

4-1 Suspension system

懸吊系統

1

Description

概述

📖 字彙

- | | | |
|-------------------|-------------|-----|
| 1. suspension | <i>n.</i> | 懸吊 |
| [səˈspenʃən] | | |
| 2. tire | <i>n.</i> | 輪胎 |
| [taɪr] | | |
| 3. frame | <i>n.</i> | 車架 |
| [freɪm] | | |
| 4. unit | <i>n.</i> | 成一體 |
| [ˈjuːnɪt] | | |
| 5. shock | <i>n.</i> | 衝擊 |
| [ʃɒk] | | |
| 6. absorber | <i>n.</i> | 吸收器 |
| [əbˈsɔːbə] | | |
| 7. stabilizer | <i>n.</i> | 平衡桿 |
| [ˈsteɪbləɪzə] | | |
| 8. group | <i>v.</i> | 歸類 |
| [grʊp] | | |
| 9. rigid | <i>adj.</i> | 固定式 |
| [ˈrɪdʒɪd] | | |
| 10. independent | <i>adj.</i> | 獨立的 |
| [ˌɪndɪˈpendənt] | | |

The ^①suspension system works with the ^②tires, ^③frame or ^④unit body, wheels, wheel bearings, brake system, and steering system. It combines springs, ^⑤shock ^⑥absorbers and ^⑦stabilizers. Suspension systems may be generally ^⑧grouped into the ^⑨rigid axle suspension type and the ^⑩independent suspension type. Modern cars commonly use independent suspension type.

