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# Adjustable Motorcycle Shock Absorbers

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ADJUSTABLE MOTORCYCLE SHOCK  
ABSORBERS

To: C. Jack Quinn

From: Gregory L. Gross

MET 497  
Senior Project  
April 28, 1978

ABSTRACT

Adjustable motorcycle shock absorbers are designed to give cyclists a larger degree of adjustment in damping control and rider comfort while increasing the life of the shock. Adjustable orifices allow damping (shock) control in both the compression and tension stroke. Exterior shock adjustments allow variations in shock length, spring tension, and spring size. Other features built into this shock include removable end caps and O-rings for accessibility and long life. The prototype was built for \$170 and tested on an oscillating hydraulic cylinder at Dana Corporation.

## TABLE OF CONTENTS

Introduction . . . . .	Page 1
Objective . . . . .	Page 4
Technical Plan Design Solution . . . . .	Page 5
Cost . . . . .	Page 9
Fabrication . . . . .	Page 10
Test . . . . .	Page 10
Summary . . . . .	Page 11
Bibliography . . . . .	Page 12
Appendix A Calculations . . . . .	Page 13
Appendix B Drawings . . . . .	Page 14
Appendix C Computer Run . . . . .	Page 15
Appendix D Test Results . . . . .	Page 17