

Operation Maintenance Chart

The Auto Maintenance Merit Badge Pamphlet is missing the required Operation Maintenance Chart! Here is a sample chart that you might consider using until the BSA chart is published. The following is based on the interactive true cost of ownership calculator at Edmunds.com: <http://www.edmunds.com/apps/cto/CTOIntroController>

New Vehicle	Monthly costs	Calculations for: Year: _____ Make/Model: _____
Total Purchase Price	\$	Including taxes, dealer fees, etc.
Financing (Payment)	\$	Assuming 3% of Price: Price X 0.03 (financing rates and terms vary greatly)
Depreciation	\$	Assuming 1% of Price: Price X 0.01 (new vehicles depreciate more)
Insurance	\$	A young male might average \$150 for a new car with comprehensive & collision
Tax & Fees	\$	Annual license and registration, fees, etc. ÷ 12 (typically near \$10/month)
Gas	\$	=\$/gallon ÷ Miles/gallon X _____ Miles/month (1,000 miles/month is average)
Maintenance/Repairs	\$	Batteries, brakes, hoses, exhaust system, tires, engine, etc (\$100/month?)
Total	\$	= Financing + Depreciation + Insurance + Taxes + Gas + Maintenance
÷ Monthly Miles	÷ <input type="text"/> miles	Use same assumption as for gas. 1,000 miles/month is average.
= Cost per mile	=	The IRS assumes 56 cents/mile in 2013.

Used Vehicle	Monthly costs	Calculations for: Year: _____ Make/Model: _____
Total Purchase Price	\$	Including taxes, dealer fees, etc.
Financing (Payment)	\$	Assuming 3% of Price: Price X 0.03 (financing rates and terms vary greatly)
Depreciation	\$	Assuming 1% of Price: Price X 0.01 (new vehicles depreciate more)
Insurance	\$	A young male might average \$150 for a new car with comprehensive & collision
Tax & Fees	\$	Annual license and registration, fees, etc. ÷ 12 (typically near \$10/month)
Gas	\$	=\$/gallon ÷ Miles/gallon X _____ Miles/month (1,000 miles/month is average)
Maintenance/Repairs	\$	Batteries, brakes, hoses, exhaust system, tires, engine, etc (\$100/month?)
Total	\$	= Financing + Depreciation + Insurance + Taxes + Gas + Maintenance
÷ Monthly Miles	÷ <input type="text"/> miles	Use same assumption as for gas. 1,000 miles/month is average.
= Cost per mile	=	The IRS assumes 56 cents/mile in 2013.

Third Vehicle	Monthly costs	Calculations for: Year: _____ Make/Model: _____
Total Purchase Price	\$	Including taxes, dealer fees, etc.
Financing (Payment)	\$	Assuming 3% of Price: Price X 0.03 (financing rates and terms vary greatly)
Depreciation	\$	Assuming 1% of Price: Price X 0.01 (new vehicles depreciate more)
Insurance	\$	A young male might average \$150 for a new car with comprehensive & collision
Tax & Fees	\$	Annual license and registration, fees, etc. ÷ 12 (typically near \$10/month)
Gas	\$	=\$/gallon ÷ Miles/gallon X _____ Miles/month (1,000 miles/month is avg.)
Maintenance/Repairs	\$	Batteries, brakes, hoses, exhaust system, tires, engine, etc (\$100/month?)
Total	\$	= Financing + Depreciation + Insurance + Taxes + Gas + Maintenance
÷ Monthly Miles	÷ <input type="text"/> miles	Use same assumption as for gas. 1,000 miles/month is average.
= Cost per mile	=	The IRS assumes 56 cents/mile in 2013.