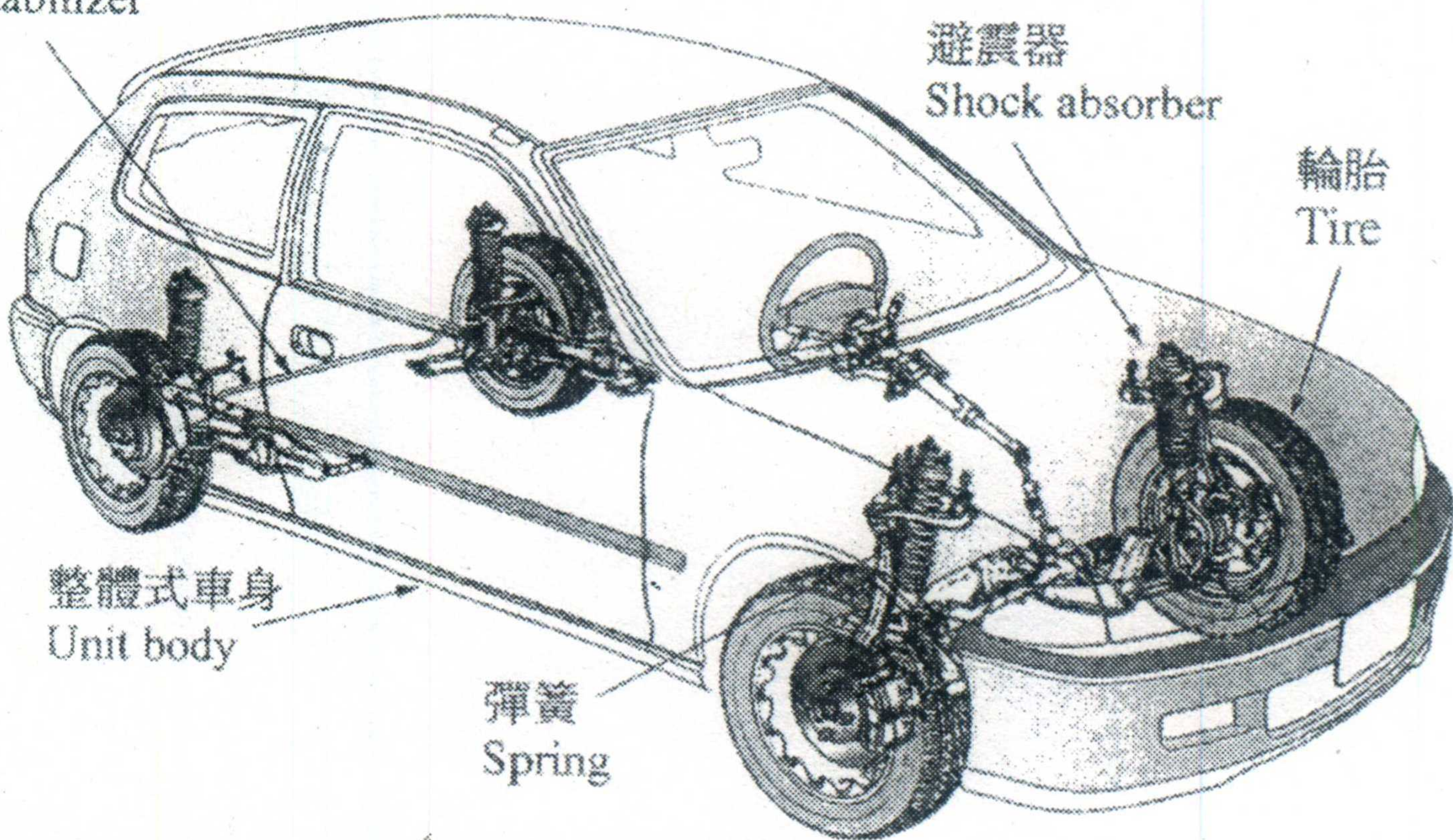
平衡桿
Stabilizer

避震器
Shock absorber

輪胎
Tire

整體式車身
Unit body

彈簧
Spring



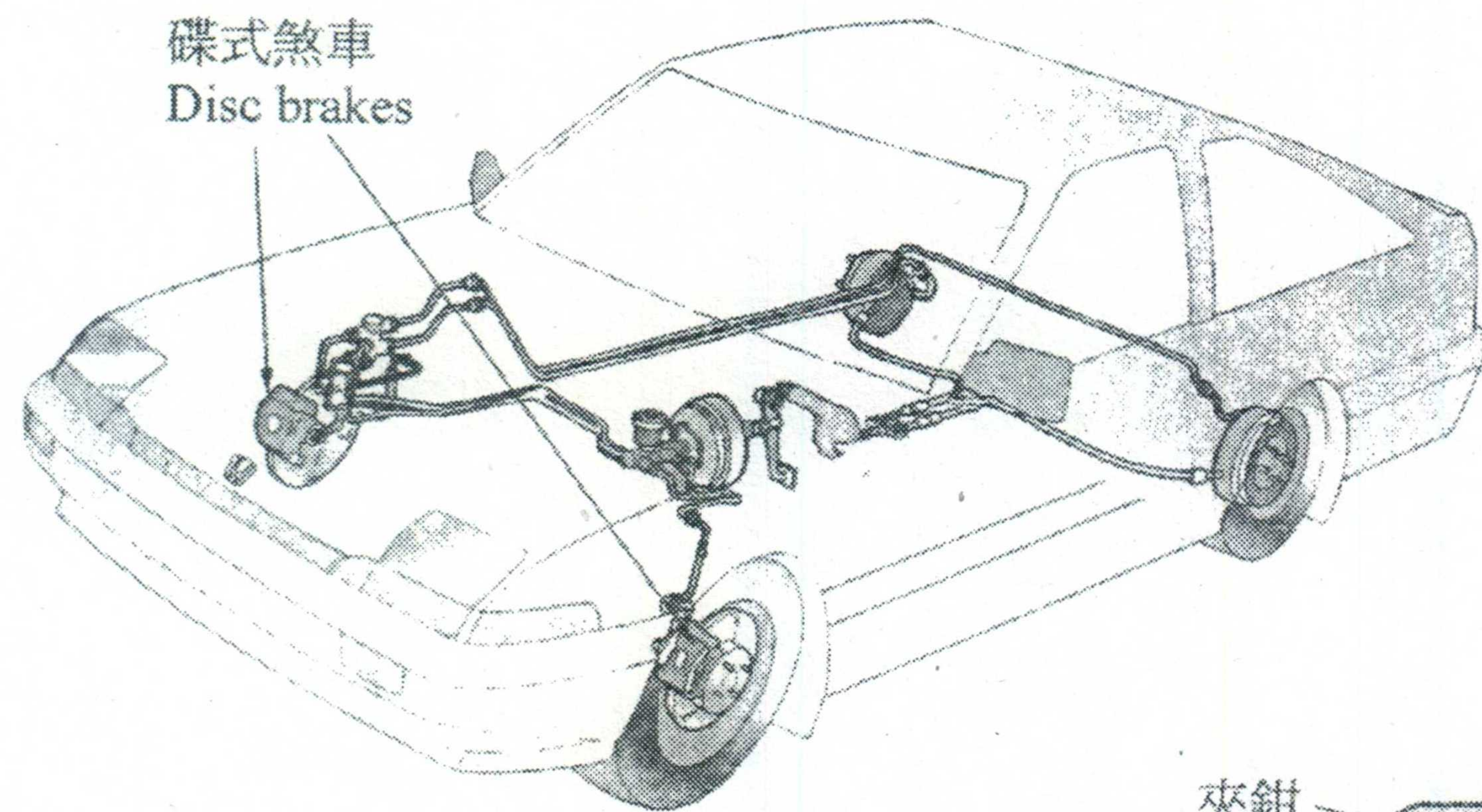
碟式煞車

字彙

Disc brakes are like the brakes on a bicycle. Two friction^① **linings** are squeezed inward to^② **clamp** against a rotating disc. A disc brake assembly consists of a^③ **caliper** brake^④ **pads** and rotor. Disc brakes can be^⑤ **classified** as floating, Sliding and^⑥ **fixed** caliper types. Floating and sliding calipers are common used in the modern cars.

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|--------------|-------------|-------|
| 1. lining | <i>n.</i> | 來令片 |
| [ˈlæmɪŋ] | | |
| 2. clamp | <i>v.</i> | 夾住 |
| [klæmp] | | |
| 3. caliper | <i>n.</i> | 夾鉗 |
| [ˈkælɪpə] | | |
| 4. pad | <i>n.</i> | 塊 |
| [pæd] | | |
| 5. classify | <i>v.</i> | 將..分類 |
| [ˈklæsəˌfaɪ] | | |
| 6. fixed | <i>adj.</i> | 固定的 |
| [fɪkst] | | |

