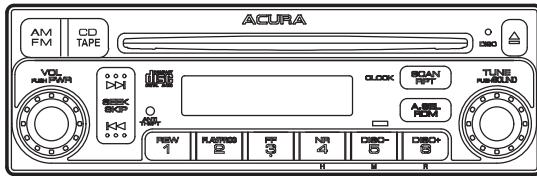


# Service Manual



HONDA Automobile Genuine  
 AM/FM Radio CD Stereo

Model **PH-2416I-C**

(Genuine No.39100-S6M-A500)

(ID No.4XJ1)

## ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Original model.

| Original model | Manual No.  |
|----------------|-------------|
| PH-2416I-A     | 298-5935-00 |

## DIFFERENCE FROM ORIGINAL MODEL

- Exploded view / parts list
  - Escutcheon section
  - Main section
  - CD mechanism section
- Change of parts of Main PWB

## NOTES

- \* 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.
- \* Specifications and design are subject to change without notice for further improvement.

### PH-2416I-C

|    |   |             |   |
|----|---|-------------|---|
| 1. | Main unit                                 | -----       | 1 |
| 2. | Identification card<br>(Anti-Theft Radio) | 287-1681-03 | 1 |
| 3. | Label<br>(Serial No./Anti-Theft Cord)     | 290-7868-05 | 1 |

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.

- 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.

- 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.

- 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.

## DIFFERENCE EXPLODED VIEW / PARTS LIST

### Escutcheon section

(Refer to page 4 of the original service manual.)

The following parts are difference parts.

| NO. | PART NO.    | DESCRIPTION         | Q'TY |
|-----|-------------|---------------------|------|
| 1   | 940-7949-43 | ESCUTCHEON ASSY     | 1    |
| 1-1 | 716-0872-50 | PAD SCREW(M1.7 x 5) | 2    |
| 17  | 373-0963-32 | DIAL COVER          | 1    |
| 20  | 331-3030-20 | SHIELD PLATE        | 1    |
| 24  | 345-8188-30 | ES-RUBBER           | 1    |
| 25  | 716-0872-61 | PAD SCREW(M1.7 x 6) | 4    |
| 26  | 716-1889-50 | SCREW(M2.6 x 5)     | 2    |

The following parts are updated together with the original model.

| NO. | PART NO.    | DESCRIPTION                       | Q'TY |
|-----|-------------|-----------------------------------|------|
| 2   | 331-3029-01 | LCD COVER                         | 1    |
| 3   | 379-1250-32 | INDICATOR                         | 1    |
| 7   | 039-1974-00 | SWITCH PWB<br>(WITHOUT COMPONENT) | 1    |
| 11  | 013-6201-51 | PUSH SWITCH                       | 13   |
| 16  | 380-5522-02 | KNOB                              | 2    |

### Main section

(Refer to page 5 of the original service manual.)

The following parts are difference parts.

| NO. | PART NO.    | DESCRIPTION              | Q'TY |
|-----|-------------|--------------------------|------|
| 7   | 816-2488-01 | FLAT WIRE                | 1    |
| 10  | 286-9954-02 | SETPLATE                 | 1    |
| 11  | 716-0878-50 | IT SCREW(M2.6 x 5)       | 2    |
| 12  | 714-2303-8B | MACHINE SCREW (M2.3 x 3) | 5    |
| 13  | 714-2606-8B | MACHINE SCREW (M2.6 x 6) | 6    |
| 16  | 714-2606-1B | MACHINE SCREW(M2.6 x 6)  | 5    |
| 29  | 716-1494-50 | IT SCREW (M2.6 x 6)      | 2    |
| 31  | 714-2606-8B | MACHINE SCREW (M2.6 x 6) | 2    |

The following parts are updated together with the original model.

