

# ELLIOTT TIRE & SERVICE INC

OWNED AND OPERATED BY A PROUD GOODYEAR INDEPENDENT DEALER  
5601 15TH NW  
SEATTLE, WA 98107  
(206) 783-4423



**INVOICE**  
**085900**

10/23/12 10/24/12  
12:30 PM 11:09 AM  
TERR: 5179  
NONSIG: 905179

PAGE: 01

BILL TO

PHONE 1.....  
PHONE 2.....  
DATE REQUESTED 10/23/12  
TIME REQUESTED  
RETURN PARTS.. NO  
SALESMAN..... 004 / 004  
VEHICLE ID #.. JHMED8354MS013987  
OTHER INFO.... 1.8 TO 56

VEH YEAR/MAKE. 91 HONDA  
VEHICLE MODEL. CRX DX  
VEHICLE COLOR. RED  
LICENSE/STATE. D30155 / OR  
ODOMETR IN/OUT 157000 / 157000  
VEHICLE INFO.. 1.5 MT 2WD  
PRIOR INVOICE. NEW CUSTOMER

ACCOUNT # COB TC CUST# TYPE/STATE AUTHORIZATION DEBIT CARD NO.  
517900055 Q 01 04190 0 WA 336070 HDC \*\*\*\*\*9012

| SLSM | TECH | PRODUCT CODE                | BC | QTY | DESCRIPTION                                                                                                                                                                                                                                                                            | PARTS | LBR/EXCISE | LINE TOTAL |
|------|------|-----------------------------|----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|------------|
| 004  | 056  | 077-205                     | R  | 1   | LUBE-OIL CHANGE-OIL FILTER (UP TO 5 QTS)<br>QUARTS WEIGHT                                                                                                                                                                                                                              | 19.50 | 4.49       | 23.99      |
| 004  |      | 356-004-855-0<br>QTY. 1 NO. | R  | 4   | P175/70R13 82S SL KLY EXPLORER PLUS TL<br>M7EVJB1R0312 QTY. 2 NO.                                                                                                                                                                                                                      | 89.99 | .00        | 359.96     |
| 004  | 072  | 093-400                     | R  | 4   | TIRE CARE PACKAGE<br>ON TIRES PURCHASED FROM ELLIOTT TIRE INCLUDES MT,BALANCE, STEM,ROTATION, REPAIRS, ROAD HAZARD<br>COVERAGE AND DISPOSAL OF OLD TIRE. NOTE-NO ROAD HAZARD COVERAGE ON TIRES USED ON 4X4S OR ALL WHEEL<br>DRIVE VEHICLES,TRAILERS OR ANY ON/OFF ROAD APPLI- CATIONS. | .00   | 17.00      | 68.00      |
| 004  | 072  | 093-401                     | R  | 4   | ROAD HAZARD COVERAGE<br>PRICE FOR REPLACING TIRE CALCULATED ON A PRO-RATA BASIS ON TREAD USED. MINIMUM RPL CHARGE IS \$30.00<br>NEW TIRE CARE PACKAGE MUST BE PURCHASED FOR NEW TIRE. DAMAGE DUE TO VANDALISM OR ACCIDENT NOT<br>COVERED. COVERAGE HONORED AT ALL ELLIOTT TIRE LOC     | .00   | .00        | .00        |
| 004  | 056  | 078-162                     | R  | 1   | COMPUTERIZED 4 WHL ALIGN (INCL REAR ADJ)                                                                                                                                                                                                                                               | .00   | 69.99      | 69.99      |
| 004  | 072  | 093-601                     | R  | 1   | WHEEL LUG TORQUE<br>IF WE REMOVE YOUR WHEELS, WE WILL RETORQUE THE LUG NUTS TO 80 FT PDS PER MANUFACTURES<br>SPECIFICATION                                                                                                                                                             | .00   | .00        | .00        |
| 004  | 056  | 093-999                     | R  | 1   | HAZARDOUS MATERIAL/SHOP SUPPLIES                                                                                                                                                                                                                                                       | 3.56  | .00        | 3.56       |
| 004  | 056  | 057-269                     | R  | 1   | SERPENTINE BELT                                                                                                                                                                                                                                                                        | 30.08 | 47.50      | 77.58      |
| 004  | 056  | 066-209                     | R  | 1   | LEFT BRAKE LAMP                                                                                                                                                                                                                                                                        | 4.99  | 10.00      | 14.99      |

**CONTINUED NEXT PAGE**

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|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|--------------------------------------------|-------|------------|------------|
| 004  | 056  | 093-015                                                                                                                                                                                                       | R  | 1   | AIR FILTER                                 | 16.58 | 10.00      | 26.58      |
| 004  | 056  | 093-007                                                                                                                                                                                                       | R  | 1   | RECOMMENDED REPAIRS                        | .00   | .00        | .00        |
|      |      | WE RECOMMEND THESE FURTHER REPAIRS TO YOUR VEHICLE TO INSURE THE BEST PERFORMANCE UNDER MOST DRIVING CONDITIONS.                                                                                              |    |     |                                            |       |            |            |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | =====                                      | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; FRONT LEFT ENGINE MOUNT(TORN)         | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; FRONT ENGINE MOUNT(BROKEN/TORN)       | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; TRANSMISSION MOUNT(TORN)              | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; FRONT LOWER CONTROL ARMS(CRACKED &    | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | SPLITTING BUSHINGS)                        | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; SWAY BAR LINKS(TORN/SPLITTINGBUSHINGS | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; TRAILING ARM BUSHINGS(TORN BADLY)     | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; ALIGNMENT(W/ABOVE)                    | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; FUEL FILTER(OE?/OLD)                  | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; TRANSMISSION SERVICE(DIRTY)           | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; RADIATOR(LEAKS AT SEAMS)              | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; UPPER & LOWER RADIATOR HOSES(SWOLLEN) | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; TIMING BELT(WHEN WAS LAST?,PM)        | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; WATER PUMP(W/T-BELT)                  | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; COOLING SYSTEM SERVICE(W/WATER PUMP)  | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; IGNITION CAP & ROTOR(AGE/PM)          | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; IGNITION WIRES(AGE/PM)                | .00   | .00        | .00        |
| 004  | 056  | 046-100                                                                                                                                                                                                       | R  | 1   | REC; SPARK PLUGS(AGE/PM)                   | .00   | .00        | .00        |
| 004  | 056  | 093-006                                                                                                                                                                                                       | R  | 1   | DECLINE OF RECOMMENDED REPAIRS             | .00   | .00        | .00        |
|      |      | DECLINE OF RECOMMENDED REPAIRS MAY CAUSE FURTHER DAMAGE TO RELATED COMPONENTS.DECLINE MAY ALSO COMPROMISE RESULTS OF REPAIRS YOU HAD US PERFORM.THEREARE NO WRITTEN OR IMPLIED WARRANTIES WITH THESE SERVICES |    |     |                                            |       |            |            |

**CONTINUED NEXT PAGE**

**HAVE A QUESTION OR PROBLEM?**  
Please tell our store manager. We value your opinion as much as your business. Should you need additional assistance, call our  
**CUSTOMER ASSISTANCE LINE 1-800-321-2136**

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|-------------|-------------|---------------------|-----------|------------|--------------------|--------------|-------------------|-------------------|
|-------------|-------------|---------------------|-----------|------------|--------------------|--------------|-------------------|-------------------|

THANK YOU FOR YOUR BUSINESS! IF YOU HAVE ANY QUESTIONS PLEASE CALL BEN AT 206-783-4423, THANKS AGAIN!.

I UNDERSTAND THAT ALL CUSTOM WHEEL LUG NUTS MUST BE RE-TORQUED AFTER 25 MILES AND CHECKED PERIODICALLY.

(signature)

**X**-----  
CUSTOMER AUTHORIZATION FOR TOTAL

**INVOICE TOTAL**

|                  |        |
|------------------|--------|
| PARTS TOTAL..... | 434.67 |
| LABOR TOTAL..... | 209.98 |
| SUB TOTAL.....   | 644.65 |
| SALES TAX.....   | 61.24  |

**\$709.89**

AUTHORIZED BY. KEN GALE  
AUTH PHONE....  
REVISED TOTAL. 648.65

AUTH REC'D BY. SHELLY  
AUTH DATE.....  
ADD'L AMOUNT.. 123.71

MANNER REC'D.. IP  
AUTH TIME.....  
REPAIRS DESC..

