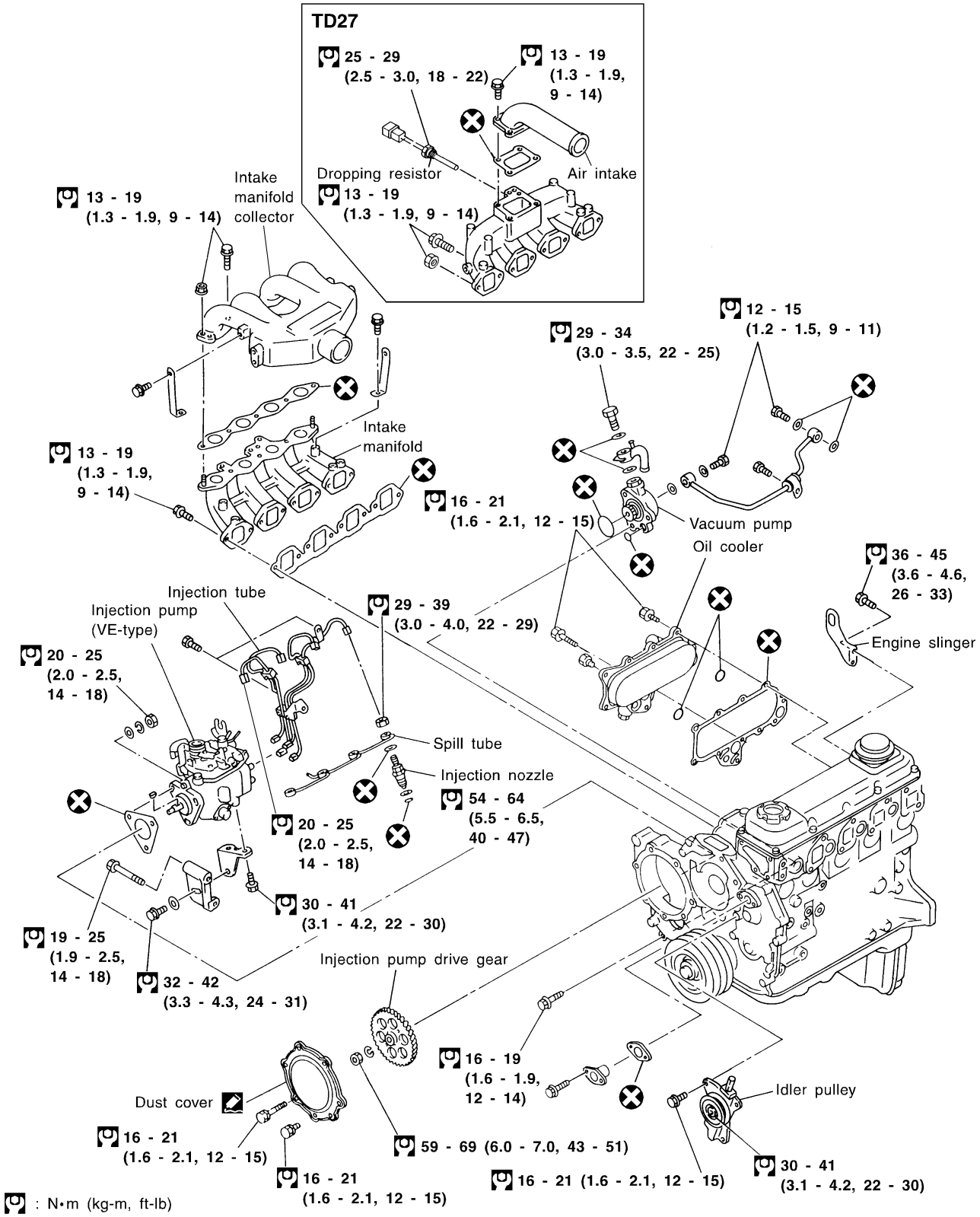
SEC. 135•140•185•186•213