| NO. | PART NO.    | DESCRIPTION                     | Q'TY |
|-----|-------------|---------------------------------|------|
| 1   | 039-2159-01 | MAIN PWB<br>(WITHOUT COMPONENT) | 1    |
| 2   | 305-0293-21 | SIDE PLATE LH                   | 1    |
| 3   | 305-0294-21 | SIDE PLATE RH                   | 1    |
| 4   | 331-3034-01 | ES PLATE                        | 1    |
| 6   | 331-2874-21 | MECHA BRACKET                   | 1    |
| 8   | 311-1799-22 | LOWER CASE                      | 1    |
| 9   | 310-1703-21 | UPPER CASE                      | 1    |
| 25  | 307-0658-21 | REAR PLATE LH                   | 1    |
| 26  | 307-0659-21 | REAR PLATE RH                   | 1    |
| 30  | 714-2612-89 | MACHINE SCREW (M2.6 x 12)       | 2    |

### CD mechanism section : 929-0091-80

(Refer to page 8 of the original service manual.)

The following parts are updated together with the original model.

| NO.  | PART NO.    | DESCRIPTION                        | Q'TY |
|------|-------------|------------------------------------|------|
| 1-11 | 621-0251-24 | LOCK LINK                          | 1    |
| 21   | 621-0248-08 | RACK GEAR                          | 1    |
| 37   | 746-0712-23 | WASHER                             | 1    |
| 59   | 039-2207-00 | CD MECH PWB<br>(WITHOUT COMPONENT) | 1    |

# DIFFERENCE ELECTRICAL PARTS LIST

## Main PWB(B1) section

(Refer to page 9, 10, 11 of the original service manual.)

The following parts are difference parts.

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION                        | REF No. | PART No.    | DESCRIPTION                         |
|---------|-------------|-------------|---------|-------------|------------------------------------|---------|-------------|-------------------------------------|
| C201    | 188-2253-67 | 50V2.2uF    | C266    | 178-3922-78 | 3900pF                             | R268    | 117-8211-15 | 1/8W 820 ohm<br>(Removal part)      |
| C202    | 188-2253-67 | 50V2.2uF    | C267    | 178-1022-78 | 1000pF                             | R269    | 117-2721-15 | 1/8W 2.7k ohm                       |
| C244    | 178-8232-78 | 0.082uF     | C268    | 178-1032-78 | 0.01uF                             | R270    | 117-8211-15 | 1/8W 820 ohm<br>(Removal part)      |
| C245    | 178-8232-78 | 0.082uF     | C269    | 178-1032-78 | 0.01uF                             | R271    | 117-2721-15 | 1/8W 2.7k ohm                       |
| C246    | 178-1832-78 | 0.018uF     | C414    | 119-0000-05 | 1/10W 0 ohm JW<br>(Removal part)   | R272    | 117-3321-15 | 1/8W 3.3k ohm<br>(Additional part)  |
| C247    | 178-2732-78 | 0.027uF     | R201    | 119-1241-15 | 1/10W 120k ohm                     | R274    | 117-3321-15 | 1/8W 3.3k ohm<br>(Additional part)  |
| C248    | 178-1842-78 | 0.18uF      | R206    | 119-1241-15 | 1/10W 120k ohm                     | R277    | 117-2231-15 | 1/8W 22k ohm<br>(Additional part)   |
| C249    | 178-4742-78 | 0.47uF      | R260    | 117-2721-15 | 1/8W 2.7k ohm<br>(Additional part) | R279    | 117-2231-15 | 1/8W 22k ohm<br>(Additional part)   |
| C250    | 178-1832-78 | 0.018uF     | R261    | 117-4721-15 | 1/8W 4.7k ohm<br>(Removal part)    | R280    | 117-4721-15 | 1/8W 4.7k ohm                       |
| C251    | 178-2732-78 | 0.027uF     | R262    | 117-2721-15 | 1/8W 2.7k ohm<br>(Additional part) | R281    | 117-3931-15 | 1/8W 39k ohm<br>(Removal part)      |
| C252    | 178-1842-78 | 0.18uF      | R263    | 117-4721-15 | 1/8W 4.7k ohm<br>(Removal part)    | R282    | 117-4721-15 | 1/8W 4.7k ohm                       |
| C253    | 178-4742-78 | 0.47uF      | R264    | 117-1831-15 | 1/8W 18k ohm<br>(Removal part)     | R283    | 117-3931-15 | 1/8W 39k ohm<br>(Removal part)      |
| C254    | 178-3332-78 | 0.033uF     | R265    | 117-3321-15 | 1/8W 3.3k ohm<br>(Additional part) | R466    | 119-0000-05 | 1/10W 0 ohm JW<br>(Additional part) |
| C255    | 178-5622-78 | 5600pF      | R266    | 117-1831-15 | 1/8W 18k ohm<br>(Removal part)     |         |             |                                     |
| C256    | 178-1242-78 | 0.12uF      | R267    | 117-3321-15 | 1/8W 3.3k ohm<br>(Additional part) |         |             |                                     |
| C257    | 178-1042-78 | 0.1uF       |         |             |                                    |         |             |                                     |
| C258    | 178-3332-78 | 0.033uF     |         |             |                                    |         |             |                                     |
| C259    | 178-5622-78 | 5600pF      |         |             |                                    |         |             |                                     |
| C260    | 178-1242-78 | 0.12uF      |         |             |                                    |         |             |                                     |
| C261    | 178-1042-78 | 0.1uF       |         |             |                                    |         |             |                                     |
| C262    | 178-3922-78 | 3900pF      |         |             |                                    |         |             |                                     |
| C263    | 178-1022-78 | 1000pF      |         |             |                                    |         |             |                                     |
| C264    | 178-1032-78 | 0.01uF      |         |             |                                    |         |             |                                     |
| C265    | 178-1032-78 | 0.01uF      |         |             |                                    |         |             |                                     |