TREAD L/F..... 10/32

TREAD R/F..... 10/32

TREAD R/R..... 10/32

TREAD L/R..... 10/32

**SEE REVERSE SIDE FOR IMPORTANT SAFETY  
WARNING AND WARRANTY INFORMATION**

**HAVE A QUESTION OR PROBLEM?**  
Please tell our store manager. We value your opinion as much as your  
business. Should you need additional assistance, call our  
**CUSTOMER ASSISTANCE LINE 1-800-321-2136**



# Elliott tire and service

5601 15th ave nw  
ballard, wa 98107

Phone Number: 2067834423

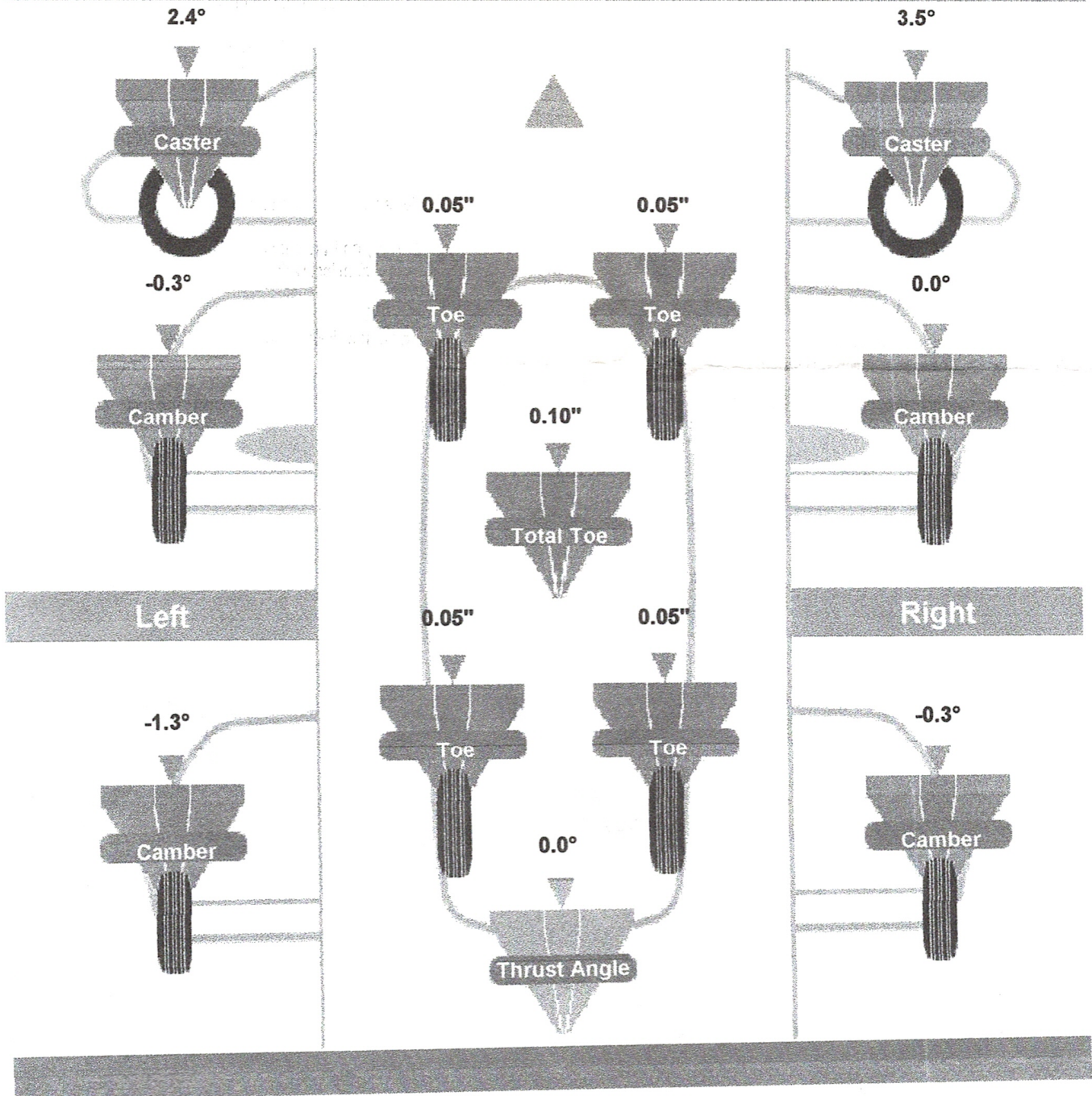
Fax Number:

Customer:  
Company:  
License NO:  
Odometer:  
Vehicle:

Date: 10/24/12  
VIN  
Technician:  
Order NO:

HONDA, 1991, CIVIC, ex. Wagon

## Final Alignment Readings





I hereby authorize the repair work listed herein, including sublet work, to be done along with necessary materials. You and your employees may operate the described vehicle for the purposes of testing, inspection or delivery at my risk. An express lien is acknowledged on said vehicle to secure the amount of repairs thereto. You will not be held responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft, accident or any other cause beyond your control. Customer agrees to pay all collection costs and/or attorneys fees in the event that default is made in any payment due. If vehicle is returned to customer without repair service being performed, a diagnostic and handling fee (including reassembly) may be charged. I have read and understand the above and acknowledge receipt of an estimate.



3342 NW Byron Street  
Silverdale, WA 98383  
Phone: (360) 692-5201

Gasoline, Hybrid, Diesel  
Asian, Domestic & European



X

Terms: CASH or CREDIT CARD unless arrangements made prior to authorization.  
Vehicles left after repair is completed may be subject to a storage fee.

Invoice # 75923

**James Golder**  
6208 Silverbeach Dr Nw  
Bremerton, WA 98311

**1991 Honda CRX Base**

VIN: JHMED8354MS013987

Engine: L4 1.5L, 1493cc, SOHC, GAS, FI

Trans: MANUAL

License # BAJ1353

ODO In:170529 Out: 170534

Color: Red

Mfg. Date: 03/91

Unit #

Inv Date: 12/19/2019 @ 11:35am

Promised: 12/26/2019 @ 5:00pm

Service Writer: Arthur Hunt

Status: Posted

Driver:

PO #

(206) 437-6233

| Vehicle Problems | Requests for Service | Services Performed | Qty | Price | Disc. | Ext |
|------------------|----------------------|--------------------|-----|-------|-------|-----|
|------------------|----------------------|--------------------|-----|-------|-------|-----|

**Customer Concern: Runs rough-seems fine until warmed up then idle surges and struggles while driving.** 440.52

Labor Service - Test/Inspect for check engine light on at all times with drivability symptoms. Includes accessing on board computer system with scan tool to retrieve fault codes, visual inspection of components, functional test of system and one component test.

119.87

Went to get the car and started and died. Pushed into the shop for inspection. Has fuel pressure and spark but seems to be back firing while cranking. Removed the distributor cap for inspection and found full of moisture and corrosion. Cleaned and dried the cap and re-installed. Car starts and runs great. Noted on the test drive the steering wheel is off center-needs alignment and also the brake fluid is high in moisture content and needs to be flushed.

Moved the vehicle to the alignment bay and tech went to lunch-came back and car will not start. Kept the car overnight for further testing. With the lab scope we find the distributor is not sending signal to the ignition coil so replacing the coil cap and rotor will not make the car run. Will need a distributor SH

Labor Service - Replace, Distributor with new cap and rotor  
Installed the new distributor and properly adjusted. Car starts and runs great every time. SH

47.95

|     |                        |      |        |        |        |
|-----|------------------------|------|--------|--------|--------|
| New | Distributor Cap Gasket | 1.00 | 10.32  | -10.32 | 0.00   |
| New | Distributor            | 1.00 | 272.70 |        | 272.70 |

**Customer Concern: Complete brake fluid flush & refill.** 104.95

Labor Service - Extract old fluid from brake master cylinder reservoir, refill with new DOT 4 brake fluid. Then flush brake system with pressure bleeding system until new fluid comes through at each wheel. Road test vehicle for proper brake operation. SH

97.32

|     |                    |      |      |       |      |
|-----|--------------------|------|------|-------|------|
| New | Brake Fluid, Dot 4 | 1.00 | 8.88 | -1.25 | 7.63 |
|-----|--------------------|------|------|-------|------|

**Recommend: Alignment - Steering wheel is off center** 143.84

Labor Service - Align, Alignment, Four Wheel Alignment  
Front and rear toe settings were out on the alignment-adjusted settings to factory specifications.  
Test drove and steering wheel is straight and the car drives well.  
SH

143.84

| Revisions of Original Estimate - Original Estimate of Services and Parts \$538.35 |                    |               |          |                |          |           |        |
|-----------------------------------------------------------------------------------|--------------------|---------------|----------|----------------|----------|-----------|--------|
| Rev#                                                                              | Date and Time      | Who Contacted | Method   | Contact #      | Cont. By | Revise By | Total  |
| 1                                                                                 | 12/26/2019 12:21PM | Golder, James | By Phone | (206) 437-6233 | AH       | 11.65     | 550.00 |

X

Customer accepts revision to the invoice and agrees to pay revised amount.

