

# CONTENTS

<i>Preface to the Fourth Edition</i>	v
<i>About the Author and Editors</i>	vii
<i>Acknowledgements</i>	ix
<b>1</b> Development of Aircraft Powerplants	1
<b>Reciprocating Engines</b>	
<b>2</b> Theory & Construction	17
<b>3</b> Lubrication Systems	93
<b>4</b> Fuel Metering & Induction Systems	125
<b>5</b> Ignition Systems	205
<b>6</b> Exhaust Systems	255
<b>7</b> Cooling Systems	269
<b>8</b> Starting Systems	279
<b>9</b> Operation & Maintenance	291
<b>Turbine Engines</b>	
<b>10</b> Theory & Construction	355
<b>11</b> Lubrication & Cooling Systems	435
<b>12</b> Fuel Metering Systems	465
<b>13</b> Ignition & Starting Systems	493
<b>14</b> Exhaust Systems	515
<b>15</b> Operation & Maintenance	527
<b>Powerplant Auxiliary Systems</b>	
<b>16</b> Instrument Systems	555
<b>17</b> Electrical Systems	593
<b>18</b> Fire Protection Systems	641
<b>19</b> Propellers	663
<i>Glossary</i>	739
<i>Index</i>	775