碟式煞車
Disc brakes

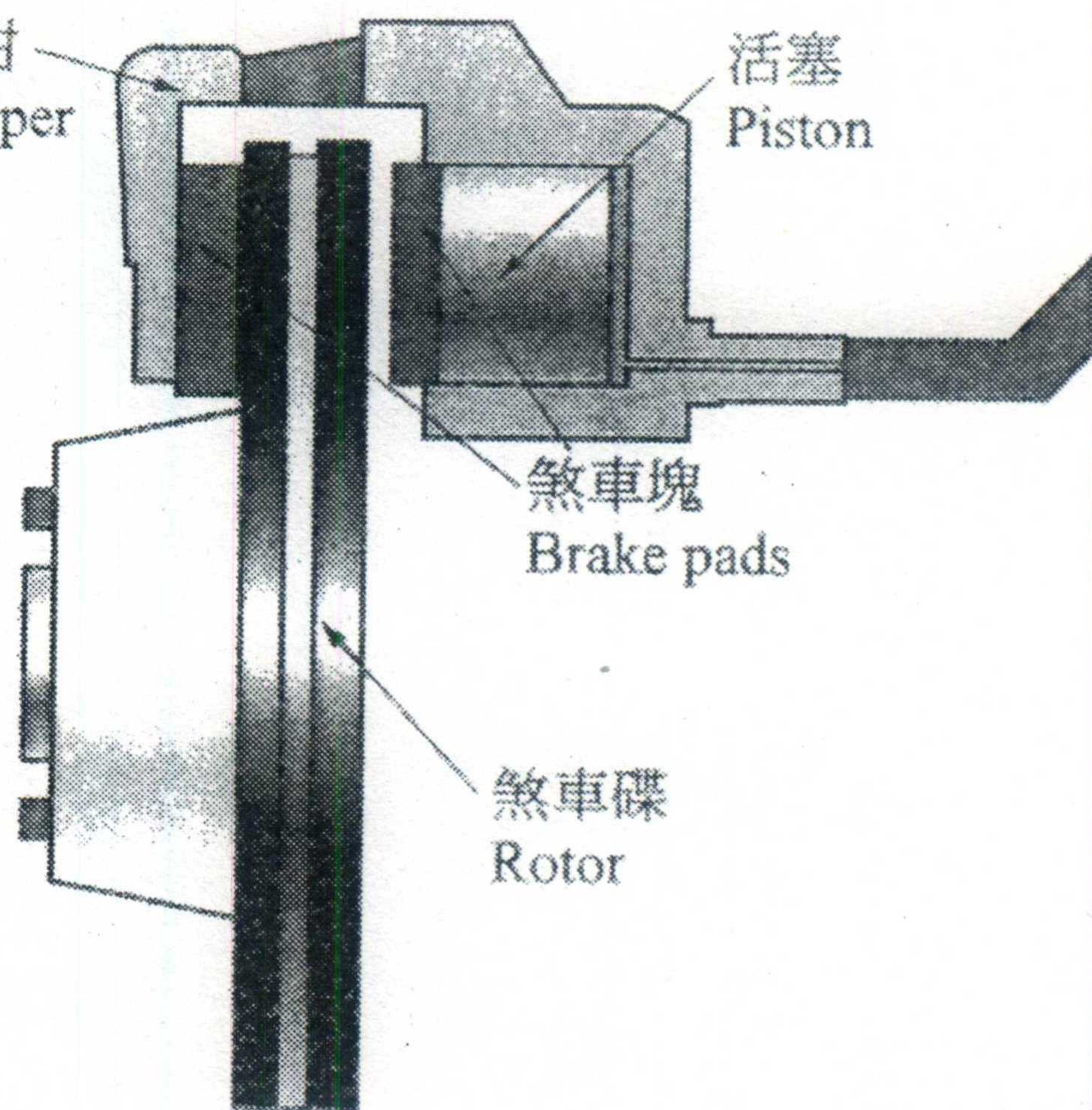


夾鉗
Caliper

活塞
Piston

煞車塊
Brake pads