SAWBucks

|                           |       |
|---------------------------|-------|
| Earned from this invoice: | 13.63 |
| Available for future use: | 13.63 |

Credit Card Terms



## ADDITIONAL TERMS AND CONDITIONS

### RIGHTS OF AUTO REPAIR CUSTOMERS

You are entitled by law to:

1. A written estimate for repairs which will cost more than one hundred dollars, unless waived or absent face-to-face contact (see item 4 below);
2. Return or inspection of all replaced parts, if request at time of repair authorization;
3. Authorize any repairs orally or in writing which exceed the estimate's total presales tax cost by more than ten percent;
4. Authorize any repairs orally or in writing if your vehicle is left with the repair facility without face-to-face contact between you and the repair facility personnel.

If you have authorized a repair in accordance with the information, you are required to pay for the costs of the repair prior to taking the vehicle from the premises. Nonpayment may result in your being charged a storage fee.

### WARRANTY TERMS

All work is warranted for 24 Months/24,000 Miles (whichever occurs first) to the original purchaser unless otherwise stated. Customer must return vehicle to or contact Silverdale AUTOWORKS, Inc. for authorization prior to any warranty work being performed. There is no warranty on customer supplied or used parts or labor to replace them.

Any warranties on the parts and/or accessories sold hereby are those made by the manufacturer. The seller, Silverdale AUTOWORKS, Inc., hereby expressly disclaims all warranties, either expressed or implied, including all implied warranties of merchantability of fitness for the particular purpose and the repair shop named on the face of this document, neither assumes nor authorizes any other person to assume for it any liability connection with the sale of these parts or accessories.

The repair of this vehicle and completion date is subject to the availability of labor and parts. Silverdale AUTOWORKS, Inc. is not responsible for that unavailability of parts or delays of parts shipments beyond repair shop control.

Warranties for out of town problems or after business hours must wait to contact Silverdale AUTOWORKS, Inc. before electing to have towing or any other person or repair shop perform service/repairs. At the discretion of Silverdale AUTOWORKS, Inc., warranty will be limited to reimbursement up to the amount of the original service/repair.

No warranty is extended to cover towing, loss of use, loss of earnings, per diem expenses, not any other claims of any nature what so ever.

### SUBLET REPAIRS

Due to the type of service/repair requested, some repairs may be sublet. All sublet service/repairs will be subject to whatever warranties are provided by the sublet contractor.

### PAYMENT TERMS

There are no credit terms; all service/repairs are to be paid in full at the time the service/repair is completed.

### PERSONAL PROPERTY

Customer states no articles of personal property have been left in the vehicle and Silverdale AUTOWORKS, Inc. is not responsible for inspection thereof, loss or damage in case of fire, theft, or any other cause beyond the repair shop's control.

### STORAGE CHARGES

All Vehicles left over two (2) business days after completion and notification to customer are subject to Silverdale AUTOWORKS, Inc., posted storage charges (\$25 per day), unless previous arrangements are made with the repair shop. Customer is also informed that in the event storage is invoked such vehicle may be moved to an alternate place at the discretion of Silverdale AUTOWORKS, Inc. until charges, including storage are paid in full.

I hereby authorize the repair work listed herein, including sublet work, to be done along with necessary materials. You and your employees may operate the described vehicle for the purposes of testing, inspection or delivery at my risk. An express lien is acknowledged on said vehicle to secure the amount of repairs thereto. You will not be held responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft, accident or any other cause beyond your control. Customer agrees to pay all collection costs and /or attorneys fees in the event that default is made in any payment due. If vehicle is returned to customer without repair service being performed, a diagnostic and handling fee (including reassembly) may be charged. I have read and understand the above and acknowledge receipt of an estimate.



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Gasoline, Hybrid, Diesel  
Asian, Domestic & European



X

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Invoice # 75923

1991 Honda CRX Base

License # BAJ1353

Inv Date: 12/19/2019 @ 11:35am

APPLABEL: VISA CREDIT, AID: A0000000031010, TVR: 0080008000, IAD: 06021203A0A002, TSI: E800, ARQC: A74F36BB2EB697DC, ARC: 00, CVM: S



#### Warranty

All Work is Warranted for \*24 Months or 24,000 Miles to the original purchaser unless otherwise stated. Customer must return vehicle to or contact Silverdale Autoworks for authorization prior to ANY warranty work being performed. NO warranty on customer supplied, used parts or labor to replace them.

Posted 12/27/19 4:43PM

Visa 788.92  
AUTH: :02565D xx5682

#### Invoice Summary

|                 |        |
|-----------------|--------|
| Parts           | 280.33 |
| Labor           | 408.98 |
| Enviro Waste Di | 34.47  |

|                |        |
|----------------|--------|
| Sub Total      | 723.78 |
| Sales Tax (WA) | 65.14  |

**Total 788.92**

X

Customer agrees to perform the obligations set forth by the card member's agreement with the issuer.

Discard old parts

Original Estimate: 538.35



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Any warranties on the parts and/or accessories sold hereby are those made by the manufacturer. The seller, Silverdale AUTOWORKS, Inc., hereby expressly disclaims all warranties, either expressed or implied, including all implied warranties of merchantability of fitness for the particular purpose and the repair shop named on the face of this document, neither assumes nor authorizes any other person to assume for it any liability connection with the sale of these parts or accessories.

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75923

12/27/19 3:55 PM

JH MED8354MS013987

sh baj1353



JH MED8354MS013987

Odometer: 170529



THANK YOU FOR YOUR TRUST IN

SILVERDALE AUTOWORKS

3342 NW BYRON ST

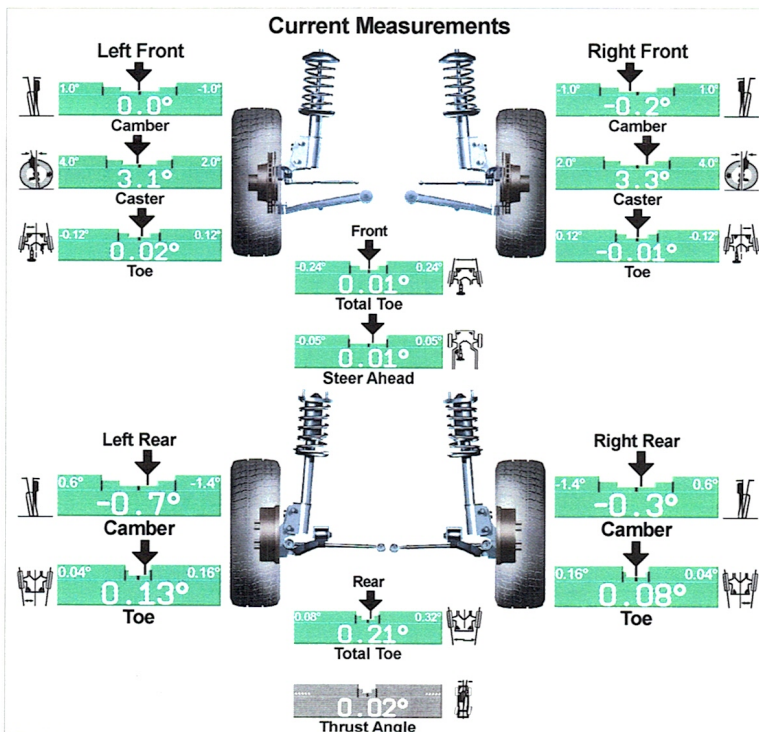
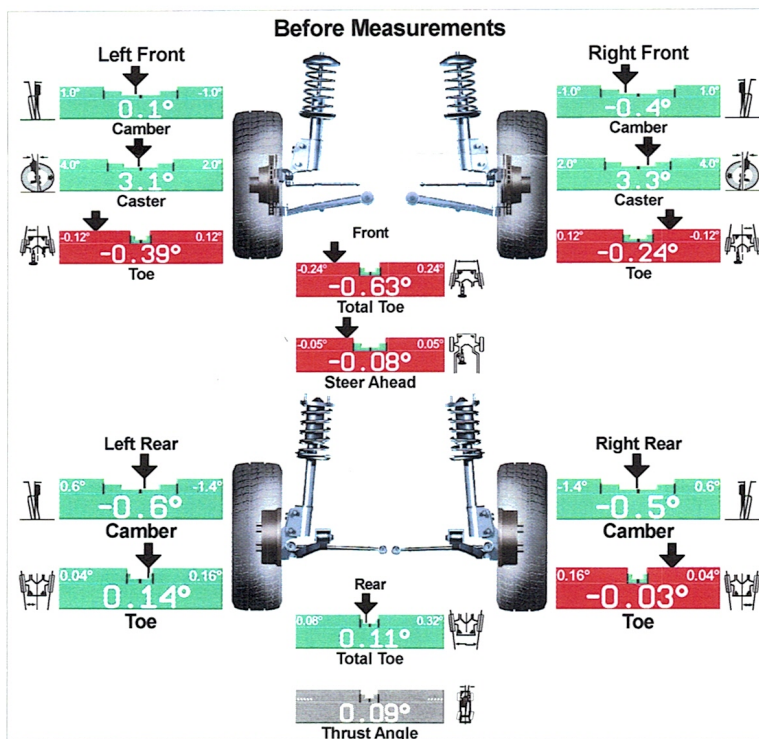
SILVERDALE, WA 98383

