

  
 U.S. Department  
 of Transportation  
**National Highway  
 Traffic Safety  
 Administration**

**DOT Auto Safety Hotline  
 Vehicle Owner's Questionnaire  
 TO REPORT VEHICLE SAFETY DEFECTS**  
 1-888-DASH-2-DOT  
 (1-888-327-4236)  
 INTERNET: [www.nhtsa.dot.gov/hotline](http://www.nhtsa.dot.gov/hotline)

FOR AGENCY USE ONLY

Date Received: **3/31/00**

**RECEIVED**

**551810**

Reference No. \_\_\_\_\_

Daytime telephone Number \_\_\_\_\_

**OWNER INFORMATION (Type or Print)**

Name: \_\_\_\_\_  
 Street: \_\_\_\_\_  
 City: \_\_\_\_\_

**Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle?**  YES  NO  
**In the absence of an authorization, NHTSA WILL NOT provide your name or address to the vehicle manufacturer.**

Signature of Owner: \_\_\_\_\_ Date: **03/31/00**

**PRODUCT INFORMATION**

Vehicle Identification No. (VIN) (Located at bottom of windshield on driver's side) <b>J P M E C 1 3 1 1 H S 0 4 0 3 4 9</b>										Make <b>Honda</b>		Model <b>CRX</b>		Year <b>1987</b>	
Purchased Date <b>March 1999</b>		Dealer's Name <b>Individual (private sale)</b>				Engine Size (CID/OCL) <b>4</b>		<input type="checkbox"/> Turbo <input type="checkbox"/> Diesel <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Fuel Injection		No. Cylinders <b>4</b>					
<input type="checkbox"/> New <input checked="" type="checkbox"/> Used		Dealer's City _____		State _____		Zip Code _____		Transmission Type <input checked="" type="checkbox"/> Manual <input type="checkbox"/> Automatic		Restraint System <input type="checkbox"/> Driverside Air Bag <input type="checkbox"/> Motorbelt <input type="checkbox"/> Passengerside Air Bag <input type="checkbox"/> 2-Point Belt <input type="checkbox"/> 3-Point Belt					
Manufacture Date (on driver's door or pile) <b>4-87</b>		Cruise Control <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Drivetrain <input checked="" type="checkbox"/> Front <input type="checkbox"/> Rear <input type="checkbox"/> 4-Wheel		Vehicle Type <input checked="" type="checkbox"/> Car <input type="checkbox"/> Sport Utility <input type="checkbox"/> Van <input type="checkbox"/> Truck <input type="checkbox"/> Minivan <input type="checkbox"/> Motorcycle <input type="checkbox"/> Other		Body Style <input checked="" type="checkbox"/> 2-Door <input type="checkbox"/> 4-Door <input type="checkbox"/> Stationwagon <input type="checkbox"/> Pick Up Truck <input type="checkbox"/> Other							

**FAILED COMPONENT(S)/PART(S) INFORMATION**

Part Name(s) <b>ball joint assembly</b>		Location <input type="checkbox"/> Left <input checked="" type="checkbox"/> Right <input checked="" type="checkbox"/> Front <input type="checkbox"/> Rear		Failed Part(s) <input type="checkbox"/> Original <input type="checkbox"/> Replacement		Handicap Adaptive Equip <input type="checkbox"/> Yes <input type="checkbox"/> No	
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**TO BE COMPLETED WHEN REPORTING A TIRE FAILURE**

Tire Brand _____		Tire Name _____		Complete Tire Size _____	
No. of Failures _____		Date(s) of Failure(s) _____		Failed Part(s) Available? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Mileage at Failure(s) _____		Vehicle Speed at Failure(s) _____		NHTSA Previously Contacted? <input type="checkbox"/> Yes <input type="checkbox"/> No	

**APPLICABLE INCIDENT INFORMATION**

*(Please describe in detail the Incident(s), Failure(s), Crash(es), and Injury(ies). Attach photos if available.)*

Crash <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Fire <input type="checkbox"/> Yes <input type="checkbox"/> No		Number of Persons Injured _____		Number of Fatalities _____		Reported to Manufacturer <input type="checkbox"/> Yes <input type="checkbox"/> No	
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Narrative Description of Incident(s), Failure(s), Crash(es), and Injury(ies):

**This vehicle was inspected on 3-23-00 and passed after owner re-placed back brakes. Vehicle was picked up from Jim's Muffler after having brakes replaced on 3-24-00. (inspection approval enclosed) The vehicle was driven 24 miles after the inspection when the joint assembly broke. (tow bill enclosed) The owner called the business which inspected the vehicle and was told that on this car, they weren't required to inspect, approve or reject the ball joints. The owner called the Highway Patrol** Continue on back.