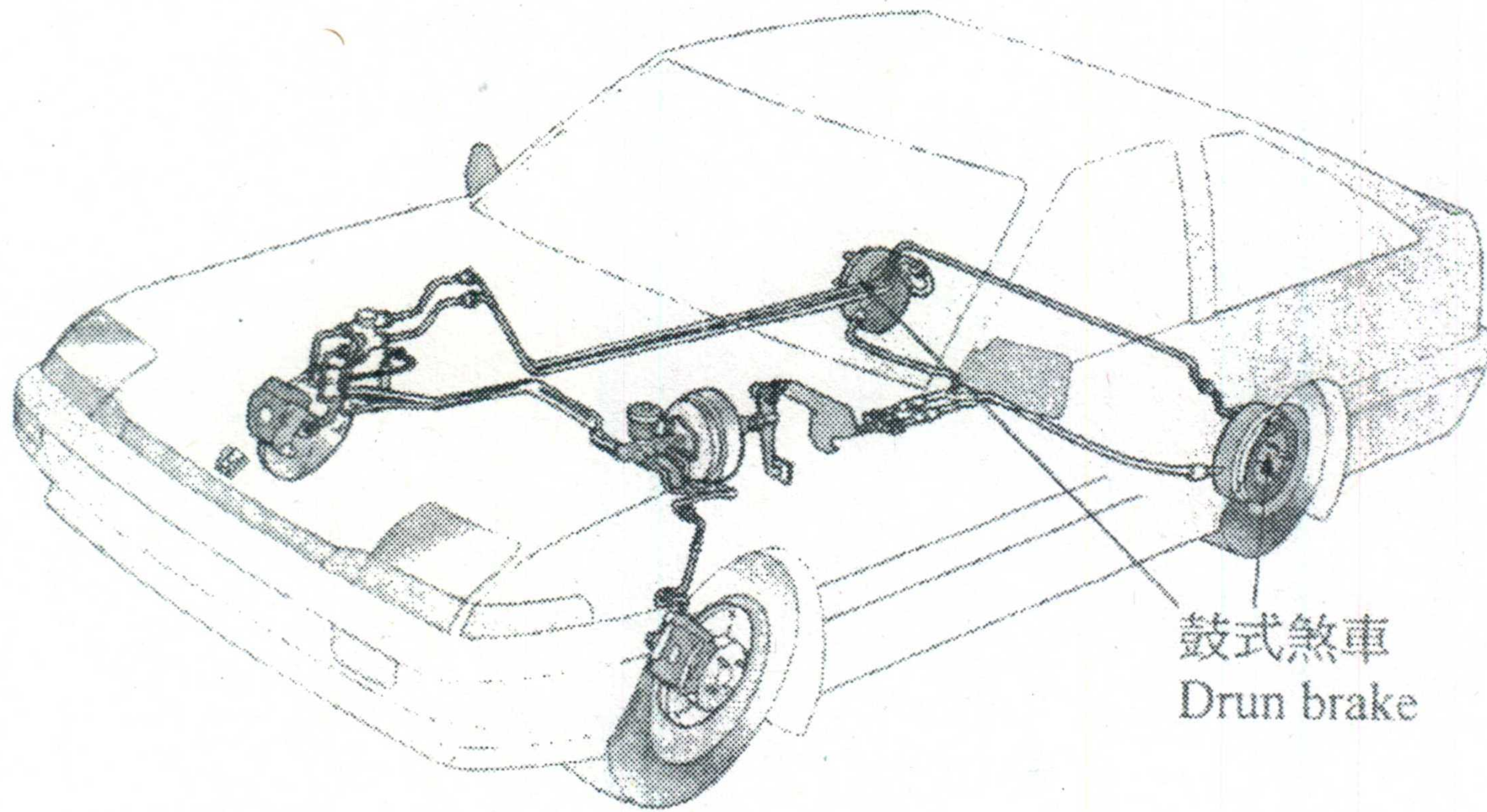
煞車碟
Rotor



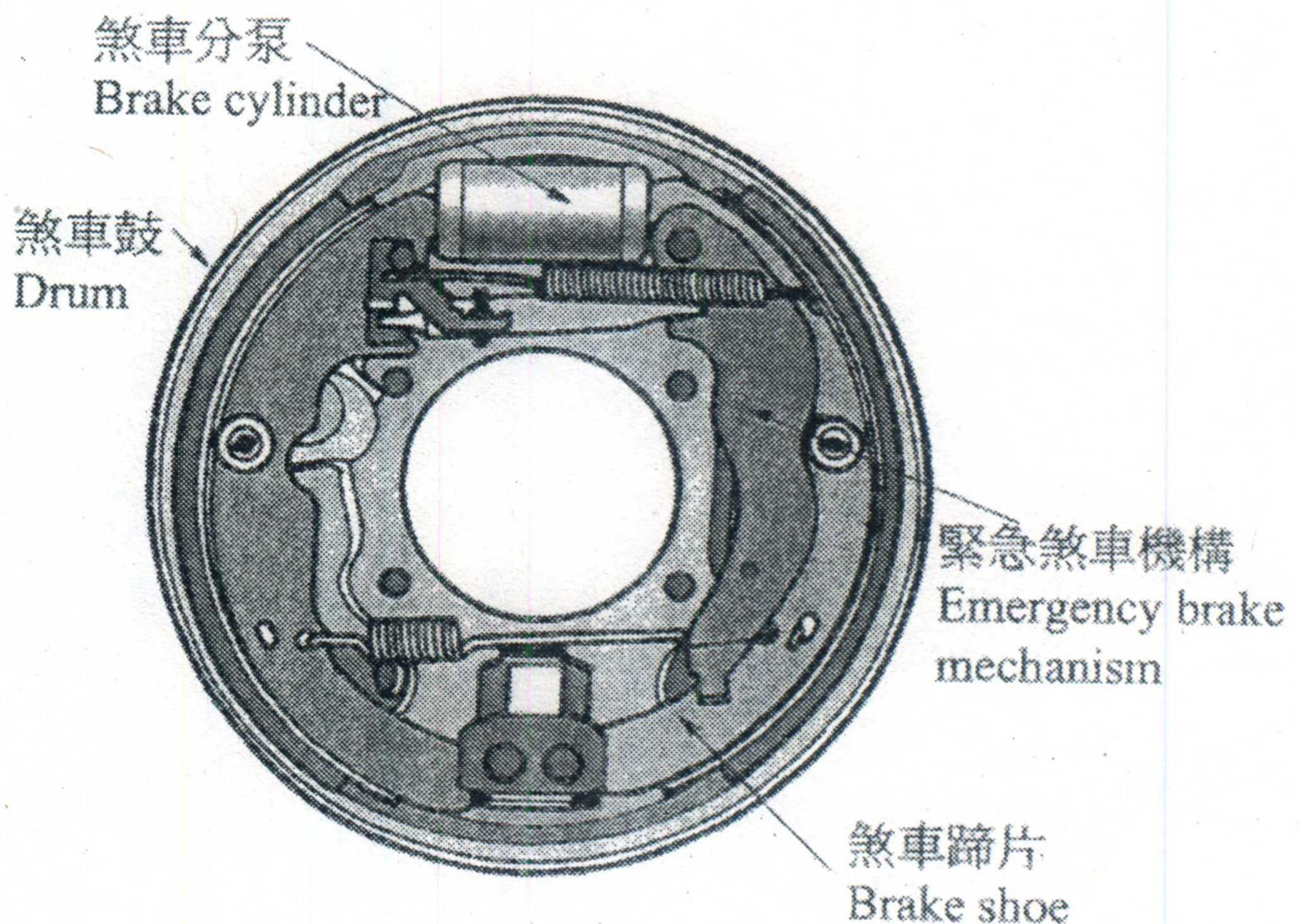
字彙

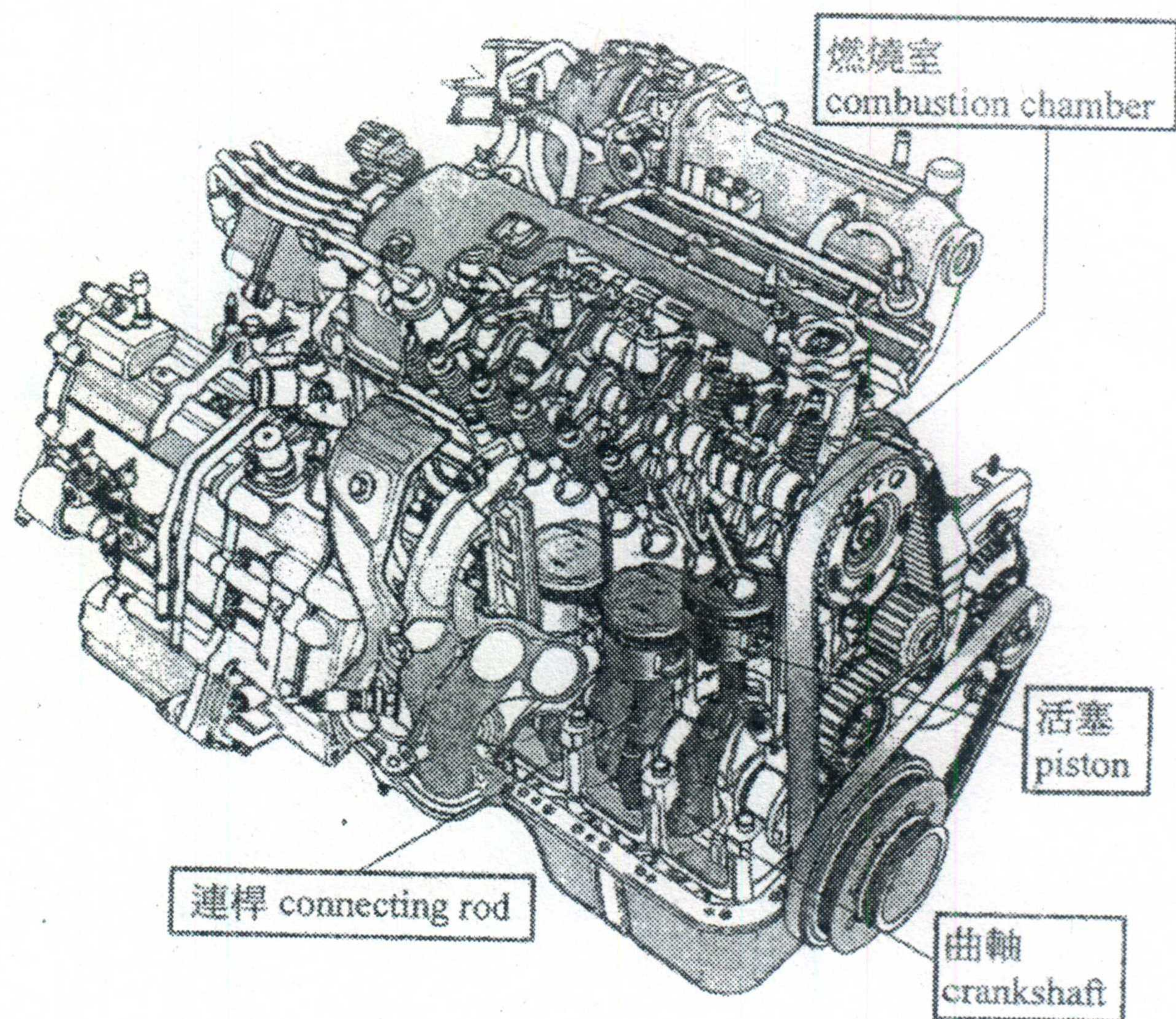