360-692-5201

## Honda 1991 CRX

### 4-Wheel Total Alignment

89-91 ~with~ 175/70R13 tires (OE)



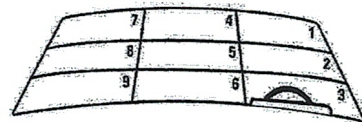
- One or more values are not within specification. Tire wear, handling and safety problems may result.



COMMUNITY GUEST PASS

1/13/20

435-505PM



### Location Information

Safelite  
10726 SILVERDALE WAY NW  
SILVERDALE, WA 98383  
360-377-0174

### Service Information

Service Location: InShop  
Available Time: 4:00 PM  
Address: Mr./Mrs. GOLDER

WO# 158331

Date/Time 10/31/2019 4:00 PM

Needed By: 4:30 PM

Primary: 206-437-6233

Policy #: AB80032019

Alternate: 206-437-6233

Claim #:

PO#/Ref:

Ath/Ver: email

Loss Loc:

Loss Date/Cause: 10/29/2019 ROCK FROM ROAD - NO ONE AT FAULT

| Year           | Make  | Model     | Body Style   | Mileage | License | State | Stock # |
|----------------|-------|-----------|--------------|---------|---------|-------|---------|
| 1991           | HONDA | CIVIC CRX | 2 DOOR COUPE | 0.00    |         |       |         |
| Vehicle ID     | J     | H         | M            | E       | D       | 8     | 3       |
|                | 5     | 4         | M            | S       | 0       | 1     | 3       |
|                | 9     | 8         | 7            |         |         |       |         |
| Technician ID: |       |           |              |         |         |       |         |

| Qty | Part #   | List   | Selling | Labor   | Kit    | Material | Extension |
|-----|----------|--------|---------|---------|--------|----------|-----------|
| 1   | WSREPAIR | \$0.00 | \$0.00  | \$60.00 | \$0.00 | \$0.00   | \$60.00   |

Replace with new - IN-STORE W/S REPAIR:

### Work Order

01804-158331

Org Date: 10/29/2019 CTU WO: 158331 RFL#: 776932

10/31/2019 10:50 AM 123-UNROUTED-158331-W

JAMES R GOLDER

Initial here if replaced parts should be saved for inspection or returned:

|                  |            |
|------------------|------------|
| Part Sub Total:  | \$0.00     |
| Labor Sub Total: | \$60.00    |
| Sub Total:       | \$60.00    |
| Sales Tax:       | \$5.40     |
| Deductible       | \$9,999.00 |

### Windshield Repair

Yes No

Cust. Initials:

Accepted Declined

Comment:

Insurance Total:

\$0.00

Original Estimate: \$65.40

I authorize Safelite AutoGlass to provide the above-referenced goods and services and to install glass and related parts that are manufactured by Safelite AutoGlass or another aftermarket manufacturer. Subject to completion of the work, I assign Safelite AutoGlass any claim that I have under my insurance policy to recover, and authorize my insurance company to pay to Safelite AutoGlass, the balance due. If said amount is not paid in full by my insurance company, I agree to pay any unpaid balance.

Customer's Signature:

Date: 10/31/19

If your check is unpaid for insufficient or uncollected funds, we may electronically debit your account for the principle check amount and a service fee as allowable by law. You have the right to select the repair facility of your choice.

Revised Estimate:

Reason:

Additional Cost:

Authorized by:

Phone:

Date:

Time:

Amount to collect from Customer: \$65.40

Tender:

Adhesive Brand:

Part #:

Lot #:

Safe to drive after:

AM PM



I hereby authorize the repair work listed herein, including sublet work, to be done along with necessary materials. You and your employees may operate the described vehicle for the purposes of testing, inspection or delivery at my risk. An express lien is acknowledged on said vehicle to secure the amount of repairs thereto. You will not be held responsible for loss or damage to vehicle or articles left in vehicle in case of fire, theft, accident or any other cause beyond your control. Customer agrees to pay all collection costs and/or attorneys fees in the event that default is made in any payment due. If vehicle is returned to customer without repair service being performed, a diagnostic and handling fee (including reassembly) may be charged. I have read and understand the above and acknowledge receipt of an estimate.



3342 NW Byron Street  
Silverdale, WA 98383  
Phone: (360) 692-5201

Gasoline, Hybrid, Diesel  
Asian, Domestic & European



X

Terms: CASH or CREDIT CARD unless arrangements made prior to authorization.  
Vehicles left after repair is completed may be subject to a storage fee.

Invoice # 80752

1991 Honda CRX Base

VIN: JHMED8354MS013987

Engine: L4 1.5L, 1493cc, SOHC, GAS, FI

Trans: MANUAL

License # BAJ1353

ODO In:174673 Out: 174673

Color: Red

Mfg. Date: 03/91

Unit #

Inv Date: 4/23/2021 @ 12:39pm

Promised: 5/05/2021 @ 5:00pm

Service Writer: Arthur Hunt

Status: Posted

Driver: Golder, James

PO #

| Vehicle Problems | Requests for Service | Services Performed | Qty | Price | Ext |
|------------------|----------------------|--------------------|-----|-------|-----|
|------------------|----------------------|--------------------|-----|-------|-----|

Customer Requests: Engine Oil Service

Labor Service - 3k \$49.95 Perform engine oil service - Replace engine oil and filter.  
Perform chassis lubrication, inspect differential, transmission, transfercase, engine coolant, brake fluid, power steering and window washer fluid levels and condition and top off as necessary. Inspect air filter. Inspect and adjust tire pressures as necessary. Reset service reminder if applicable. Make any necessary recommendations.

no further recommendations at this time. AA

|     |                                                |      |      |       |
|-----|------------------------------------------------|------|------|-------|
| New | SAE 5W/30 Mobil Clean, Conventional Engine Oil | 3.70 | 2.87 | 10.62 |
| New | Oil Filter                                     | 1.00 | 6.00 | 6.00  |

SAWBucks

|                           |       |
|---------------------------|-------|
| Used for this invoice:    | 23.11 |
| Earned from this invoice: | 0.92  |
| Available for future use: | 3.57  |



Warranty

Work is Warranted for \*24 Months or 24,000 Miles to the original purchaser unless otherwise stated. Customer must return vehicle to or contact Silverdale Autoworks for authorization prior to ANY warranty work being performed. NO warranty on customer supplied, used parts or labor to replace them.

Posted 5/06/21 4:39PM

Visa 27.71

AUTH: :07648D xx5682

Invoice Summary

|                 |        |
|-----------------|--------|
| Parts           | 16.62  |
| Parts Discount  | -8.31  |
| Labor           | 29.60  |
| Labor Discount  | -14.80 |
| Enviro Waste Di | 2.31   |

Sub Total 25.42  
Sales Tax (WA) 2.29

Total 27.71

Signed 5/06/2021 4:39PM  
Customer agrees to perform the obligations set forth by the card member's agreement with the issuer.