**The Privacy Act of 1974 - Public Law 93-579** This information is requested pursuant to 49 U.S.C. Chapter 301. You are under no obligation to respond to this questionnaire. Your response may be used to assist NHTSA in determining whether a manufacturer should take appropriate action to correct a safety defect. If NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.

## Ball Joint Wear Tables continued

**Table 2 - Manufacturer's Tolerances For Ball Joint Wear With Spring Or Torsion Bar On Upper Arm And McPherson Strut Suspension**

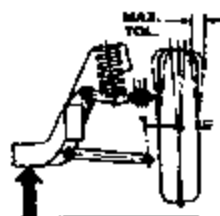
Model	Year	Vertical Movement	Horizontal Movement
<b>AMERICAN MOTORS</b>			
All models except			
Pacer	70-80	.080"	.160"(e)
	81-88	(c)(f)	.160"(e)
<b>CHRYSLER</b>			
E-Class, LeBaron,			
Imperial, New Yorker	82-92	.000	(a)
Chrysler TC by Maserati	1991	.000	(a)
Laser	84-86	.000	(a)
<b>DODGE</b>			
Aries	1980	.050"	(a)
Aries 400, 600	81-89	.060	(a)
Caravan	84-92	.000	(a)
Omni	78-80	.050"	(a)
Omni, Charger	81-90	.000	(a)
Daytona	84-92	.000	(a)
Lancer	85-89	.000	(a)
Shadow	87-92	.000	(a)
Dynasty	88-92	.000	(a)
Spirit	89-92	.000	(a)
Monaco	91-92	.000	.000
<b>EAGLE</b>			
Premier	88-92	.000	.000
Medallion	1989	.000	.000
<b>FORD</b>			
Escort, EXP	81-92	No Play	No Play
Granada	75-80	(c)	No Play
Probe	89-92	No Play	No Play
Torino	68-79	(c)	.250"(6mm)
Taurus	86-92	No Play	No Play
Tempo	83-92	No Play	No Play
<b>LINCOLN</b>			
Versailles	77-79	(c)	No Play
Continental (FWD)	88-92	No Play	No Play
<b>MERCURY</b>			
Cougar	67-79	(c)	.280"(6mm)
Monarch	75-80	(c)	No Play
Sable	86-92	No Play	No Play
Topaz	83-92	No Play	No Play
<b>PLYMOUTH</b>			
Horizon	76-80	.050"	(a)
Horizon, Turismo	81-90	.000	(a)
Reliant	1980	.050"	(a)
	81-89	.000	(a)
Voyager	84-92	.000	(a)
Sundance	87-92	.000	(a)
Acclaim	89-92	.000	(a)

(d) Measured at drive axle nut.

(e) Horizontal movement tests for American Motors cars from 1970 thru 1986 excluding Pacer. Play should be measured at outside wheel rim and not at the ball joint. See drawing at right for proper placement of dial indicator.

(f) No play allowed on lower ball joint.

(g) See inspection procedure Chrysler Upper Ball Joint.



HORIZONTAL MOVEMENT

## Imports

**Table 3 - Manufacturer's Tolerances For Ball Joint Wear With Spring Or Torsion Bar On Lower Control Arm**

Model	Year	Vertical Movement	Horizontal Movement
<b>ACURA</b>			
All models	86-89	Do Not Test	Do Not Test
<b>ALFA ROMEO</b>			
All Models	57-86	.060"	Do Not Test
<b>BMW</b>			
All Models Except			
Indicated	75-89	1.4mm	Do Not Test
318i	84-85	1.0mm	Do Not Test
325i	84-89	1.0mm	Do Not Test
735i, 750i	87-89	1.0mm	Do Not Test
<b>Honda</b>			
Civic & CRX	84-89	Do Not Test	Do Not Test
Accord	86-89	Do Not Test	Do Not Test
Prelude	83-89	Do Not Test	Do Not Test
<b>INFINITI</b>			
All models except			
as listed	90-91	.000	None
M30	90-91	.050	None
<b>ISUZU</b>			
Impulse, Stylus	90-92	.040"	Do Not Test
<b>JAGUAR</b>			
All Models	72-87	.060"	.040"
All Models	1988	.006	.007
<b>MITSUBISHI</b>			
Montero	Thru 88	.020"	Do Not Test
Van/Wagon	1988	None	None
Truck	1988	.02"	Do Not Test
<b>ROLLS ROYCE</b>			
All Models	67-88	None	None
<b>TOYOTA</b>			
Supra	Thru 89	.012(lower)	None
Truck & 4 Runner	Thru 89	.091(w/o load)	None
Celica	85-87	None	None
Camry	86-87	None	None
Starlet	81-84	None	None
<b>VOLVO (I)</b>			
All Models Except			
Indicated	Thru 88	3mm	Do Not Test
140, 164, (with spring joint)	Thru 88	5mm	Do Not Test

\* Information for Foreign manufacturers was furnished by Association of International Automobile Manufacturers, Inc. and is limited to models represented by their membership.

