

BASIC MODEL SERIES	SERVICE MANUAL PART #	OIL CAPACITY WITH FILTER	IGNITION (Air Gap)	VALVE CLEARANCE COLD		SERVICE LIMIT					TORQUE SPECIFICATIONS					NOTE
				INTAKE	EXHAUST	REC. SPARK PLUG GAP	COMP-RESSION (Min)	AIR FILTER PART # (Pre Cleaner)	RING END GAP (#1 Comp Ring Max)	CYLINDER BORE (Max)	CYLINDER HEAD	CON ROD	FLY-WHEEL	CRANK-CASE COVER	INTAKE MANIFOLD	
FA076	99924-2016	0.32L 10.9oz	.50mm .0197"	.15mm .0059"	.20mm .0079"	BMR6A <small>.7mm .028 .8mm .031</small>	411KPA 60psi		.15mm .0059"	52.070mm 2.0500"	7N-m 60 in-lb	7N-m 60 in-lb	34N-m 305 in-lb	6N-m 50 in-lb	7N-m 60 in-lb	
FA130	99924-2016	0.5L 17.0oz	.50mm .0197"	.15mm .0059"	.22mm .0087"	BMR6A <small>.7mm .028 .8mm .031</small>	411KPA 60psi		.16mm .0063"	62.070mm 2.4437"	20N-m 175 in-lb	12N-m 105 in-lb	62N-m 552 in-lb	6N-m 50 in-lb	7N-m 60 in-lb	
FA210	99924-2016	0.6L 20.3oz	.50mm .0197"	.15mm .0059"	.22mm .0087"	BMR6A <small>.7mm .028 .8mm .031</small>	411KPA 60psi		.16mm .0063"	72.070mm 2.8374"	20N-m 175 in-lb	12N-m 105 in-lb	62N-m 552 in-lb	6N-m 50 in-lb	7N-m 60 in-lb	
FB460V	99924-2011	1.4L 47.4oz	.30mm .0118"	.13mm .0051"	.13mm .0051"	BMR4A <small>.6mm .024 .7mm .028</small>	380KPA 55psi	11013-2141 (11013-2109)	.7mm .028"	88.98mm 3.5031"	37N-m 330 in-lb	20N-m 175 in-lb	86N-m 64 in-lb	20N-m 175 in-lb	7N-m 60 in-lb	
FC150V	99924-2020	0.5L 16.8oz	.30mm .0118"	.12mm .0047"	.12mm .0047"	BP6ES <small>.7mm .028 .8mm .031</small>	343KPA 50psi	11013-2021 (11013-2020)	1.0mm .040"	65.06mm 2.5614"	23N-m 205 in-lb	12N-m 105 in-lb	45N-m 396 in-lb	7N-m 60 in-lb	7N-m 60 in-lb	
FC290V	99924-2018-02	1.1L 36.8oz	.30mm .0118"	.15mm .0059"	.15mm .0059"	BPR5ES <small>.7mm .028 .8mm .031</small>	483KPA 71psi	11013-2093 (11013-2092)	.7mm .028"	78.067mm 3.0735"	24N-m 220 in-lb	20N-m 180 in-lb	86N-m 768 in-lb	26N-m 230 in-lb	7N-m 60 in-lb	
FC401V	99924-2018-02	1.3L 43.2oz	.30mm .0118"	.15mm .0059"	.15mm .0059"	BPR5ES <small>.7mm .028 .8mm .031</small>	483KPA 71psi	11013-2141 (11013-2109)	.9mm .035"	89.076mm 3.5069"	52N-m 456 in-lb	20N-m 180 in-lb	137N-m 1212 in-lb	26N-m 230 in-lb	7N-m 60 in-lb	
FC420V	99924-2018-02	1.3L 43.2oz	.30mm .0118"	.15mm .0059"	.15mm .0059"	BPR5ES <small>.7mm .028 .8mm .031</small>	483KPA 71psi	11013-2141 (11013-2109)	.9mm .035"	89.076mm 3.5069"	52N-m 456 in-lb	20N-m 180 in-lb	137N-m 1212 in-lb	26N-m 230 in-lb	7N-m 60 in-lb	
FC540V	99924-2018-02	1.6L 54.4oz	.30mm .0118"	.15mm .0059"	.15mm .0059"	BPR5ES <small>.7mm .028 .8mm .031</small>	483KPA 71psi	11013-2143 (11013-2097)	.9mm .035"	89.076mm 3.5069"	13N-m 456 in-lb	20N-m 180 in-lb	172N-m 1524 in-lb	26N-m 230 in-lb	7N-m 60 in-lb	
FD501V	99924-2041-02	1.5L 51.2oz	.3 - 1.2mm .012 - .05"	.15mm .0059"	.15mm .0059"	* BMR4A <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2162 (11013-2161)	1.0mm .040"	67.060mm 2.640"	21N-m 185 in-lb	21N-m 105 in-lb	90N-m 66 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	Before Serial Number 105534
FD501V	99924-2041-02	1.5L 51.2oz	.3 - 1.2mm .012 - .05"	.15mm .0059"	.15mm .0059"	* BPR2ES <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2162 (11013-2161)	1.0mm .040"	67.060mm 2.640"	21N-m 185 in-lb	21N-m 105 in-lb	90N-m 66 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	After Serial Number 105533
FD590V	99924-2041-02	1.7L 57.6oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BMR4A <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2115 (11013-2114)	1.0mm .040"	74.010mm 2.918"	21N-m 185 in-lb	21N-m 105 in-lb	108N-m 80 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	Before Serial Number 114457
