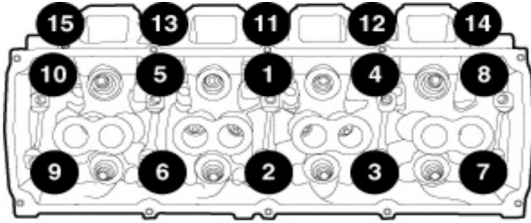
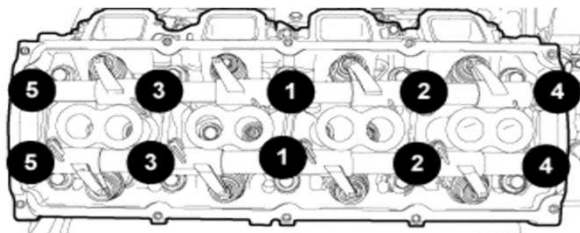
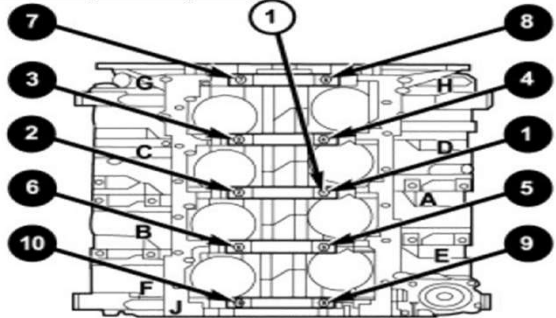




HEMI TORQUE SPECIFICATIONS

GEN III 2009+ HEMI APPLICATIONS

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Rev.1	FASTENER DESCRIPTION	TORQUE	UNITS	NOTES	
CYLINDER HEAD	Camshaft Phaser Bolt	72	Ft.-lbs.		
	Camshaft Thrust Plate Bolts	106	INCH.-lbs.		
	Cylinder Head Bolts			NOTE: Cylinder head gaskets are not interchangeable between the left and right sides.	
		1. Torque M12 head bolts 1-10 to	(25 Ft. Lbs.)		
		2. Torque M8 head bolts 11-15 to	(15 Ft. Lbs.)		
		3. Torque M12 head bolts 1-10 to	(40 Ft. Lbs.)		
		4. Torque M8 head bolts 11-15 to	(15 Ft. Lbs.)		
		5. Rotate M12 head bolts 1-10	+90° Turn		
		4. Torque M8 head bolts 11-15 to	(25 Ft. Lbs.)		
	Valve Cover Bolts	70	INCH.-lbs.		
Exhaust Manifold to Cylinder Head	18	Ft.-lbs.			
Exhaust Manifold Heat Shield Nuts	7	Ft.-lbs.			
Intake Manifold Bolts				NOTE: Tighten from center of manifold of out.	
	9	Ft.-lbs.			
Rocker Arm Bolts				NOTE: The rocker shaft assemblies are not interchangeable between the Intake and the Exhaust. Intake Rockers are marked with the letter "I" Shorter pushrods are used on the Intake side.	
				NOTE: Verify the pushrod are centered properly in the lifters. Snug bolts in sequence in small steps.	
		1. Snug in sequence Rocker Bolts to	(6 Ft. Lbs.)		
	2. Torque in sequence Rocker Bolts to	(17 Ft. Lbs.)			
ENGINE BLOCK	Connecting Rod Cap Bolts			NOTE: Use New Connecting Rod Bolts (6506335AA)	
		(15 Ft. Lbs.) + 90° Turn			
	Harmonic Balancer Bolt	136	Ft.-lbs.		
	Lifter Guide Holder	9	Ft.-lbs.		
	Main Cap Bolts (M12)				NOTE: Clean and oil all cap bolts. Ensure the arrows faces forward on main caps. Follow Sequence in shown diagram.
			1. Tighten main bearing cap bolts to	(10 Ft. Lbs.)	
			2. Tighten main bearing cap bolts to	(20 Ft. Lbs.)	
3A. *ONLY 5.7L* - Rotate an additional 90°					
3B. *ONLY 6.2L/6.4L* - Rotate an additional 120°					
				NOTE: Torque the main cap bolts before the cross bolts. Start with cross bolt A.	
Main Cap Cross Bolts (M8)	23	Ft.-lbs.			

ENGINE BLOCK	Multiple Displacement Solenoid (MDS)	8	<i>Ft.-lbs.</i>
	Oil Level Indicator Tube Bolt	9	<i>Ft.-lbs.</i>
	Oil Level Indicator Tube Nut	7	<i>Ft.-lbs.</i>
	Oil Pan Bolts/Studs	9	<i>Ft.-lbs.</i>
	Oil Pan Drain Plug	25	<i>Ft.-lbs.</i>
	Oil Pump Bolts	21	<i>Ft.-lbs.</i>
	Oil Pump Pickup Tube Bolt	16	<i>Ft.-lbs.</i>
	Oil Pump Pickup Tube Nut	21	<i>Ft.-lbs.</i>
	Rear Seal Retainer Bolts	10	<i>Ft.-lbs.</i>
	Timing Chain Cover Bolts	21	<i>Ft.-lbs.</i>
	Timing Chain Cover Slide Bushing Bolt	18	<i>Ft.-lbs.</i>
	Timing Drive Guide Bolts	8	<i>Ft.-lbs.</i>
	Timing Drive Tensioner Bolts	8	<i>Ft.-lbs.</i>
	Variable Valve Timing Solenoid (VVTS)	8	<i>Ft.-lbs.</i>
FRONT ENGINE	Belt Tensioner Lower Bolt (Hydraulic)	74	<i>Ft.-lbs.</i>
	Belt Tensioner Upper Bolt (Hydraulic)	41	<i>Ft.-lbs.</i>
	Belt Tensioner Bolt (Mechanical)	41	<i>Ft.-lbs.</i>
	Belt Tensioner Stop Bracket Bolts	18	<i>Ft.-lbs.</i>
	Engine Coolant Temperature Sensor	23	<i>Ft.-lbs.</i>
	Engine Oil Pressure Sensor	10	<i>Ft.-lbs.</i>
	Engine Oil Temperature Sensor	38	<i>Ft.-lbs.</i>
	Idler Pulley Bolts	21	<i>Ft.-lbs.</i>
	Oil Cooler Connector Bolt	21	<i>Ft.-lbs.</i>
	Thermostat Housing Bolts	21	<i>Ft.-lbs.</i>
	Water Pump Bolts	21	<i>Ft.-lbs.</i>
Water Pump Nuts	9	<i>Ft.-lbs.</i>	
REAR ENGINE	Flexplate to Crankshaft Bolts	70	<i>Ft.-lbs.</i>
	Engine Mount to Block Bolts	47	<i>Ft.-lbs.</i>
ENGINE BLOCK PLUGS	Oil Galley Plug (1/4 - 18 NPT)	15	<i>Ft.-lbs.</i>
	Coolant Drain Plug (1/4-18 NPT) (3/8 NPT)	25	<i>Ft.-lbs.</i>
		20	<i>Ft.-lbs.</i>



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