Discard old parts

Original Estimate: 57.17

## ADDITIONAL TERMS AND CONDITIONS

### RIGHTS OF AUTO REPAIR CUSTOMERS

You are entitled by law to:

1. A written estimate for repairs which will cost more than one hundred dollars, unless waived or absent face-to-face contact (see item 4 below);
2. Return or inspection of all replaced parts, if request at time of repair authorization;
3. Authorize any repairs orally or in writing which exceed the estimate's total presales tax cost by more than ten percent;
4. Authorize any repairs orally or in writing if your vehicle is left with the repair facility without face-to-face contact between you and the repair facility personnel.

If you have authorized a repair in accordance with the information, you are required to pay for the costs of the repair prior to taking the vehicle from the premises. Nonpayment may result in your being charged a storage fee.

### WARRANTY TERMS

All work is warranted for 24 Months/24,000 Miles (whichever occurs first) to the original purchaser unless otherwise stated. Customer must return vehicle to or contact Silverdale AUTOWORKS, Inc. for authorization prior to any warranty work being performed. There is no warranty on customer supplied or used parts or labor to replace them.

Any warranties on the parts and/or accessories sold hereby are those made by the manufacturer. The seller, Silverdale AUTOWORKS, Inc., hereby expressly disclaims all warranties, either expressed or implied, including all implied warranties of merchantability of fitness for the particular purpose and the repair shop named on the face of this document, neither assumes nor authorizes any other person to assume for it any liability connection with the sale of these parts or accessories.

The repair of this vehicle and completion date is subject to the availability of labor and parts. Silverdale AUTOWORKS, Inc. is not responsible for that unavailability of parts or delays of parts shipments beyond repair shop control.

Warranties for out of town problems or after business hours must wait to contact Silverdale AUTOWORKS, Inc. before electing to have towing or any other person or repair shop perform service/repairs. At the discretion of Silverdale AUTOWORKS, Inc., warranty will be limited to reimbursement up to the amount of the original service/repair.

No warranty is extended to cover towing, loss of use, loss of earnings, per diem expenses, not any other claims of any nature what so ever.

### SUBLET REPAIRS

Due to the type of service/repair requested, some repairs may be sublet. All sublet service/repairs will be subject to whatever warranties are provided by the sublet contractor.

### PAYMENT TERMS

There are no credit terms; all service/repairs are to be paid in full at the time the service/repair is completed.

### PERSONAL PROPERTY

Customer states no articles of personal property have been left in the vehicle and Silverdale AUTOWORKS, Inc. is not responsible for inspection thereof, loss or damage in case of fire, theft, or any other cause beyond the repair shop's control.

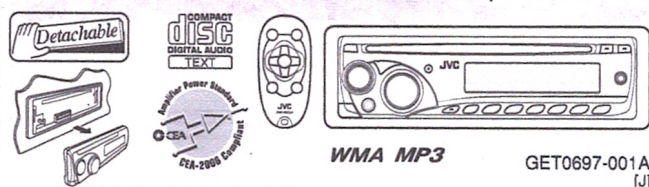
### STORAGE CHARGES

All Vehicles left over two (2) business days after completion and notification to customer are subject to Silverdale AUTOWORKS, Inc., posted storage charges (\$25 per day), unless previous arrangements are made with the repair shop. Customer is also informed that in the event storage is invoked such vehicle may be moved to an alternate place at the discretion of Silverdale AUTOWORKS, Inc. until charges, including storage are paid in full.



# JVC KD-S17

## CD RECEIVER: INSTRUCTIONS/INSTALLATION



ENGLISH

### CANCELING THE DISPLAY DEMONSTRATIONS

#### 1 Turn on the power.



DEMO ON  
(Initial setting)

#### 3 Select "DEMO OFF."



#### 4 Finish the procedure.

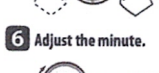
### SETTING THE CLOCK

#### 1 Turn on the power.

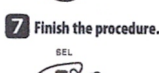


DEMO ON  
(Initial setting)

#### 5 Select "CLOCK M."



#### 6 Adjust the minute.



#### 7 Finish the procedure.

#### 4 Adjust the hour.



CLOCK H.

### INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### Caution

Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

### IMPORTANT FOR LASER PRODUCTS

- CLASS 1 LASER PRODUCT
- CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
- CAUTION:** (For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam. (For Canada) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
- REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

| CAUTION                                                                                                              | ATTENTION                                                                                                            | AVISO                                                                                                                | WARNING                                                                                                              | CAUTION                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. (U.S.A.) | VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. (CANADA) | VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. (U.S.A.) | VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. (CANADA) | VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. (U.S.A.) |



[European Union only]

#### For safety...

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

#### Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

#### Warning

If you need to operate the unit while driving, be sure to look around carefully or you may be involved in a traffic accident.

#### Caution on volume setting

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

Installation/connection are explained at the last section of this manual (reverse page, indicated with symbol).

#### For customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No.

Serial No.

0710DTSMDTJEIN

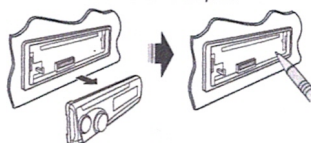
EN

© 2010 Victor Company of Japan, Limited

### PREPARATIONS

#### How to reset your unit

Reset the unit after installation is complete.



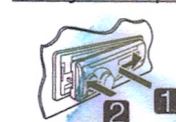
• Your preset adjustments will also be erased.

#### How to forcibly eject a disc

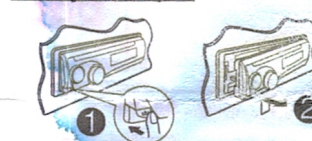


- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit.

#### Attaching the control panel

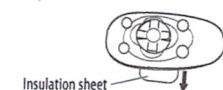


#### Detaching the control panel



### PREPARING THE REMOTE CONTROLLER (RM-RK50)

When you use remote controller for the first time...



For USA-California Only: This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)

#### Caution:

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

If the effectiveness of the remote controller decreases, replace the battery.

#### Replacing the lithium coin battery



#### Warning: To prevent accidents and damage

- Do not install any battery other than CR2025 or its equivalent.
- Store out of reach of children.
- Do not recharge, short, or dismantle.
- Do not dispose of in fire.
- Do not carry around with other metallic materials.

### MORE ABOUT THIS UNIT

#### Basic operations

- By pressing SRC on the unit, you can also turn on the power. If the source is ready, playback also starts.
- If you turn off the power while listening to a disc, disc play will start from where it had been stopped previously next time you turn on the power.
- When no disc is loaded in the unit, you cannot select "CD" as the playback source.

#### Tuner operations

- During SSM search...
  - All previously stored stations are erased and the stations are stored anew.
  - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  - When SSM is over, the station stored in No. 1 will be automatically tuned in.

#### Disc operations

##### Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

#### General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/CD-RWs (Rewritable) in audio CD (CD-DA) and MP3/WMA formats.
- After ejecting a disc, "NO DISC" appears and you cannot operate some of the buttons. Insert another disc or press SRC to select another playback source.

#### Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not be played back on this unit:
  - Discs are dirty or scratched.
  - Moisture condensation has occurred on the lens inside the unit.
  - The pickup lens inside the unit is dirty.
  - The files on the CD-R/CD-RW are written using the "Packet Write" method.

There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).

CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.

#### Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
  - Bit rate: 8 kbps — 320 kbps
  - Sampling frequency: 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1) 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
  - Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
  - The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—<.mp3> or <.wma>):
    - ISO 9660 Level 1: up to 12 characters; ISO 9660 Level 2: up to 31 characters; Romeo: up to 64 characters; Joliet: up to 32 characters; Windows long file name: up to 126 characters
  - This unit can recognize a total of 512 files, 255 folders, and 8 hierarchical levels.
  - This unit can play back files recorded in VBR (variable bit rate). Files recorded in VBR have a discrepancy in the elapsed time display, and do not show the actual elapsed time. In particular, this difference becomes noticeable after performing the search function.
  - This unit cannot play back the following files:
    - MP3 files encoded in: MP3i and MP3 PRO format, in an inappropriate format, layer 1/2.
    - WMA files: encoded in lossless, professional, and voice format; not based upon Windows Media® Audio; copy-protected with DRM.
    - Files which have data such as WAVE, ATRAC3, etc.
  - The search function works but search speed is not constant.