Criteria of Mazda Model Ball Joints			
Model	Year	Criteria Pounds	Test
GLC	81-85	63-108 lbs.	*1
GLC Wagon	81-86	0.88 lbs. or more	*2
RX-7	81-85	0.88 lbs. or more	*2
	86-88	4.4-7.7 lbs.	*3
323	66-88	1.6-3.1 N/m	*3
825	83-88	4.4-7.7 lbs.	*3
929	1988	1.1-2.6 lbs.	*3
B2000	86-87	40 lbs. or less	*3
B2200	87-88	4.4-7.7 lbs.	*3
B2600	87-88	4.4-7.7 lbs.	*3

\*1: Measure the turning force at the end of ball joint arm by using a pull scale.

\*2: Measure the turning force at the end of knuckle arm by using a pull scale.

\*3: Install the Mazda special tool to the ball stud, and then measure by using a pull scale.



# JACK'S TUNE UP & ALIGNMENT

140245

508 N. SCOTT - BELTON, MO. 64012

Phone: 331-1100

QTY.	ARTICLE	PRICE
1	Ball joint	165.00
1	5 Bar Kit	27.00
		192.00

Name: [Redacted] Date: 3-29-2000  
 Address: [Redacted] Phone No.: 24. 4436  
 Make & Model: Honda Mileage: 130951

DESCRIPTION OF WORK	AMOUNT
(1) Reptan Ball joint	165.00
" " 5 Bar kit	27.00
sub total	192.00
OUTSIDE LABOR	
TOW	
TOTAL LABOR	170.00
TOTAL PARTS	192.00
SALES TAX	14.00
TOTAL AMOUNT	376.00

REMARKS:

(1)

Missouri Motor Vehicle Inspection  
**APPROVAL NOTICE**

---SEE INFORMATION ON REVERSE SIDE---

	TIME INSPECTION STARTED <b>9:00</b>
	TIME INSPECTION STOPPED <b>9:45</b>
	COUNTY <b>Ray</b>

VEH YR <b>87</b>	MAKE <b>HONDA</b>	MODEL <b>CRX</b>	ODOMETER READING <b>130927</b>	LICENSE NUMBER <b>902KJH</b>
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VEH ID NO.  
**JHMEC1311H5040349**

BODY STYLE <input checked="" type="checkbox"/> Car <input type="checkbox"/> School Bus <input type="checkbox"/> Trailer <input type="checkbox"/> Truck / Bus <input type="checkbox"/> Motorcycle		FUEL TYPE <input checked="" type="checkbox"/> Gas <input type="checkbox"/> CNG <input type="checkbox"/> Electric <input type="checkbox"/> Other (Explain) <input type="checkbox"/> LPG <input type="checkbox"/> Diesel <input type="checkbox"/> Gas/LPG		
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**DEFECTS**

CODE	DEFECTIVE PART	PART COST	LABOR COST	TOTAL
<b>K03</b>	<b>L-R - wheel cpl. Tearing</b>			
<b>K06</b>	<b>L-R - Brake Contaminated</b>			

<input type="checkbox"/> ID / OD VERIFICATION	<input type="checkbox"/> TRAILER VERIFICATION	BRAKE INSPECTED <input type="checkbox"/> LF <input checked="" type="checkbox"/> RF <input type="checkbox"/> LR <input type="checkbox"/> RR	TOTAL COST \$ <b>1</b>
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INSPECTION STATION <b>Jim Mygler</b>	STATION NUMBER <b>01906R</b>
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CITY WHERE INSPECTED <b>Belton</b>	DATE INSPECTED <b>3-23-00</b>
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INSPECTOR'S FIRM # NUMBER <b>492660212</b>	INSPECTOR'S SIGNATURE <b>Jim Mygler</b>
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**REPAIR AUTHORIZATION**

I realize total repair cost is an estimate and repairs are not required to be performed at this station, but I authorize the above establishment to repair my vehicle.

OWNER'S SIGNATURE	DATE REINSPECTED <b>3-24-00</b>
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REINSPECTOR'S PERMIT NUMBER <b>492660212</b>	STICKER / DECAL NUMBER <b>B-1095632</b>
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REINSPECTOR'S SIGNATURE <b>Jim Mygler</b>	CONTROL NUMBER <b>A 0652500</b>
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