The following parts are updated together with the original model.

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION                         |
|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------------------------------|
| C106    | 188-1073-27 | 10V 100uF   | C279    | 188-1073-27 | 10V 100uF   | C348    | 188-2253-67 | 50V2.2uF                            |
| C109    | 188-1073-27 | 10V 100uF   | C286    | 042-1466-00 | 16V 4700uF  | C349    | 188-2253-67 | 50V2.2uF                            |
| C111    | 188-1073-27 | 10V 100uF   | C287    | 188-2263-37 | 16V22uF     | C354    | 188-1063-37 | 16V10uF                             |
| C112    | 042-1458-50 | 50V 1uF LN  | C298    | 188-2253-67 | 50V2.2uF    | C355    | 188-1063-37 | 16V10uF                             |
| C121    | 188-1063-37 | 16V10uF     | C299    | 188-2253-67 | 50V2.2uF    | C416    | 188-6853-47 | 25V6.8uF                            |
| C125    | 188-4763-37 | 16V 47uF    | C301    | 188-4763-37 | 16V 47uF    | C501    | 188-2263-37 | 16V22uF                             |
| C127    | 188-1543-67 | 50V0.15uF   | C304    | 188-2263-37 | 16V22uF     | C502    | 188-2263-37 | 16V22uF                             |
| C130    | 188-1543-67 | 50V0.15uF   | C305    | 188-2263-37 | 16V22uF     | C508    | 188-1063-37 | 16V10uF                             |
| C137    | 188-1056-67 | 50V1uF NP   | C308    | 188-1063-37 | 16V10uF     | C510    | 188-1063-37 | 16V10uF                             |
| C203    | 188-4763-37 | 16V 47uF    | C309    | 188-1063-37 | 16V10uF     | C516    | 188-2253-67 | 50V2.2uF                            |
| C204    | 188-1053-67 | 50V 1uF     | C320    | 188-2253-67 | 50V2.2uF    | C520    | 189-4773-12 | 6.3V470uF                           |
| C205    | 188-1053-67 | 50V 1uF     | C321    | 188-2253-67 | 50V2.2uF    | C521    | 188-1063-37 | 16V10uF                             |
| C210    | 188-1063-37 | 16V10uF     | C332    | 188-2253-67 | 50V2.2uF    | C522    | 042-1452-81 | 10V 220uF                           |
| C211    | 188-1063-37 | 16V10uF     | C333    | 188-2253-67 | 50V2.2uF    | C523    | 188-4763-37 | 16V 47uF                            |
| C212    | 188-1063-37 | 16V10uF     | C334    | 188-2253-67 | 50V2.2uF    | C528    | 188-1063-37 | 16V10uF                             |
| C213    | 188-1063-37 | 16V10uF     | C335    | 188-2253-67 | 50V2.2uF    | C529    | 189-4773-12 | 6.3V470uF                           |
| C222    | 188-1063-37 | 16V10uF     | C336    | 188-2253-67 | 50V2.2uF    | C530    | 188-3353-61 | 50V3.3uF                            |
| C223    | 188-1063-37 | 16V10uF     | C337    | 188-2253-67 | 50V2.2uF    | C533    | 188-1063-37 | 16V10uF                             |
| C227    | 188-2253-67 | 50V2.2uF    | C338    | 188-2253-67 | 50V2.2uF    | IC206   | 051-5827-90 | M5243AFP09-600D                     |
| C228    | 188-2253-67 | 50V2.2uF    | C339    | 188-2253-67 | 50V2.2uF    | IC207   | 051-5827-90 | M5243AFP09-600D                     |
| C229    | 188-2263-37 | 16V22uF     | C340    | 188-1073-27 | 10V 100uF   | IC306   | 051-5839-90 | SA571DR2                            |
| C230    | 188-2263-37 | 16V22uF     | C341    | 188-3363-27 | 10V33uF     | IC307   | 051-5839-90 | SA571DR2                            |
| C241    | 188-1063-37 | 16V10uF     | C342    | 188-3363-27 | 10V33uF     | IC501   | 051-1822-09 | S-80832CNUA-B8R                     |
| C272    | 188-2256-57 | 35V2.2uF NP | C343    | 188-1073-27 | 10V 100uF   | R126    | 119-0000-05 | 1/10W 0 ohm JW<br>(Additional part) |
| C273    | 188-2256-57 | 35V2.2uF NP | C344    | 188-2253-67 | 50V2.2uF    | X401    | 061-3504-80 | CX-5F 10MHz                         |
| C274    | 188-2256-57 | 35V2.2uF NP | C345    | 188-2253-67 | 50V2.2uF    |         |             |                                     |
| C275    | 188-2256-57 | 35V2.2uF NP | C346    | 188-2253-67 | 50V2.2uF    |         |             |                                     |
| C276    | 188-1073-27 | 10V 100uF   | C347    | 188-2253-67 | 50V2.2uF    |         |             |                                     |