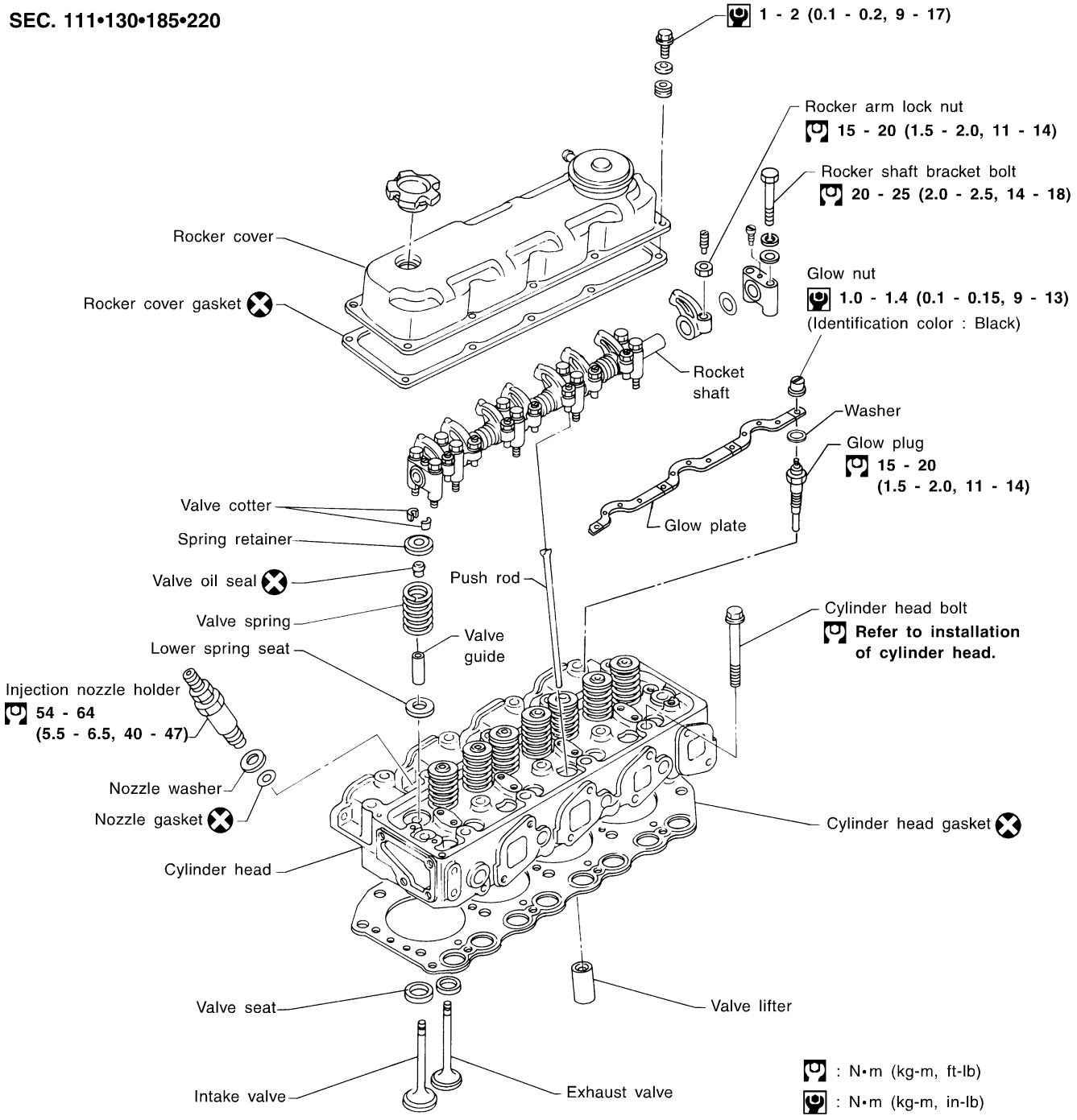


: N•m (kg-m, ft-lb)

