

Gas Savings per 10,000 Miles from Trading in a Clunker

Prepared by Richard P. Larrick May 2009

See www.mpgillusion.com and www.gpmcalculator.com

To see your gas savings from trading in a less efficient car for a more efficient car, start by finding your current MPG level in the top row (which ranges from 10 MPG to 18 MPG). Once you have found your current MPG, look down that column. Each row represents the gas savings from buying a higher MPG vehicle (MPG appears in the second column on the right and ranges from 15 to 50). For example, if you trade in a 17 MPG car for a 27 MPG car, you will save 218 gallons per 10,000 miles (highlighted in blue). The amounts in yellow are the gallons of gas used when driving 10,000 miles for that level of MPG.

		ORIGINAL VEHICLE									
		MPG	10	11	12	13	14	15	16	17	18
NEW VEHICLE	MPG	G/10K	1000	909	833	769	714	667	625	588	556
	15	667	333	242	167	103	48				
16	625	375	284	208	144	89	42				
17	588	412	321	245	181	126	78	37			
18	556	444	354	278	214	159	111	69	33		
19	526	474	383	307	243	188	140	99	62	29	
20	500	500	409	333	269	214	167	125	88	56	
21	476	524	433	357	293	238	190	149	112	79	
22	455	545	455	379	315	260	212	170	134	101	
23	435	565	474	399	334	280	232	190	153	121	
24	417	583	492	417	353	298	250	208	172	139	
25	400	600	509	433	369	314	267	225	188	156	
26	385	615	524	449	385	330	282	240	204	171	
27	370	630	539	463	399	344	296	255	218	185	
28	357	643	552	476	412	357	310	268	231	198	
29	345	655	564	489	424	369	322	280	243	211	
30	333	667	576	500	436	381	333	292	255	222	
31	323	677	587	511	447	392	344	302	266	233	
32	313	688	597	521	457	402	354	313	276	243	
33	303	697	606	530	466	411	364	322	285	253	
34	294	706	615	539	475	420	373	331	294	261	
35	286	714	623	548	484	429	381	339	303	270	
36	278	722	631	556	491	437	389	347	310	278	
37	270	730	639	563	499	444	396	355	318	285	
38	263	737	646	570	506	451	404	362	325	292	
39	256	744	653	577	513	458	410	369	332	299	
40	250	750	659	583	519	464	417	375	338	306	
41	244	756	665	589	525	470	423	381	344	312	
42	238	762	671	595	531	476	429	387	350	317	
43	233	767	677	601	537	482	434	392	356	323	
44	227	773	682	606	542	487	439	398	361	328	
45	222	778	687	611	547	492	444	403	366	333	
46	217	783	692	616	552	497	449	408	371	338	
47	213	787	696	621	556	502	454	412	375	343	
48	208	792	701	625	561	506	458	417	380	347	
49	204	796	705	629	565	510	463	421	384	351	
50	200	800	709	633	569	514	467	425	388	356	

Dollar Savings per 10,000 Miles from Trading in a Clunker

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To see the dollar value of your gas savings from trading in a less efficient car for a more efficient car, start by finding your current MPG level in the top row (which ranges from 10 MPG to 18 MPG). Once you have found your current MPG, look down that column. Each row represents the dollar value of gas savings from buying a higher MPG vehicle (MPG appears in the second column on the right and ranges from 15 to 50). For example, if you trade in a 17 MPG car for a 27 MPG car, you will save \$545 per 10,000 miles (highlighted in blue). The amounts in yellow are the gas costs for that level of MPG when driving 10,000 miles.