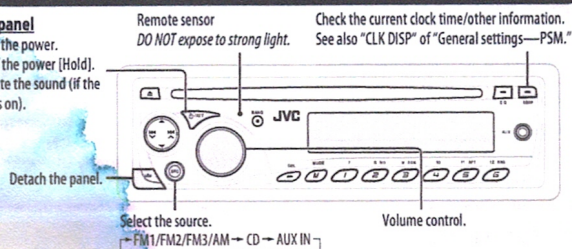


# OPERATIONS

## Basic operations

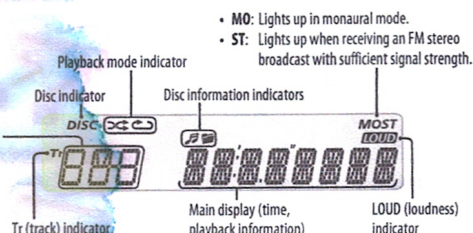
### Control panel

- Turn on the power.
- Turn off the power [Hold].
- Attenuate the sound (if the power is on).



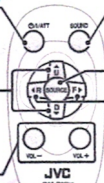
### Display window

- Source display
- Track number
- Folder number (for MP3/WMA discs)
- Volume level indicator
- Time countdown indicator

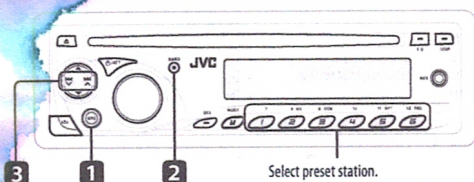


### Remote controller—RM-RK50

- Turns the power on if pressed briefly or attenuates the sound when power is on.
- Turns the power off if pressed and held.
- Changes the FM/AM bands with  $\Delta$  U.
- Changes the preset stations with D  $\nabla$ .
- Changes the folders of MP3/WMA discs.
- Adjusts the volume level.
- Selects the sound mode (IEQ: Intelligent Equalizer).
- Selects the source.
- Searches for stations if pressed briefly.
- Fast-forwards or reverses the track if pressed and held.
- Changes the track of the disc if pressed briefly.



## Radio operations



### 1 Select "FM/AM."

### 2 Select the bands. FM1→FM2→FM3→AM

### 3 Search for a station—Auto Search.

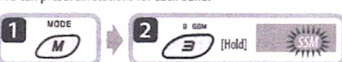
Manual Search: Hold either one of the buttons until "M" flashes on the display, then press it repeatedly.

### When an FM stereo broadcast is hard to receive

1. MODE → 2. B BAND
- Reception improves, but the stereo effect will be lost. MO indicator lights up.
- To restore the stereo effect, repeat the same procedure.

### FM station automatic presetting—SSM (Strong-station Sequential Memory)

You can preset six stations for each band.



### Manual presetting

Example: Storing the FM station of 92.5 MHz into preset number 4 of the FM1 band.



## MAINTENANCE

### How to clean the connectors

Wipe the connectors with a cotton swab or cloth moistened with alcohol.



### Moisture condensation

Moisture may condense on the lens inside the unit. Eject the disc and leave the unit turned on for a few hours until the moisture has evaporated.

### To keep discs clean

Wipe in a straight line from center of disc to edge. Do not use liquid cleaners, thinners, or benzene.

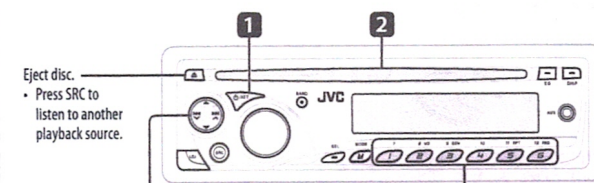


### To play new discs

Remove any rough areas from the inner and outer edges of the disc.



## Disc operations



- $\Delta$  /  $\nabla$  : Go to the next or previous track.
- [Press] Go to the next or previous track.
- [Hold] Fast-forwards or reverses the track.
- $\Delta$  /  $\nabla$  : Go to the next or previous folder (for MP3/WMA discs).

- [Press] Select track (for CD) or folder\* (for MP3/WMA) number (01 – 06).
- [Hold] Select track (for CD) or folder\* (for MP3/WMA) number (07 – 12).
- \* Folders are required to assigned with 2-digit numbers at the beginning.

### 1 Turn on the power.

### 2 Insert disc.

All tracks will be played repeatedly until you change the source or eject the disc.

### Selecting the playback modes

After pressing M MODE, press the following buttons to...

|        |           |                                                                                         |
|--------|-----------|-----------------------------------------------------------------------------------------|
| 11 RPT | TRK RPT   | : Plays the current track repeatedly.                                                   |
| 5      | FLDR RPT* | : Plays all tracks of the current folder repeatedly.                                    |
|        | RPT OFF   | : Cancels.                                                                              |
| 10 RND | FLDR RND* | : Plays all tracks of the current folder, then the tracks of the next folder at random. |
| 6      | ALL RND   | : Plays all tracks of the current disc at random.                                       |
|        | RND OFF   | : Cancels.                                                                              |

\* Only for MP3/WMA.

### Changing the display information

DISP

### While playing an audio CD or CD Text

|   |                           |
|---|---------------------------|
| A | Disc title / performer #1 |
| B | Track title #1            |

|   |                                                          |
|---|----------------------------------------------------------|
| A | : Clock with the current track number                    |
| B | : The elapsed playing time with the current track number |

\*1 If the current disc is an audio CD, "NO NAME" appears.

\*2 If an MP3/WMA file does not have tags or "TAG DISP" is set to "TAG OFF," folder name and file name appear.

### Skipping a track quickly during play

- For MP3/WMA disc, you can skip a track within the same folder.

Example: Select track 32



### Prohibiting disc ejection

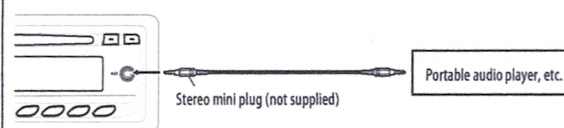
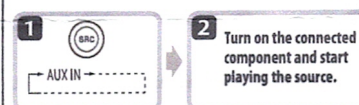
You can lock a disc in the loading slot.



To cancel the prohibition, repeat the same procedure.

## External component operations

You can connect an external component to the AUX (auxiliary) input jack on the control panel.



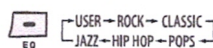
### Do not use the following discs:

|                               |                                     |                                                             |                |
|-------------------------------|-------------------------------------|-------------------------------------------------------------|----------------|
| Single CD—8 cm (3-3/16") disc | Warped disc                         | Sticker and sticker residue                                 | Stick-on label |
| Unusual shape                 | C-thru Disc (semi-transparent disc) | Transparent or semi-transparent parts on its recording area |                |



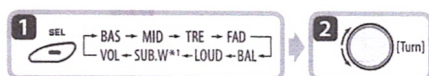
## SETTINGS

### Sound adjustments



| Indication (For)            | Preset values | BAS (bass) | MID (mid-range) | TRE (treble) | LOUD (loudness) |
|-----------------------------|---------------|------------|-----------------|--------------|-----------------|
| USER (Flat sound)           |               | 00         | 00              | 00           | OFF             |
| ROCK (Rock or disco music)  |               | +03        | 00              | +02          | OFF             |
| CLASSIC (Classical music)   |               | +01        | 00              | +03          | OFF             |
| POPS (Light music)          |               | +02        | +01             | +02          | OFF             |
| HIP HOP (Funk or rap music) |               | +04        | -02             | +01          | OFF             |
| JAZZ (Jazz music)           |               | +03        | 00              | +03          | OFF             |

### Adjusting the sound



|                               |                                                                                          |                                      |
|-------------------------------|------------------------------------------------------------------------------------------|--------------------------------------|
| BAS <sup>*2</sup> (bass)      | : Adjust the bass.                                                                       | -06 to +06                           |
| MID <sup>*2</sup> (mid-range) | : Adjust the middle frequencies sound level.                                             | -06 to +06                           |
| TRE <sup>*2</sup> (treble)    | : Adjust the treble.                                                                     | -06 to +06                           |
| FAD <sup>*3</sup> (fader)     | : Adjust the front and rear speaker balance.                                             | R06 to F06                           |
| BAL (balance)                 | : Adjust the left and right speaker balance.                                             | L06 to R06                           |
| LOUD <sup>*4</sup> (loudness) | : Boost low and high frequencies to produce a well-balanced sound at a low volume level. | LOUD ON or LOUD OFF                  |
| SUB.W (subwoofer)             | : Adjust the subwoofer output level.                                                     | 00 to 08                             |
| VOL (volume)                  | : Adjust the volume.                                                                     | 00 to 50 (or 00 to 30) <sup>*5</sup> |

<sup>\*1</sup> Displayed only when "L/O MODE" is set to "WOOFER."

