



# Continental Motors

## Lycorning® IO-360-L2A vs. Cessna 172 R/S CD-155

Total Ownership costs including initial retrofit kit install

### Savings with Continental Motors CD-100 series

	DOC	***TOC
Lycorning® over 6300 hrs in USD	340,665	435,654
Continental Motors over 6300 hrs in USD	234,967	424,262
Savings with Cessna 172 R/S CD-155	105,699	11,393
Continental Motors % Savings	31%	3%

### Lycorning® IO-360L2A Direct Operating Cost (DOC)

	Air. per hr.	Labor hrs.	Total	Total Per hr.
Labor	48.00	328	13,000	5.53
Maint/Material/Fuels			14,224	7.11
Fuel			85,420	42.21
*Engine DOC			111,684	56.85

### Lycorning® IO-360L2A Total Ownership Cost (TOC)

Lycorning® IO-360L2A	Replacm. Eng. labor hrs.	Replacement Eng.	List Price
	12	1	28,000
	12	1	28,000
	12	1	28,000
	1	0.06	1,500
	37	3.06	85,600

Labor per hr.	(Replace Eng. Labor hrs.) X (Labor per hr.)	Scheduled Labor hrs.	Total
Labor aver hr.	48.00	1464	39903
Maint/Material/Fuels			43,362
Fuel			257,481

### Lycorning® IO-360-L2A

Lycorning® over 6300 hrs in USD		Lycorning® over 6300 hrs per hour in USD	
DOC	***TOC	DOC	***TOC
340,665	435,654	54.87	69.15

### Cessna 172 CD-155 Direct Operating Cost (DOC)

	Air. per hr.	Labor hrs.	Total	Total Per hr.
Labor	48.00	179	7100	3.41
Maint/Material/Fuels			20811	9.99
Fuel			50152	23.00
*Engine DOC			78322	37.38

### Continental Motors CD-155 Total Ownership Cost (TOC)

Cessna 172 R/S CD-155	Replacm. Eng. labor hrs.	Replacement Eng.	List Price
	180	1	77,880
	12	1	47,616
	12	1	47,616
Total	204	3	173,114

Labor per hr.	(Replace Eng. Labor hrs.) X (Labor per hr.)	Scheduled Labor hrs.	Total
Labor aver hr.	48.00	8100	21480
Maint/Material/Fuels			82,942
Fuel			150,545

### Continental Motors CD-155

Continental Motors over 6300 hrs in USD		Continental Motors over 6300 hrs per hour in USD	
DOC	***TOC	DOC	***TOC
234,967	424,262	37.38	67.34

105,699	11,393	16.78	1.91	Savings with Continental Motors
31%	3%	31%	3%	Savings with Continental Motors

Cessna 172 R/S CD-155										6300					
Quantity	Unit Cost	Item Total	hrs.	Labor cost	Labor Total	Total	Operations hrs. per yr.	DOC	Month to change	Months to 10K	Ownership	Credits 10K	Cost/hr. for 6300 hrs.	Total cost	
Every 12 Months															
Replace Excitation brushes for the Altern	1	57.38	57.38	1	40.00	40.00	97.38	500	0.19	12.00	151.20	13.00	0.80	0.20	1,266.00
Every 60 Months (5 years)															
Replace all fuel, oil and cooling lines	1	2096.62	2096.62	4	40.00	160.00	2256.62	500	4.51	80.00	151.20	3.00	3.22	1.07	6,799.85
Every 72 Months (6 years or 3000 hrs.)															
Replace static condition of extension	1	4.63	4.63	1	40.00	40.00	44.63	500	0.09	72.00	151.20	2.00	0.04	0.01	86.26
														Total	8,125

\*Direct Operating Costs - No install costs