α 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.

α Prevent damage caused by static electricity when repairing the pick-up.

The pattern of the pick-up is short-circuiting for prevention. Remove the soldering with a solder iron whose insulation resistance is larger than 10MΩ (DC500V) after complete connection to the main PWB. For repair table shall use copper or conductive sheet (with impedance is lower to 100MΩ from 1MΩ) such as a sheet.

Be sure to put on a wrist-strap for prevent electric static's (with impedance is to 100MΩ from 1MΩ). The strap works to drain away the static electricity build-up on the human body.

And as static electricity build-up on clothes is not drained away, be careful and not your clothes to touch the pick-up.

Position of short soldering for pick-up protection position is different by model. Some units have two short soldering points. Always short LD circuit to open the short circuit and removes by soldering iron.

ά 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 ploblems around the repaired spots.

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

4. Caution in removal and making wiring connection to the parts for the automobile.

   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6. Cautions in handling flexible PWB

   Before working with a soldering iron, make sure that the iron tip temperature is around 270Θ . Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

8. Cautions in checking that the optical pickup lights up.

   The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handling the optical pickup

   The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode

   The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator

   The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

9-3. Cleaning the lens

   Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropylalcohol to lens paper and wipe the lens gently.