

Component Procedures: Timing Chain

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Component Procedures: Timing Chain

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Timing Chain > Primary	12633451	18 - Timing Chain	45.13	
Timing Chain > Secondary	12633452	18 - Timing Chain	52.52	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Prima?	B	8.0	0.0
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Prima?		0.2	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Prima?		0.1	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Prima?		0.1	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?	B	8.6	0.0
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?		0.2	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?		0.1	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?		0.1	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?	B	7.6	0.0
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?		0.2	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?		0.1	
Remove & Replace	Camshaft & Timing > Timing Chain, R&R > Secon?		0.1	

Secondary Camshaft Intermediate Drive Chain Replacement - Left Side (Article 12198)

Removal Procedure

- Remove the engine front cover . Refer to Engine Front Cover Replacement .
- Remove the camshaft timing chain components. Refer to Camshaft Timing Chain Components Removal .
- Clean and inspect all of the camshaft timing drive components. Refer to Camshaft Timing Drive Components Cleaning and Inspection . Replace components as necessary.

Installation Procedure

- Install the camshaft timing chain components. Refer to Camshaft Timing Chain Components Installation .
- Install the engine front cover. Refer to Engine Front Cover Replacement .

Secondary Camshaft Intermediate Drive Chain Replacement - Right Side (Article 12199)

Removal Procedure

- Remove the engine front cover . Refer to Engine Front Cover Replacement .
- Remove the camshaft timing chain components. Refer to Camshaft Timing Chain Components Removal .
- Clean and inspect all of the camshaft timing drive components. Refer to Camshaft Timing Drive Components Cleaning and Inspection . Replace components as necessary.

Installation Procedure

- Install the camshaft timing chain components. Refer to Camshaft Timing Chain Components Installation .
- Install the engine front cover. Refer to Engine Front Cover Replacement .

Primary Camshaft Drive Chain and Sprockets Replacement (Article 12194)

Removal Procedure

- Remove the engine front cover . Refer to Engine Front Cover Replacement .
- Remove the right side secondary camshaft drive chain components. Refer to Camshaft Timing Chain Components Removal .
- Remove the primary camshaft drive chain components. Refer to Camshaft Timing Chain Components Removal .
- Clean and inspect all of the camshaft timing drive components. Refer to Camshaft Timing Drive Components Cleaning and Inspection .

Installation Procedure

- Install the primary camshaft drive chain components. Refer to Camshaft Timing Chain Components Installation .
- Install the right side secondary camshaft drive chain components. Refer to Camshaft Timing Chain Components Installation .
- Install the engine front cover. Refer to Engine Front Cover Replacement .