		ORIGINAL VEHICLE									
		MPG	10	11	12	13	14	15	16	17	18
NEW VEHICLE	MPG	Cost/10K	\$2,500	\$2,273	\$2,083	\$1,923	\$1,786	\$1,667	\$1,563	\$1,471	\$1,389
	15	\$1,667	\$833	\$606	\$417	\$256	\$119				
16	\$1,563	\$938	\$710	\$521	\$361	\$223	\$104				
17	\$1,471	\$1,029	\$802	\$613	\$452	\$315	\$196	\$92			
18	\$1,389	\$1,111	\$884	\$694	\$534	\$397	\$278	\$174	\$82		
19	\$1,316	\$1,184	\$957	\$768	\$607	\$470	\$351	\$247	\$155	\$73	
20	\$1,250	\$1,250	\$1,023	\$833	\$673	\$536	\$417	\$313	\$221	\$139	
21	\$1,190	\$1,310	\$1,082	\$893	\$733	\$595	\$476	\$372	\$280	\$198	
22	\$1,136	\$1,364	\$1,136	\$947	\$787	\$649	\$530	\$426	\$334	\$253	
23	\$1,087	\$1,413	\$1,186	\$996	\$836	\$699	\$580	\$476	\$384	\$302	
24	\$1,042	\$1,458	\$1,231	\$1,042	\$881	\$744	\$625	\$521	\$429	\$347	
25	\$1,000	\$1,500	\$1,273	\$1,083	\$923	\$786	\$667	\$563	\$471	\$389	
26	\$962	\$1,538	\$1,311	\$1,122	\$962	\$824	\$705	\$601	\$509	\$427	
27	\$926	\$1,574	\$1,347	\$1,157	\$997	\$860	\$741	\$637	\$545	\$463	
28	\$893	\$1,607	\$1,380	\$1,190	\$1,030	\$893	\$774	\$670	\$578	\$496	
29	\$862	\$1,638	\$1,411	\$1,221	\$1,061	\$924	\$805	\$700	\$609	\$527	
30	\$833	\$1,667	\$1,439	\$1,250	\$1,090	\$952	\$833	\$729	\$637	\$556	
31	\$806	\$1,694	\$1,466	\$1,277	\$1,117	\$979	\$860	\$756	\$664	\$582	
32	\$781	\$1,719	\$1,491	\$1,302	\$1,142	\$1,004	\$885	\$781	\$689	\$608	
33	\$758	\$1,742	\$1,515	\$1,326	\$1,166	\$1,028	\$909	\$805	\$713	\$631	
34	\$735	\$1,765	\$1,537	\$1,348	\$1,188	\$1,050	\$931	\$827	\$735	\$654	
35	\$714	\$1,786	\$1,558	\$1,369	\$1,209	\$1,071	\$952	\$848	\$756	\$675	
36	\$694	\$1,806	\$1,578	\$1,389	\$1,229	\$1,091	\$972	\$868	\$776	\$694	
37	\$676	\$1,824	\$1,597	\$1,408	\$1,247	\$1,110	\$991	\$887	\$795	\$713	
38	\$658	\$1,842	\$1,615	\$1,425	\$1,265	\$1,128	\$1,009	\$905	\$813	\$731	
39	\$641	\$1,859	\$1,632	\$1,442	\$1,282	\$1,145	\$1,026	\$921	\$830	\$748	
40	\$625	\$1,875	\$1,648	\$1,458	\$1,298	\$1,161	\$1,042	\$938	\$846	\$764	
41	\$610	\$1,890	\$1,663	\$1,474	\$1,313	\$1,176	\$1,057	\$953	\$861	\$779	
42	\$595	\$1,905	\$1,677	\$1,488	\$1,328	\$1,190	\$1,071	\$967	\$875	\$794	
43	\$581	\$1,919	\$1,691	\$1,502	\$1,342	\$1,204	\$1,085	\$981	\$889	\$807	
44	\$568	\$1,932	\$1,705	\$1,515	\$1,355	\$1,218	\$1,098	\$994	\$902	\$821	
45	\$556	\$1,944	\$1,717	\$1,528	\$1,368	\$1,230	\$1,111	\$1,007	\$915	\$833	
46	\$543	\$1,957	\$1,729	\$1,540	\$1,380	\$1,242	\$1,123	\$1,019	\$927	\$845	
47	\$532	\$1,968	\$1,741	\$1,551	\$1,391	\$1,254	\$1,135	\$1,031	\$939	\$857	
48	\$521	\$1,979	\$1,752	\$1,563	\$1,402	\$1,265	\$1,146	\$1,042	\$950	\$868	
49	\$510	\$1,990	\$1,763	\$1,573	\$1,413	\$1,276	\$1,156	\$1,052	\$960	\$879	
50	\$500	\$2,000	\$1,773	\$1,583	\$1,423	\$1,286	\$1,167	\$1,063	\$971	\$889	