FD590V	99924-2041-02	1.7L 57.6oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BPR2ES <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2115 (11013-2114)	1.0mm .040"	74.010mm 2.918"	21N-m 185 in-lb	21N-m 105 in-lb	108N-m 80 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	After Serial Number 114456
FD611V	99924-2041-02	1.7L 57.6oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BMR4A <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2115 (11013-2114)	1.0mm .040"	74.010mm 2.918"	21N-m 185 in-lb	21N-m 105 in-lb	108N-m 80 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	Before Serial Number 027683
FD611V	99924-2041-02	1.7L 57.6oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BPR2ES <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2115 (11013-2114)	1.0mm .040"	74.010mm 2.918"	21N-m 185 in-lb	21N-m 105 in-lb	108N-m 80 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	After Serial Number 027682
FD501D	99924-2043-51 supplement to 99924-2041-02	1.3L 43.2oz	.3 - 1.2mm .012 - .05"	.15mm .0059"	.15mm .0059"	* BMR4A <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2162 (11013-2161)	1.0mm .040"	67.060mm 2.640"	21N-m 185 in-lb	21N-m 105 in-lb	90N-m 66 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	Before Serial Number 105502
FD501D	99924-2043-51 supplement to 99924-2041-02	1.3L 43.2oz	.3 - 1.2mm .012 - .05"	.15mm .0059"	.15mm .0059"	* BPR2ES <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2162 (11013-2161)	1.0mm .040"	67.060mm 2.640"	21N-m 185 in-lb	21N-m 105 in-lb	90N-m 66 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 6N-m 52 in-lb	After Serial Number 105501
FD620D	99924-2030-03	1.5L 51.2oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BMR4A <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2139 (11013-2114)	1.2mm .05"	76.067mm 2.9948"	21N-m 185 in-lb	21N-m 180 in-lb	108N-m 960 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 7.8N-m 69 in-lb	Before Serial Number 254225
FD620D	99924-2030-03	1.5L 51.2oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BPR2ES <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2139 (11013-2114)	1.2mm .05"	76.067mm 2.9948"	21N-m 185 in-lb	21N-m 180 in-lb	108N-m 960 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 7.8N-m 69 in-lb	After Serial Number 254224
FD661D	99924-2030-03	1.5L 51.2oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BMR4A <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2139 (11013-2114)	1.2mm .05"	76.067mm 2.9948"	21N-m 185 in-lb	21N-m 180 in-lb	108N-m 960 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 7.8N-m 69 in-lb	Before Serial Number 014344
FD661D	99924-2030-03	1.5L 51.2oz	.3 - 1.2mm .012 - .05"	.25mm .0098"	.25mm .0098"	* BPR2ES <small>.6mm .024 .7mm .028</small>	1171KPA 170psi	11013-2139 (11013-2114)	1.2mm .05"	76.067mm 2.9948"	21N-m 185 in-lb	21N-m 180 in-lb	108N-m 960 in-lb	21N-m 185 in-lb	3N-m 26 in-lb 7.8N-m 69 in-lb	After Serial Number 014343
FD750D	99924-2061-01	2.0L 65.6oz	.25 - .40mm .010" - .016"	.15mm .006"	.15mm .006"	BPR2ES .030"	1171KPA 170 psi	11013-2187 (11013-2186)	1.0mm .040"	78.080mm 3.0740"	27N-m 240 in-lb	21N-m 180 in-lb	56N-m 492 in-lb	22N-m 192 in-lb	12N-m 106 in-lb	
