

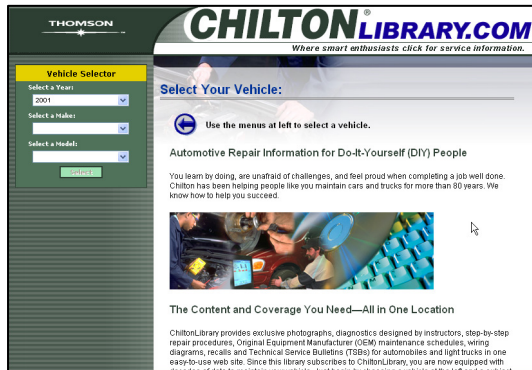


Available at our web site:

## Navigation Guide

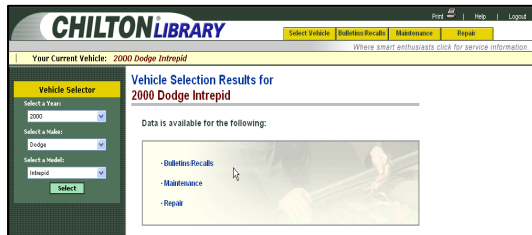
### GETTING STARTED

The first screen you will view after logging in to the database is shown below.



The left side of the screen is where you begin your search by using the drop down menus to select the Make, Model, and Year of your vehicle. These three search criteria must be selected in a TOP to BOTTOM order. In other words, the YEAR must be chosen first, then the MAKE, and finally the MODEL. Once you have selected criteria from all three menus, click the green 'select' button.

Next you will see the **Vehicle Selection Results** screen, which confirms the vehicle you selected and lists three main categories of information available for that vehicle:



If the listed vehicle is NOT the one you want, click the yellow 'Select Vehicle' tab at the top of the screen to return to the main search page. The three main categories of search results are:

- Bulletins/Recalls
- Maintenance
- Repair

\*Some vehicles may not have all three categories

These three options will guide the rest of your vehicle research. Let's use two sample searches to demonstrate the search capability and functionality.

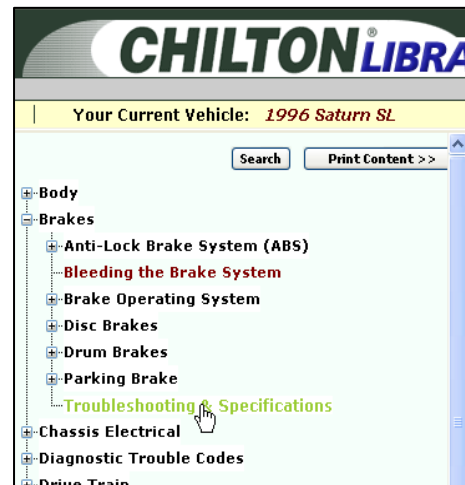
#### Problem 1:

Your 1996 Saturn SL brake system seems to be acting up but you are not sure what the problem is. You want to use the troubleshooting option to help diagnose the problem.

#### Solution:

1. Open *ChiltonLibrary.com* and find the desired vehicle by selecting "1996" for the "Year", "Saturn" for the "Make", "SL" for the "Model." Click the "Select" button.
2. Select "Repair" from the **Vehicle Selection Results** screen
3. Use the Document Tree in the left frame to expose subcategories of the Brakes topic: the '+' sign expands the topic and the '-' sign collapses the topic
4. Click the '+' sign next to Brakes
5. Select 'Troubleshooting & Specifications' from the resulting options

\*Note that at any time you can print the results in the right frame by clicking [Print Content >>](#) at the top of the left frame



\*If you cannot locate the desired information, try using the **Search** box also located at the top of the left frame

6. Retrieved are charts that can be enlarged for easier viewing by clicking on the "Click to enlarge" link located under each chart.

ChiltonLibrary.com > Brakes > Troubleshooting & Specifications

### Troubleshooting & Specifications

**BRAKE SPECIFICATIONS**  
AT Conversion for (Metric) vehicles

Year	Model	Disc	Drum	Disc	Drum	Disc	Drum	Disc	Drum	Disc	Drum
2005	Ford	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L
2006	Ford	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L	2.3L

**Brake Specifications**  
[Click to Enlarge](#)

**Troubleshooting the Brake System**

Problem	Cause	Solution
Low brake pedal (excessive pedal travel required for braking action.)	<ul style="list-style-type: none"> <li>Excessive clearance between rear linings and drums caused by in-operative automatic adjusters</li> <li>Worn rear brakelining</li> <li>Bent, distorted brakeshoes, front or rear</li> <li>Air in hydraulic system</li> </ul>	<ul style="list-style-type: none"> <li>Make 10 to 15 alternate forward and reverse brake stops to adjust brakes. If brake pedal does not come up, repair or replace adjuster parts as necessary.</li> <li>Inspect and replace lining if worn beyond minimum thickness specification</li> <li>Replace brakeshoes in axle sets</li> <li>Remove air from system. Refer to Brake Bleeding.</li> </ul>
Low brake pedal (pedal may go to floor with steady pressure applied.)	<ul style="list-style-type: none"> <li>Fluid leak in hydraulic system</li> <li>Air in hydraulic system</li> <li>Incorrect or non-recommended brake fluid (fluid evaporates at below normal temp).</li> <li>Master cylinder piston seals worn, or master cylinder bore is scored, worn or corroded</li> </ul>	<ul style="list-style-type: none"> <li>Fill master cylinder to fill line; have helper apply brakes and check calipers, wheel cylinders, differential valve tubes, hoses and fittings for leaks. Repair or replace as necessary.</li> <li>Remove air from system. Refer to Brake Bleeding.</li> <li>Flush hydraulic system with clean brake fluid. Refill with correct-type fluid.</li> <li>Repair or replace master cylinder</li> </ul>

3. Scroll down until you locate spark plugs under the 'to be serviced' column

**CHILTONLIBRARY** | Print | Help | Logout

Select Vehicle | **Bulletins/Recalls** | Maintenance | Repair

Your Current Vehicle: **2005 Ford Escape**

**Maintenance Intervals**

**SCHEDULED MAINTENANCE INTERVALS**

2005 Ford Escape/Mercury Mariner, exc. Escape Hybrid

To be serviced	Type of service	Vehicle mileage interval (x1000)																
		5	10	15	20	25	30	35	40	45	50	55	60	65				
Air cleaner filter	R																	

		150,000 miles			
Rotate tires	S/I	X	X	X	X
Steering linkage	S/I		X		
Spark plugs	R				Change at 100,000 miles
Suspension components	S/I			X	
Wheels	I			X	

A sample "enlarged" view is shown below. The resulting document is opened up in your web browser and is provided in PDF format to be printed and/or saved.

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*In this example, spark plugs should be replaced at 100,000 miles*

4. Click the 'print' icon at the top of the page to print the entire maintenance schedule

Print | Help | Logout

Select Vehicle | **Bulletins/Recalls** | Maintenance | Repair

Where smart enthusiasts click for service information.

**Search 2:**

How often should I replace the spark plugs in my 2005 Ford Escape?

**Solution:**

1. Open *ChiltonLibrary.com* and find the desired vehicle by selecting "2005" for the "Year", "Ford" for the "Make", "Escape" for the "Model", and clicking on the "Select" button.
2. Select **Maintenance** from the **Vehicle Selection Results** screen