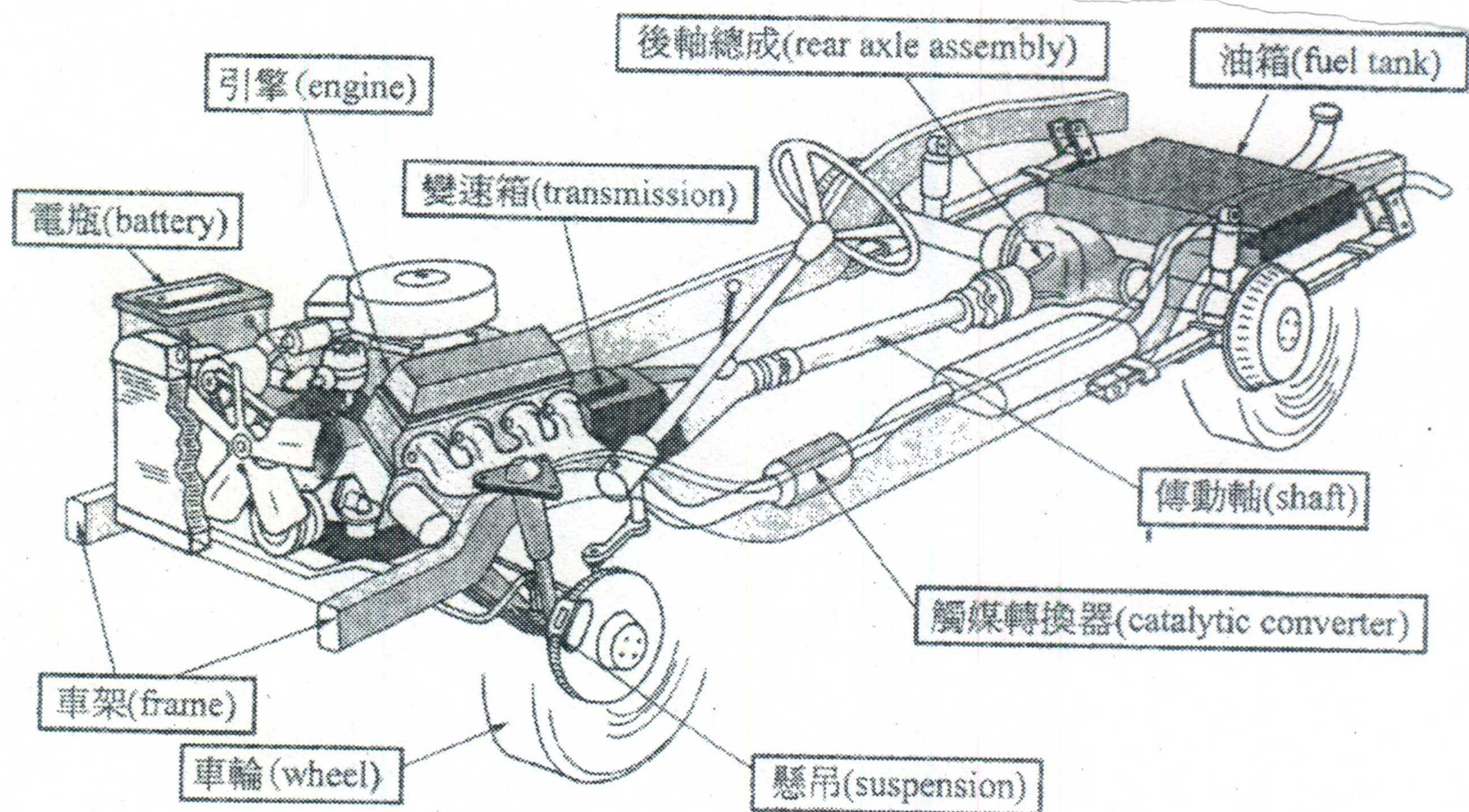
- | | | |
|------------|----|----|
| 1. drum | n. | 鼓 |
| [drʌm] | | |
| 2. rub | v. | 磨擦 |
| [rʌb] | | |
| 3. revolve | v. | 轉動 |
| [rɪˈvɒlv] | | |
| 4. retract | v. | 回拉 |
| [rɪˈtrækt] | | |