FE120D	99924-2054-01	0.6L 19.2oz	.25 - .40mm .010" - .016"	.12mm .0047"	.12mm .0047"	BPR5ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi		1.0mm .040"	60.067mm 2.3648"	25N-m 216 in-lb	12N-m 105 in-lb	64N-m 471 in-lb	9.8N-m 86 in-lb	12N-m 106 in-lb	
FE170D	99924-2054-01	0.6L 19.2oz	.25 - .40mm .010" - .016"	.12mm .0047"	.12mm .0047"	BPR5ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi		1.0mm .040"	66.067mm 2.601"	25N-m 216 in-lb	12N-m 105 in-lb	64N-m 471 in-lb	25N-m 221 in-lb	12N-m 106 in-lb	
FE250D	99924-2054-01	1.1L 36.8oz	.25 - .40mm .010" - .016"	.12mm .0047"	.12mm .0047"	BPR5ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi		1.2mm .047"	76.070mm 2.9949"	25N-m 216 in-lb	20N-m 177 in-lb	86N-m 768 in-lb	23N-m 203 in-lb	12N-m 106 in-lb	
FE290D	99924-2054-01	1.1L 36.8oz	.25 - .40mm .010" - .016"	.12mm .0047"	.12mm .0047"	BPR5ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi		1.2mm .047"	78.067mm 3.0735"	25N-m 216 in-lb	20N-m 177 in-lb	86N-m 768 in-lb	26N-m 230 in-lb	12N-m 106 in-lb	
FE350D	99924-2054-01	1.3L 43.2oz	.25 - .40mm .010" - .016"	Hydraulic	Hydraulic	BPR5ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi		1.2mm .047"	83.067mm 3.2703"	25N-m 216 in-lb	22N-m 195 in-lb	137N-m 1212 in-lb	31N-m 275 in-lb	12N-m 106 in-lb	
FH451V	99924-2045-03	1.8L 60.8oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	RCJ8Y <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7002 (11013-7001)	.07mm .028"	67.78mm 2.676"	25N-m 216 in-lb	5.9N-m 52 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	
FH500V	99924-2045-03	1.8L 60.8oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	RCJ8Y <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7002 (11013-7001)	.07mm .028"	68.10mm 2.681"	25N-m 216 in-lb	5.9N-m 52 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	
FH531V	99924-2045-03	1.8L 60.8oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	RCJ8Y <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7002 (11013-7001)	.07mm .028"	68.10mm 2.681"	25N-m 216 in-lb	5.9N-m 52 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	
FH601V	99924-2045-03	1.8L 60.8oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	BPR4ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7010 (11013-7009)	.65mm .026"	75.28mm 2.964"	25N-m 216 in-lb	15N-m 132 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	
FH641V	99924-2045-03	1.8L 60.8oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	BPR4ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7010 (11013-7009)	.65mm .026"	75.28mm 2.964"	25N-m 216 in-lb	15N-m 132 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	
FH680V	99924-2045-03	1.8L 60.8oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	BPR4ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7010 (11013-7009)	.65mm .026"	75.28mm 2.964"	25N-m 216 in-lb	15N-m 132 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	
FH721V	99924-2045-03	1.9L 64.0oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	BPR4ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7010 (11013-7009)	.65mm .026"	75.28mm 2.964"	25N-m 216 in-lb	15N-m 132 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	
FH680D	99924-2060-02	1.6L 54.4oz	.25 - .40mm .010" - .016"	.075 - .125 .003 - .005	.075 - .125 .003 - .005	BPR4ES <small>.7mm .028 .8mm .031</small>	390KPA 57psi	11013-7010 (11013-7009)	.65mm .026"	75.28mm 2.964"	28N-m 252 in-lb	9.8N-m 87 in-lb	56N-m 492 in-lb	25N-m 228 in-lb	5.9N-m 52 in-lb	