



		Head	EJ20G			EJ20K		EJ20H		EJ20R	EJ22T	EJ25D	EJ251	EJ207	EJ205		EJ207	EJ255	EJ257			
		Valve arrangement	DOHC rocker HLA	DOHC direct HLA	DOHC shim over bucket		DOHC shim under bucket	DOHC direct HLA	DOHC shim over bucket		SOHC HLA	DOHC shim over bucket	SOHC mech. lash adjuster	DOHC shim under bucket	DOHC shim over bucket	DOHC shimless bucket						
		Head volume	57cc			46cc				40cc		46cc	50cc	49cc		52cc	54cc					
		Model year	MY89-93	MY92-96	MY97-98	MY97-98	MY97-98	MY94-96	MY97-98	MY97-98	MY90-93	MY97-98	MY99-03	MY99-00	MY99-02	MY03-04	MY01-07	MY05-07				
Block	Deck style	Application	Legacy GT/RS	Impreza WRX	Impreza WRX Wagon Forester Turbo	Impreza WRX Sedan	Impreza WRX STI Version III/IV	Legacy GT/RS	Legacy GT AT	Legacy GTB MT	Legacy 2.2 Turbo	Impreza RS Legacy GT Outback	Impreza RS Legacy GT Outback	Impreza WRX STI Version V/IV	ImprezaWRX Forester 2.0 XT		WRX STI Version VII/VIII	WRX 2.5 Legacy GT Forester 2.5 XT	WRX STI			
EJ20G	closed deck 50% open deck 50%	Legacy GT/RS	8.00	9.3 (A or B)*							10.2 (A or B)*	9.3 (A or B)*										
	closed deck 2% open deck 98%	Impreza WRX	7.1 (A or B)*	8.0	8.0 (A or B)*							8.6 (A or B)*	8.0 (A or B)*									
	open deck	Impreza WRX Wagon Forester Turbo	7.8 (A or B)*	9.0 (A or B)*	9.0	9.0 (A or B)*							9.8 (A or B)*	9.0 (A or B)*								
EJ20K	open deck	Impreza WRX Sedan	7.1 (A or B)*	8.0 (A or B)*	8.0	8.0 (A or B)*							8.6 (A or B)*	8.0 (A or B)*								
		Impreza WRX STI Version III/IV			8.0																	
EJ20H	open deck	Legacy GT/RS	7.4 (A or B)*	8.5 (A or B)*				8.5	8.5 (A or B)*													
		Legacy GT AT	7.8 (A or B)*	9.0 (A or B)*					9.0	9.0 (A or B)*		9.2 (A or B)*	8.5 (A or B)*									
EJ20R		Legacy GTB MT	7.1 (A or B)*	8.0 (A or B)*					8.0		8.6 (A or B)*	8.0 (A or B)*										
EJ22T	closed deck	Legacy 2.2 Turbo	6.8 (G)*	7.5 (G)*							8.0	7.5 (G)*										
EJ22E		Legacy 2.2	8.1 (G)*	9.2 (G)*							9.7 (G)*	9.2 (G)*										
EJ25D	open deck	Impreza RS Legacy GT Outback	8.6 (J)*	9.7 (J)*								9.7										
EJ251		Impreza RS Legacy GT Outback	9.1 (L)* 8.5 (J)	10.4 (L)* 9.6 (J)							11.4 (L)* 10.4 (J)	10.4 (L)* 9.6(J)	10.0									
EJ207		Impreza WRX STI Version V/IV	7.3 (C)*	8.3 (C)* 7.9 (A or B)							9.0 (C)* 8.5 (A or B)	8.3 (C)* 7.9 (A or B)		8.0	8.0 (C)*							
EJ205		Impreza WRX Forester 2.0 XT	8.1 (C)*	9.4 (C)*					8.9 (A or B)			9.4 (C)* 8.9 (A or B)		8.0 (C)*	8.0	8.0 (C)*						
EJ207	semi-closed deck	WRX STI Version VII/VIII	7.3 (C)*	8.3 (C)* 7.9 (A or B)							9.0 (C)* 8.5 (A or B)	8.3 (C)* 7.9 (A or B)			8.0 (C)*		8.0					
EJ255		WRX 2.5 Legacy GT Forester 2.5 XT	8.0 (L)* 7.5 (J)	9.0 (L)* 8.4 (J)							9.6 (L)* 9.0 (J)	9.0 (L)* 8.4 (J)			8.7 (L)* 8.1 (J)		8.4	8.2				
EJ257		WRX STI															8.4	8.2				

Gasket Selection	11044AA355	11044AA463	11044AA483	11044AA650	Cometic C4260 040	Cometic C4261 051	11044AA282	11044AA542	Cometic C4262 040	11044AA610	11044AA632	11044AA642	11044AA670	11044AA770	Cometic C4360 051		
Bore	Ø 93.0														Ø 103.0		
Thickness	1.37 mm		0.80 mm	0.56 mm		1.00 mm	1.30 mm	Ø 98.0		1.37 mm	0.80 mm	1.00 mm	1.37 mm	0.65 mm	0.56 mm	0.56 mm	1.30 mm
Material	graphite composite	MLS w/ coating	MLS		MLS w/ coating		graphite composite	MLS	MLS w/ coating	MLS	1-Layer Steel w/ coating	MLS	MLS	MLS	MLS w/ coating		
Abbreviation/code (see table)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		

* correct squish! Wrong squish (distance between cylinderhead and piston in TDC) may result in increased detonation!

NEW VERSION COMING MAY 2011 WITH UPDATED JDM COMPRESSION RATIOS