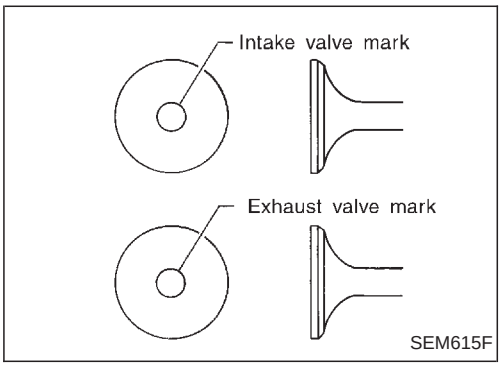
: Apply recommended sealant
(Nissan genuine part: KP610-00250) or equivalent.

DEM017-A

SEC. 111•130•185•220



DEM144



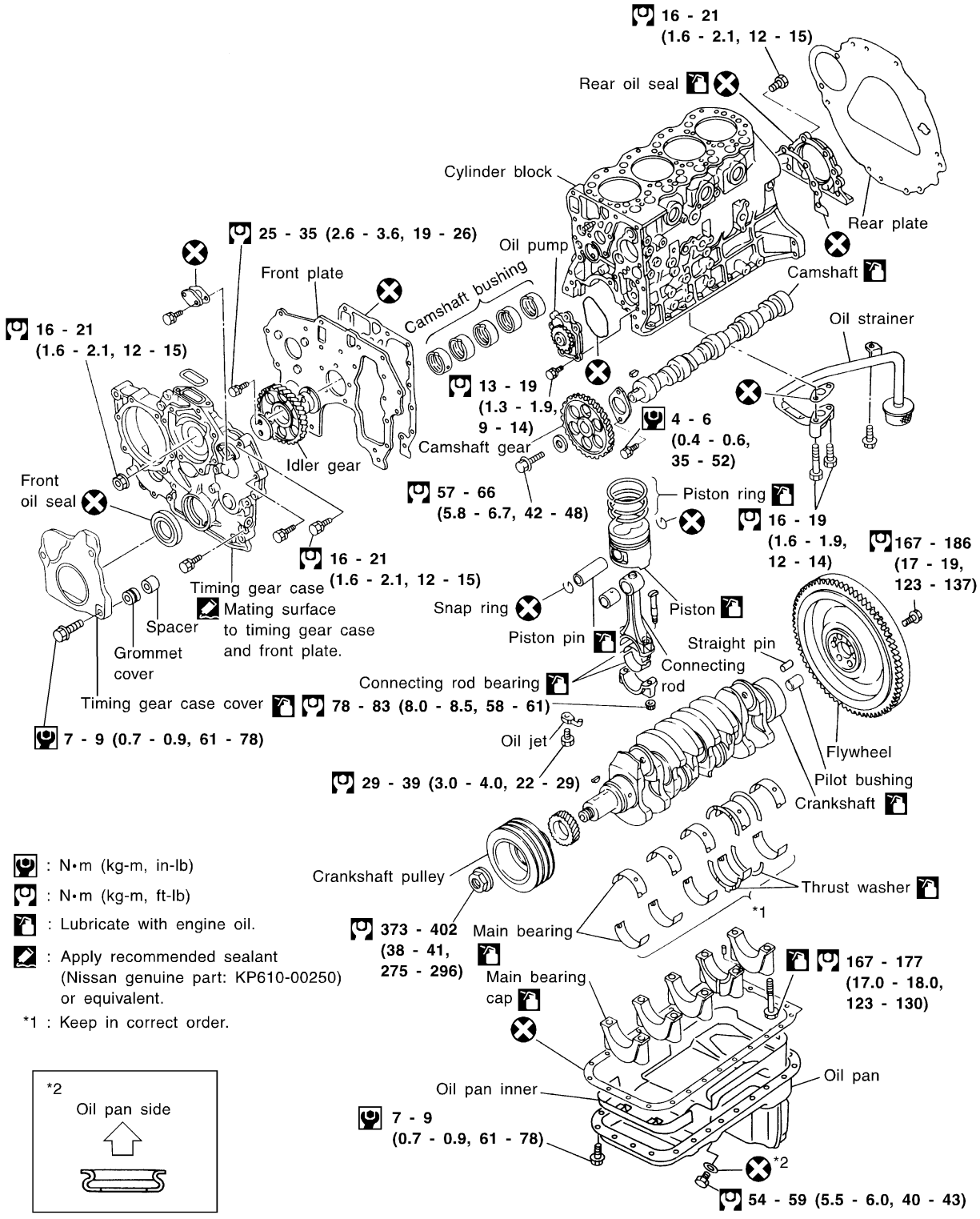
Assembly

Identification of valves

Identification mark (on intake and exhaust valve)		Engine
Intake valve	Exhaust valve	
4	J	QD32
3	D	TD27

