

Lesson 1 Vehicle Repairs



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A major cost associated with owning a vehicle can be the cost of repairs if the warranty has expired.

Sample repair bill

CUSTOMER INFO		VEHICLE INFO		
NAME		MAKE		
ADDRESS		MODEL		
		YEAR		
		COLOR		
		VIN #		
		REG #		
		MILEAGE		

JOB PERFORMED	HOURS	RATE	AMOUNT
Labour	2	75.00	150.00
			=
			=
			=
			=
			=
			=
SUBTOTAL			\$ 150.00

PART #	PART NAME	QTY	UNIT PRICE	AMOUNT
12345	Part Name 1	1	34.00	34.00
87880	Part Name 2	2	17.55	35.10
				=
				=
				=
				=
SUBTOTAL			\$ 89.10	
SALES TAX RATE			% 6.96	

COMMENTS		TOTAL LABOUR	\$ 150.00
Please include the invoice number as reference when paying online or by check.		TOTAL PARTS	\$ 89.10
		SALES TAX	\$ 18.74
		TOTAL	\$ 237.84

Thank you for your business!

Make all checks payable to
My Company name

Calculating A Vehicle Repair Bill

- 1.) Cost of parts/materials
- 2.) Cost of Labour (hourly rate x number of hours)
- 3.) Sub-total
- 4.) Taxes on Sub-Total (PST 7%, GST 5%)
- 5.) Total (Sub-total plus taxes)

Example 1

David takes his vehicle to a garage to have the oil changed and suspension repaired. The charge for labour is \$125 per hour. Use the information in the table to calculate the total cost of the repair bill.

Service	Cost of Parts/Supplies	Hours of Labour Required
Oil change	\$18	0.5
Suspension repair	+ \$227	+ 1.75

$$\underline{\$245}$$

$$\underline{2.25 \text{ hrs}}$$

$$\$125 \times 2.25 = \$281.25$$

$$\begin{aligned} \text{Sub-total} &= \text{Parts} + \text{labour} \\ &= \$245 + \$281.25 \\ &= \$526.25 \end{aligned}$$

Taxes

$$\$526.25 \times 1.12$$

$$\boxed{\$589.40}$$

* Note:

Taxes are usually calculated separately
 PST 7% (sub-total \times 0.07)
 GST 5% (sub-total \times 0.05)

Example 2

Grace needs a new muffler at a cost of \$218 and transmission repairs with a cost of \$575 for parts. If it takes 0.5 hours to repair the muffler and 2.5 hours to repair the transmission, calculate the total cost of the repair bill if the cost of labour is \$118/hr.

$$\begin{array}{r} \text{Parts} \\ 218 \\ + 575 \\ \hline \$793 \end{array}$$

$$\begin{array}{r} \text{Labour} \\ 2.5 \\ 0.5 \\ \hline 3 \text{ hrs} \end{array}$$

$$3 \times 118 = \$354$$

$$\begin{aligned} \text{Sub-total} &= \text{Parts} + \text{labour} \\ &= 793 + 354 \\ &= \$1147 \end{aligned}$$

$$\begin{array}{r} \text{Total} \\ \text{w/taxes} \\ 1147 \times 1.12 \\ \hline \$1284.64 \end{array}$$