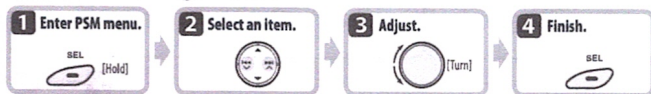
<sup>\*2</sup> When you adjust the bass, mid-range, or treble, the adjustment you have made is stored for the currently selected sound mode (IEQ) including "USER."

<sup>\*3</sup> If you are using a two-speaker system, set the fader level to "00."

<sup>\*4</sup> The adjustment made (LOUD ON/LOUD OFF) will be applied to all sound modes (IEQ).

<sup>\*5</sup> Depending on the amplifier gain control setting.

### General settings—PSM



| Indication             | Item (Initial)                      | Setting                                                                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEMO                   | • DEMO ON<br>• DEMO OFF             | : Display demonstration will be activated automatically if no operation is done for about 20 seconds.<br>: Cancels.                                                                                                                                                                                     |
| CLK DISP <sup>*6</sup> | • ON<br>• OFF                       | : Clock time is shown on the display at all times when the power is turned off.<br>: Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off.                                                                                                                  |
| CLOCK H (Hour)         | 1 - 12                              | : [Initial: 1 (1:00)]                                                                                                                                                                                                                                                                                   |
| CLOCK M (Minute)       | 00 - 59                             | : [Initial: 00 (1:00)]                                                                                                                                                                                                                                                                                  |
| DIMMER                 | • ON<br>• OFF                       | : Dims the display and button illumination.<br>: Cancels.                                                                                                                                                                                                                                               |
| SCROLL <sup>*7</sup>   | • ONCE<br>• AUTO<br>• OFF           | : Scrolls the displayed information once.<br>: Repeats scrolling (at 5-second intervals).<br>: Cancels.<br>: Pressing DISP for more than one second can scroll the display regardless of the setting.                                                                                                   |
| L/O MODE               | • REAR<br>• WOOFER                  | : Select if the REAR LINE OUT terminals are used for connecting the speakers (through an external amplifier).<br>: Select if the REAR LINE OUT terminals are used for connecting a subwoofer.                                                                                                           |
| WOOFER <sup>*8</sup>   | • LOW<br>• MID<br>• HIGH            | : Frequencies lower than 90 Hz are sent to the subwoofer.<br>: Frequencies lower than 135 Hz are sent to the subwoofer.<br>: Frequencies lower than 180 Hz are sent to the subwoofer.                                                                                                                   |
| AUX ADJ                | A.ADJ 00<br>- A.ADJ 05              | : Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source from external component connected to the AUX input jack on the control panel.                                                                                                              |
| TAG DISP               | • TAG ON<br>• TAG OFF               | : Shows the Tag while playing MP3/WMA tracks.<br>: Cancels.                                                                                                                                                                                                                                             |
| AMP GAIN <sup>*9</sup> | • LOW PWR<br>• HIGH PWR             | : VOL 00 - VOL 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.)<br>: VOL 00 - VOL 50                                                                                                                                                                 |
| AREA                   | • AREA US<br>• AREA EU<br>• AREA SA | : When using in North/Central/South America. AM/FM intervals are set to 10 kHz/200 kHz.<br>: When using in any other areas. AM/FM intervals are set to 9 kHz/50 kHz (100 kHz during auto search).<br>: When using in South American countries where FM interval is 100kHz. AM interval is set to 10kHz. |

<sup>\*6</sup> If the power supply is not interrupted by turning off the ignition key of your car, it is recommended that you select "OFF" to save the car's battery.

<sup>\*7</sup> Some characters or symbols will not be shown correctly (or will be blanked) on the display.

<sup>\*8</sup> Displayed only when "L/O MODE" is set to "WOOFER."

<sup>\*9</sup> The volume level automatically changes to "VOL 30" if you change to "LOW PWR" while the volume level is set higher than "VOL 30."

## TROUBLESHOOTING

| Symptoms                                                                       | Remedies/Causes                                                                                                                                                                   |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                                                                 |                                                                                                                                                                                   |
| • Sound cannot be heard from the speakers.                                     | • Adjust the volume to the optimum level.<br>• Check the cords and connections.                                                                                                   |
| • The buttons on the unit do not work as you intended.                         | If you press M MODE, some buttons work differently from its original function. Wait for 5 seconds or press M MODE again.                                                          |
| • This unit does not work at all.                                              | Reset the unit.                                                                                                                                                                   |
| <b>FM/AM</b>                                                                   |                                                                                                                                                                                   |
| • SSM automatic presetting does not work.                                      | Store stations manually.                                                                                                                                                          |
| • Static noise while listening to the radio.                                   | Connect the antenna firmly.                                                                                                                                                       |
| <b>Disc playback</b>                                                           |                                                                                                                                                                                   |
| • Disc ejects.                                                                 | Insert the disc correctly.                                                                                                                                                        |
| • CD-R/CD-RW cannot be played back.                                            | • Insert a finalized CD-R/CD-RW.<br>• Finalize the CD-R/CD-RW with the component which you used for recording.                                                                    |
| • Tracks on the CD-R/CD-RW cannot be skipped.                                  |                                                                                                                                                                                   |
| • Disc can be neither played back nor ejected.                                 | • Unlock the disc.<br>• Eject the disc forcibly.                                                                                                                                  |
| • Disc sound is sometimes interrupted.                                         | • Stop playback while driving on rough roads.<br>• Change the disc.<br>• Check the cords and connections.                                                                         |
| • "NO DISC" appears on the display.                                            | Insert a playable disc into the loading slot.                                                                                                                                     |
| • "PLEASE" and "EJECT" appear alternately on the display.                      |                                                                                                                                                                                   |
| <b>MP3/WMA playback</b>                                                        |                                                                                                                                                                                   |
| • Disc cannot be played back.                                                  | • Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.<br>• Add the extension code <.mp3> or <.wma> to the file names. |
| • Noise is generated.                                                          | Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)                                                              |
| • A longer readout time is required ("READING" keeps flashing on the display). | Do not use too many hierarchical levels and folders.                                                                                                                              |
| • Tracks are not played back in the order you have intended.                   | Playback order is determined when the files are recorded.                                                                                                                         |
| • The elapsed playing time is not correct.                                     | This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.                                                                                 |
| • The correct characters are not displayed (e.g. album name).                  | This unit can only display alphabets (upper case), numbers, and a limited number of symbols.                                                                                      |

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## SPECIFICATIONS

### Audio amplifier section

|                                |                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------|
| Power Output:                  | 20 W RMS × 4 Channels at 4 Ω and ≤ 1% THD+N                                      |
| Signal-to-Noise Ratio:         | 80 dBA (reference: 1 W into 4 Ω)                                                 |
| Load Impedance:                | 4 Ω (4 Ω to 8 Ω allowance)                                                       |
| Tone Control Range:            | Bass: ±12 dB at 60 Hz<br>Mid-range: ±12 dB at 1 kHz<br>Treble: ±12 dB at 7.5 kHz |
| Frequency Response:            | 40 Hz to 20 000 Hz                                                               |
| Line-Out Level/Impedance:      | 2.5 V/20 kΩ load (full scale)                                                    |
| Output Impedance:              | 1 kΩ                                                                             |
| Subwoofer-Out Level/Impedance: | 2.5 V/20 kΩ load (full scale)                                                    |

### CD player section

|                                             |                                                  |
|---------------------------------------------|--------------------------------------------------|
| Type:                                       | Compact disc player                              |
| Signal Detection System:                    | Non-contact optical pickup (semiconductor laser) |
| Number of channels:                         | 2 channels (stereo)                              |
| Frequency Response:                         | 5 Hz to 20 000 Hz                                |
| Dynamic Range:                              | 93 dB                                            |
| Signal-to-Noise Ratio:                      | 98 dB                                            |
| Wow and Flutter:                            | Less than measurable limit                       |
| MP3 Decoding Format:                        | MPEG1/2 Audio Layer 3<br>Max. Bit Rate: 320 kbps |
| WMA (Windows Media® Audio) Decoding Format: | Max. Bit Rate: 192 kbps                          |

### General

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| Power Requirement:               | Operating Voltage: DC 14.4 V (11 V to 16 V allowance)                                    |
| Grounding System:                | Negative ground                                                                          |
| Allowable Operating Temperature: | 0°C to +40°C (32°F to 104°F)                                                             |
| Dimensions (W × H × D):          | Installation Size (approx.):<br>182 mm × 52 mm × 160 mm<br>(7-3/16" × 2-1/16" × 6-5/16") |
| Panel Size (approx.):            | 188 mm × 58 mm × 6 mm<br>(7-7/16" × 2-5/16" × 1/4")                                      |
| Mass (approx.):                  | 1.3 kg (2.9 lbs) (excluding accessories)                                                 |

Design and specifications are subject to change without notice.