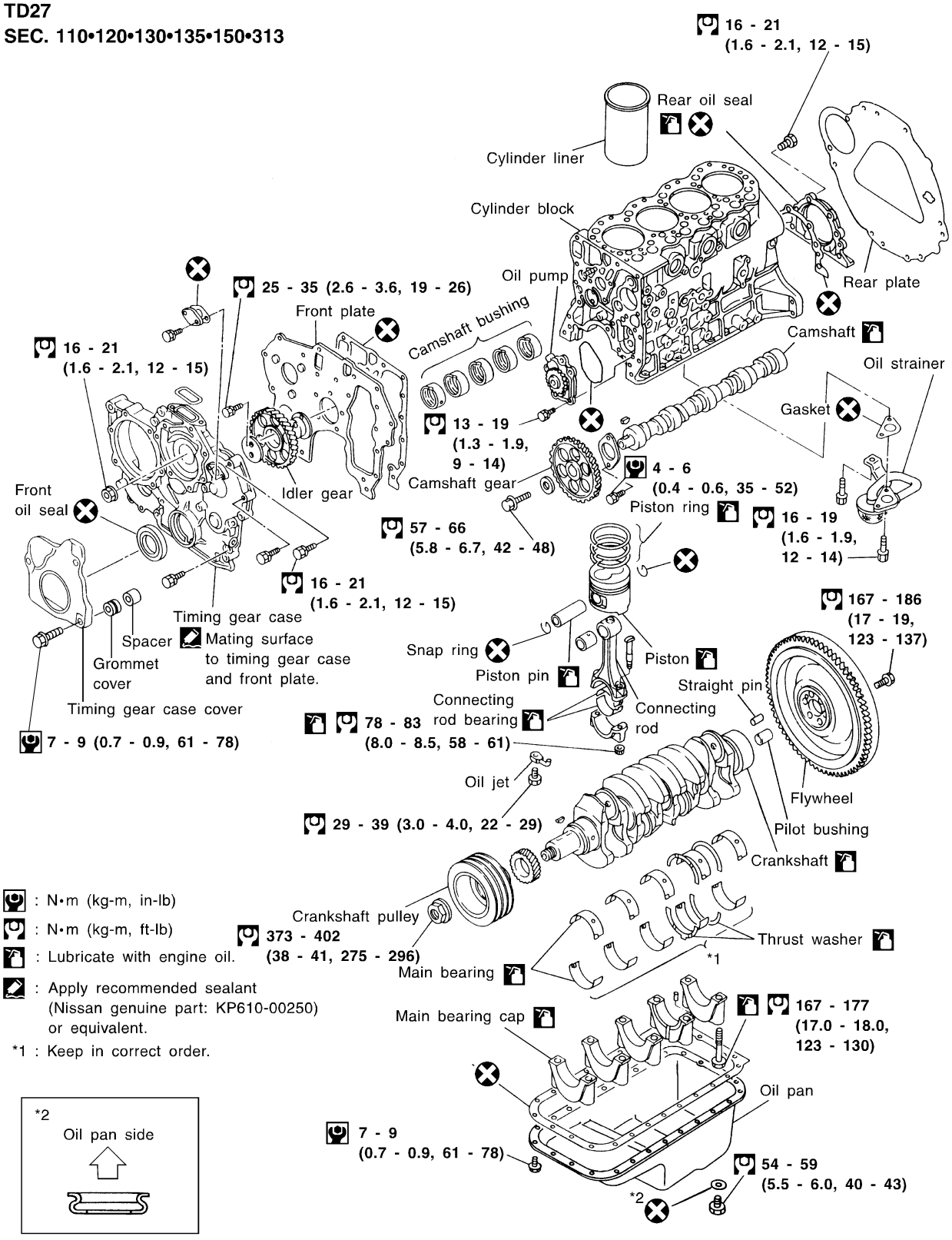
- **Always use new valve oil seal.**

QD32
SEC. 110•120•130•135•150•313



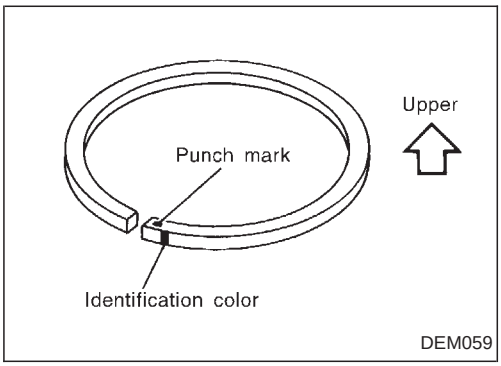
DEM041-A

TD27
SEC. 110•120•130•135•150•313



: N•m (kg-m, in-lb)
: N•m (kg-m, ft-lb)
: Lubricate with engine oil.
: Apply recommended sealant (Nissan genuine part: KP610-00250) or equivalent.
*1 : Keep in correct order.

DEM065-B



Assembly

PISTON

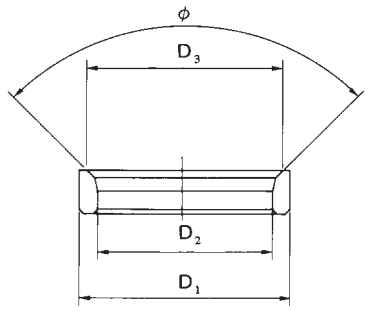
- **Piston ring identification**

		Identification color
Top ring	TD27	Yellow
	QD32	—
2nd ring		Red

Inspection and Adjustment

Valve seat

Unit: mm (in)



SEM953C

	TD27
Exhaust	
Outer diameter "D_1"	
Standard	39.535 - 39.545 (1.5565 - 1.5569)
0.2 (0.008) Oversize (Service)	39.735 - 39.745 (1.5644 - 1.5648)
0.4 (0.016) Oversize (Service)	39.935 - 39.945 (1.5722 - 1.5726)
Inner diameter "D_2"	32.9 - 33.1 (1.295 - 1.303)
Diameter of seat "D_3"	37.0 (1.457)
Cylinder head valve seat diameter	
Standard	39.495 - 39.510 (1.5549 - 1.5555)
0.2 (0.008) Oversize	39.695 - 39.710 (1.5628 - 1.5634)
0.4 (0.016) Oversize	39.895 - 39.910 (1.5707 - 1.5713)
Valve seat face angle "ϕ"	89° - 90°

AVAILABLE MAIN BEARING

Bearing clearance

Unit: mm (in)

Main bearing clearance	
Standard	0.035 - 0.083 (0.0014 - 0.0033)
Limit	0.15 (0.0059)
Connecting rod bearing clearance	
Standard	0.035 - 0.077 (0.0014 - 0.0030)
Limit	0.15 (0.0059)