

(M16)活塞式發動機：

題號	答案	題目
1(0023979)	D	<p>Which of the following will decrease volumetric efficiency of a reciprocating engine (A) High fuel octane rating (B) Short intake pipes of large diameter (C) Low carburetor air temperature (D) High cylinder-head temperature</p> <p>下列何者會減少往復式發動機之容積效率？(A)較高之燃油辛烷值(B)短且大直徑之進氣管(C)低化油器進氣溫度(D)高發動機汽缸頭溫度</p>
2(0023981)	B	<p>The horsepower developed in the cylinders of a reciprocating engine is known as (A) shaft horsepower (B) indicated horsepower (C) brake horsepower (D) thrust horsepower</p> <p>由往復式發動機汽缸內所產生之馬力：(A)軸馬力(B)指示馬力(C)制動馬力(D)推力馬力</p>
3(0024052)	D	<p>Which of the following is the type of thrust bearing used in most radial engines (A) Tapered roller (B) Double-row ball (C) Double-row straight roller (D) Deep-groove ball</p> <p>星型發動機最常使用之推力軸承型式為(A)錐狀滾柱軸承(B)雙排滾珠(C)雙排直列滾柱軸承(D)深槽滾珠軸承</p>
4(0024008)	B	<p>Which of the following would be a factor in the failure of a reciprocating engine to develop full power at takeoff? (A) Failure to install the carburetor scoop air screen (B) Improper adjustment of carburetor heat valve control linkage (C) Excessively rich setting on the idle mixture adjustment (D) Failure of the economizer valve to remain closed at takeoff throttle setting</p> <p>下列何者會是往復式發動機於起飛無法全馬力之原因？(A)化油器空氣集器濾網未裝妥。(B)化油器加熱瓣控制連桿調整不正確。(C)化油器惰速混合比調整為過度富油之設定。(D)在飛機起飛時之油門設定狀態下，化油器節油瓣故障卻依然維持在關閉位置。</p>
5(0024024)	B	<p>The fuel flow indication system used on most aircraft with fuel-injected opposed engines utilizes a measure of (A) fuel flow volume. (B) fuel pressure drop. (C) fuel flow mass. (D) fuel-air charge density.</p> <p>採用水平對臥燃油噴射之往復式發動機飛機，其燃油流量指示系統最常使用下列何種方法測量流量？(A)燃油流量的體積。(B)燃油的壓降。(C)燃油流量之質量。(D)所噴出之燃油與空氣混合氣的密度。</p>