### Tuner section

|                  |                                                                                                                                                                                                                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range: | FM: 87.5 MHz to 107.9 MHz<br>(with channel interval set to 100 kHz or 200 kHz)<br>87.5 MHz to 108.0 MHz<br>(with channel interval set to 50 kHz)<br>AM: 530 kHz to 1 710 kHz<br>(with channel interval set to 10 kHz)<br>531 kHz to 1 602 kHz<br>(with channel interval set to 9 kHz) |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### [FM Tuner]

Usable Sensitivity: 9.3 dBf (0.8 μV/75 Ω)  
50 dB Quiet Sensitivity: 16.3 dBf (1.8 μV/75 Ω)  
Alternate Channel Selectivity (400 kHz): 65 dB  
Frequency Response: 40 Hz to 15 000 Hz  
Stereo Separation: 40 dB

#### [AM Tuner]

Sensitivity/Selectivity: 20 μV/40 dB

If a kit is necessary for your car, consult your telephone directory for the nearest car audio specialty shop.

**Having TROUBLE with operation?**  
**Please reset your unit**  
Still having trouble??  
Call 1-800-252-5722 (USA ONLY)  
<http://www.jvc.com>



## PREPARATION

You need the installation kits which corresponds to your car.

- Mark all the check boxes (✓) to make sure you have follow the instructions and the listed parts.

### Check the battery system in your car



### Prepare this before installation



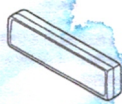
## TROUBLESHOOTING

- The fuse blows.** ⇒ Are the red and black leads connected correctly?
- Power cannot be turned on.** ⇒ Is the yellow lead connected?
- No sound from the speakers.** ⇒ Is the speaker output lead short-circuited?
- Sound is distorted.** ⇒ Is the speaker output lead grounded? Are the "—" terminals of L and R speakers grounded in common?
- Noise interfere with sounds.** ⇒ Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- This unit becomes hot.** ⇒ Is the speaker output lead grounded? Are the "—" terminals of L and R speakers grounded in common?
- This unit does not work at all.** ⇒ Have you reset your unit?

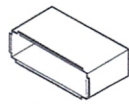
### Parts list for installation and connection



A Control panel



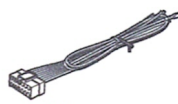
B Sleeve



C Trim plate



D Power cord



E Handles

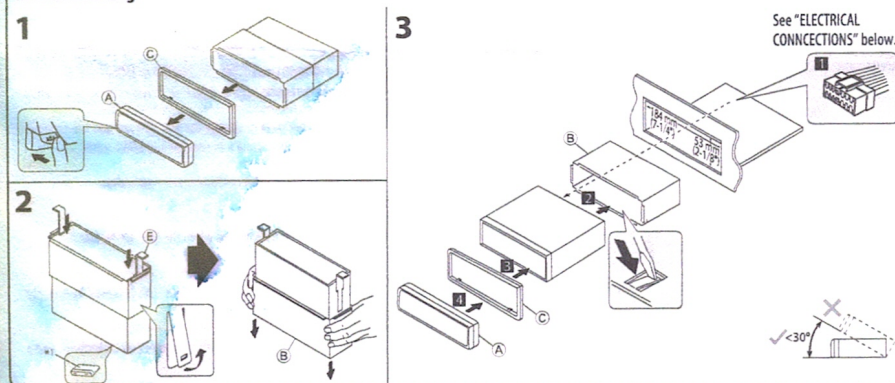


F Remote controller / Battery

## INSTALLATION

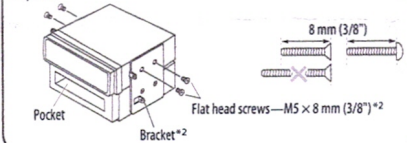
The following illustration shows a typical installation. If you are not sure how to install this unit correctly, contact your JVC car audio dealer or a company supplying kits.

### In-dash mounting



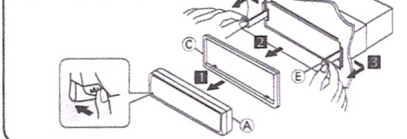
### When installing the unit without using the sleeve

In a Toyota car for example, first remove the car radio and install the unit in its place.



### Removing the unit

Release the rear section first...



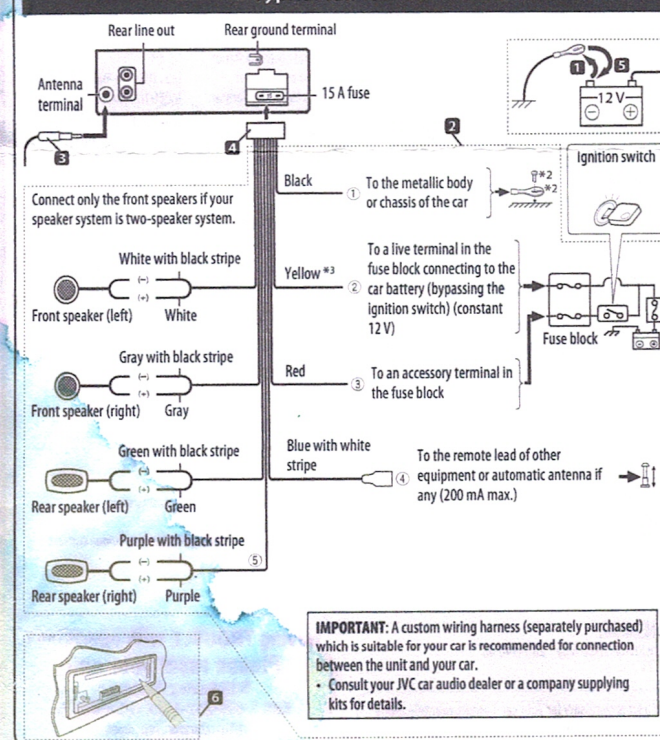
## ELECTRICAL CONNECTIONS

- Make sure to disconnect the battery's negative terminal.
- Be sure to ground this unit to the car's chassis again after installation.

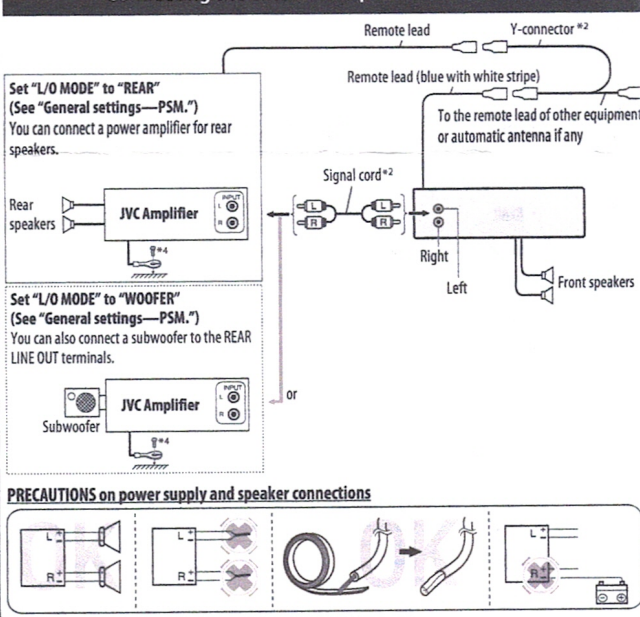
### Note:

It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see "General settings—PSM").

### Typical connections



### Connecting the external amplifier or subwoofer



\*1 When you stand the unit, be careful not to damage the fuse on the rear.

\*2 Not supplied for this unit.

\*3 Before checking the operation of this unit prior to installation, this lead must be connected, otherwise the power cannot be turned on.

\*4 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.