

# **Component Procedures: Camshaft**

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# Component Procedures: Camshaft

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Camshaft	53020497	14 - Camshaft	209.00	

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Camshaft, R&R	B	4.9	3.4
Replace	Camshaft, R&R > NOTE > With AC, Add	B	0.9	0.8
Replace	Camshaft, R&R > NOTE > With PS, Add	B	0.5	0.4

## Removal and Installation (Article 2048905)

### Non Standards

- Camshaft (2048915)
- Camshaft Pin (2048916)

## Mechanical (including Torque) (itype\_28)

Camshaft Hydraulic Tappet Clearance Zero Lash  
Bearing Clearance 0.001 to 0.003 in  
Bearing Journal Diameter No.1 2.029 to 2.030 in  
No.2 2.019 to 2.020 in  
No.3 2.009 to 2.010 in  
No.4 1.999 to 2.000 in  
Base Circle Runout 0.001 - max. in  
Camshaft Lobe Lift Exhaust 0.259 in  
Intake 0.255 in  
Valve Lift Exhaust 0.4145 in  
Intake 0.4075 in  
Intake Valve Timing Opens 15.4 deg BTDC  
Closes 58 deg ABDC  
Exhaust Valve Timing Opens 52.8 deg BBDC  
Closes 26.2 deg ATDC  
Valve Overlap 41.6 deg  
Intake Duration 253.3 deg  
Exhaust Duration 259 deg