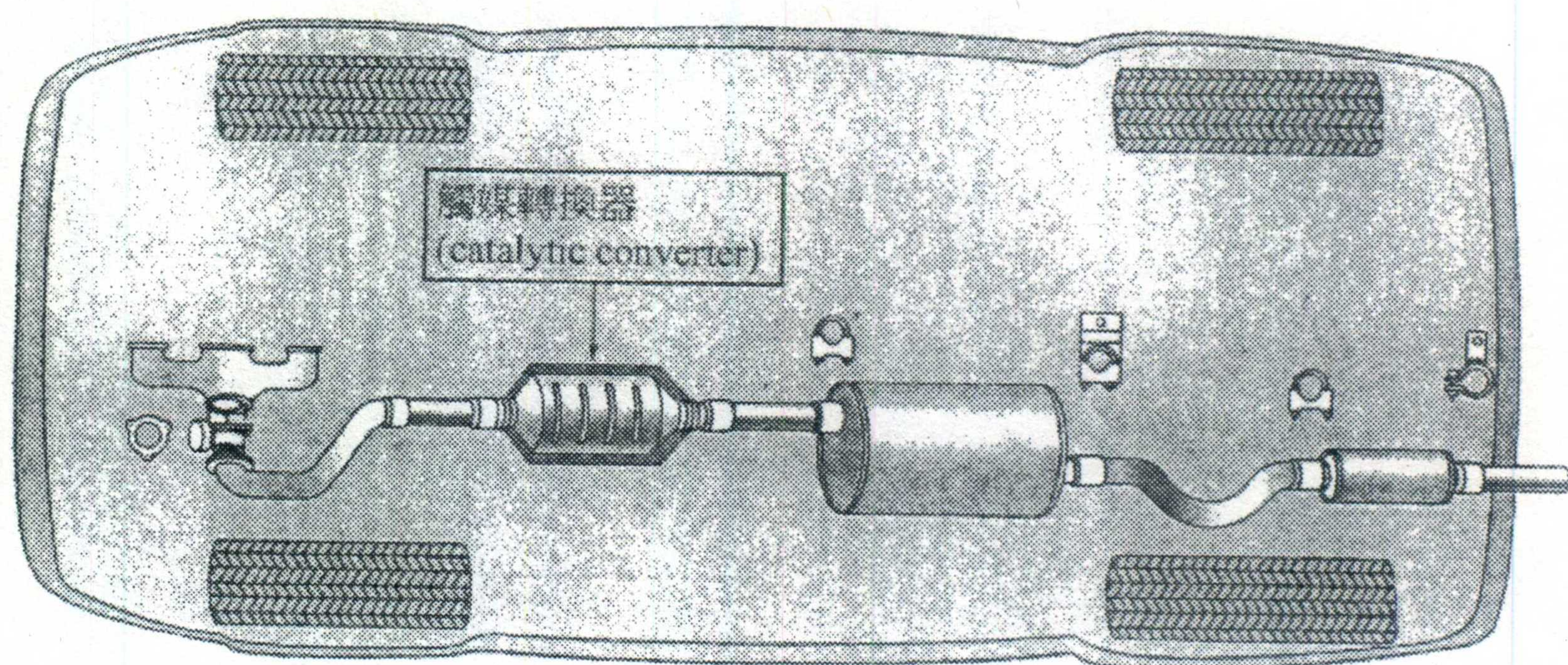
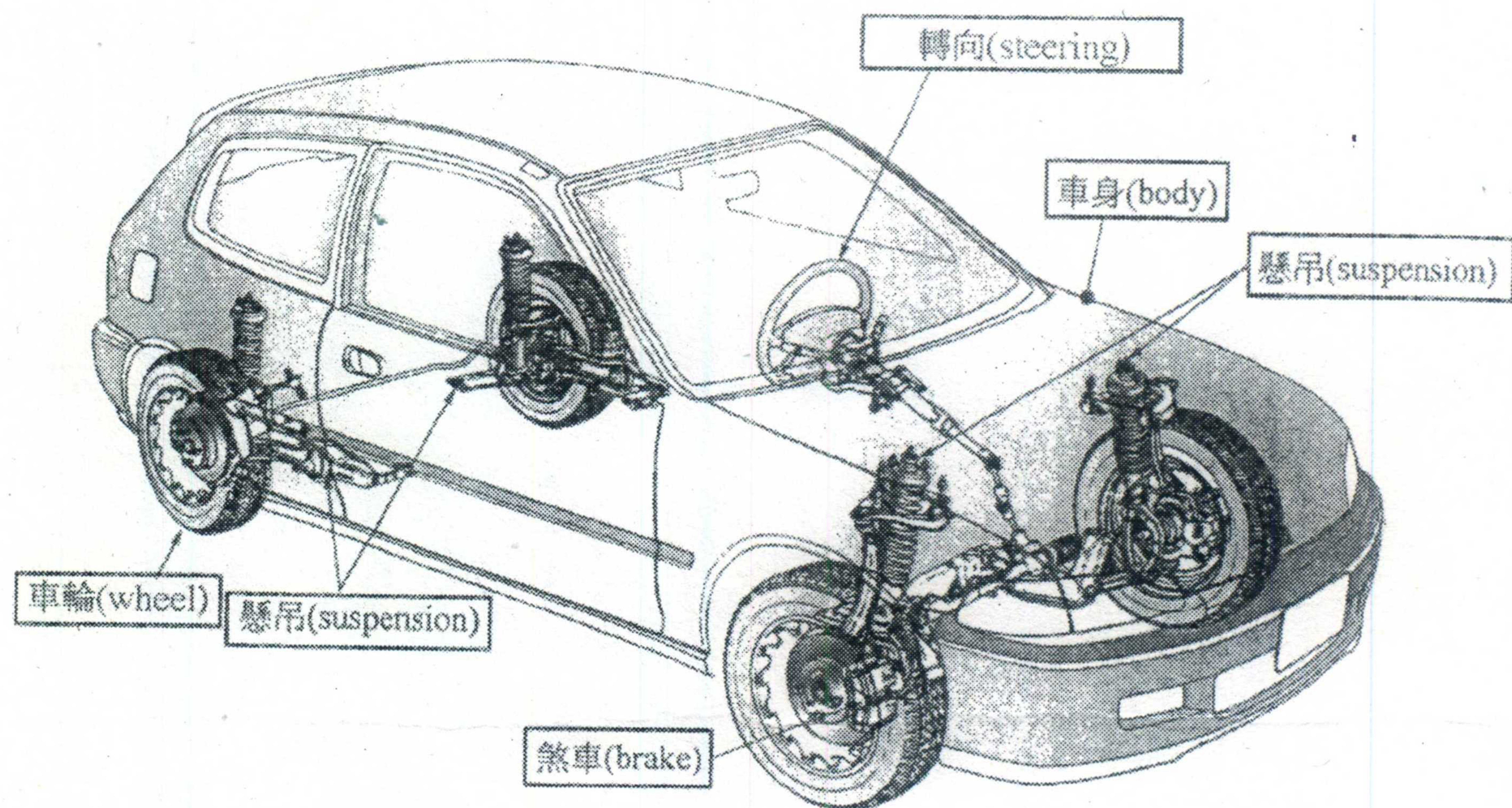
① **Drum** brakes have a large drum that surrounds the brake shoes and hydraulic wheel cylinder. When the brake shoes are forced against the rotating drum, they ② **rub** against the ③ **revolving** brake drum to produce braking action. When the brake pedal is released, the ④ **retracting** springs pull the brake shoes away from the brake drums.