## Switch PWB(B2) section

(Refer to page 11 of the original service manual.)

The following parts are updated together with the original model.

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION |
|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|-------------|
| S701    | 013-6201-51 | SKPMAA      | S706    | 013-6201-51 | SKPMAA      | S711    | 013-6201-51 | SKPMAA      |
| S702    | 013-6201-51 | SKPMAA      | S707    | 013-6201-51 | SKPMAA      | S712    | 013-6201-51 | SKPMAA      |
| S703    | 013-6201-51 | SKPMAA      | S708    | 013-6201-51 | SKPMAA      | S713    | 013-6201-51 | SKPMAA      |
| S704    | 013-6201-51 | SKPMAA      | S709    | 013-6201-51 | SKPMAA      |         |             |             |
| S705    | 013-6201-51 | SKPMAA      | S710    | 013-6201-51 | SKPMAA      |         |             |             |

## CD mech PWB(B4) section : CD mechanism

(Refer to page 11, 12 of the original service manual.)

The following parts are updated together with the original model.

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION  |
|---------|-------------|-------------|---------|-------------|-------------|---------|-------------|--------------|
| C1      | 188-1073-27 | 10V100uF    | C41     | 188-1073-27 | 10V100uF    | C45     | 188-1073-27 | 10V100uF     |
| C2      | 188-4763-17 | 6.3V47uF    | C43     | 188-1073-27 | 10V100uF    | C54     | 188-4763-17 | 6.3V47uF     |
| C25     | 042-1505-81 | 10V22uF     | C44     | 188-4763-17 | 6.3V47uF    | L3      | 010-3407-62 | NLV32 10uH J |