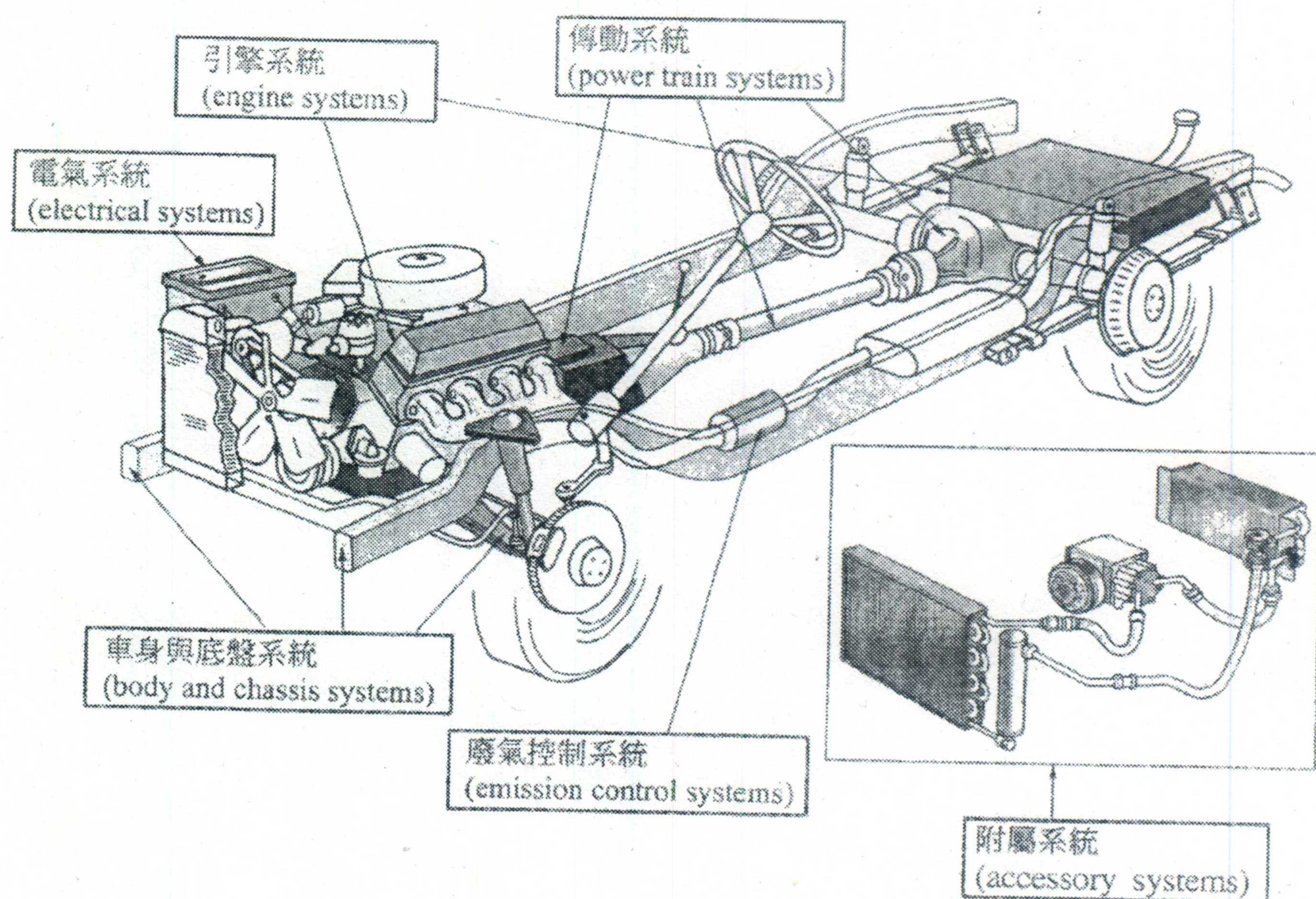
鼓式煞車
Drum brake







Expert (專家級)



汽車專業英語

序號	專業英語	中文翻譯
1	air cleaner	空氣濾清器
2	air conditioner	空調
3	airflow	進氣流量
4	aluminum	鋁
5	antifreeze	防凍劑
6	automobile	汽車
7	bearing	軸承
8	belt	皮帶
9	bolt	螺栓
10	brake	剎車
11	camshaft	凸輪軸
12	cast iron	鑄鐵
13	chain	鍊條
14	combustion	燃燒
15	compression	壓縮
16	connecting rod	連桿
17	coolant	冷卻液
18	cooling system	冷卻系統
19	core	芯子
20	crankshaft	曲軸
21	cylinder	汽缸
22	diesel	柴油
23	engine	引擎
24	engine block	引擎體
25	engine oil	機油
26	exhaust	廢氣
27	fan	風扇
28	fin	鰭片
29	firing order	點火順序
30	flywheel	飛輪
31	friction	摩擦
32	fuel	燃料
33	fuel filter	燃油濾清器
34	fuel pump	汽油泵
35	fuel tank	油箱
36	gasket	墊片
37	gasoline	汽油
38	gear	齒輪
39	hose	管子
40	ignition	點火
41	injector	噴油嘴
42	intake	進氣
43	knock	爆震

44	liquid	液體
45	lubrication	潤滑
46	manifold	歧管
47	oil pan	油底殼
48	oil seal	油封
49	piston	活塞
50	piston ring	活塞環
51	position	位置
52	radiator	水箱
53	radiator cap	水箱蓋
54	regulator	調節器
55	reservoir tank	副水箱
56	sensor	感知器
57	spark plug	火星塞
58	spring	彈簧
59	stroke	行程
60	temperature	溫度
61	thermostat	節溫器
62	throttle	節氣門
63	transmission	變速箱
64	truck	卡車
65	vacuum	真空
66	vacuum valve	真空閥
67	valve	汽門
68	viscosity	黏度
69	water jacket	水套
70	vhicle	車輛