

Ferris Model	Engine Model	Engine Spec #	Engine Oil Filter	Engine Oil Capacity	Glow/Spark Plugs	Air Filter
Walk Behinds						
BGF36KA	Kawasaki FB460V (12.5hp)	ES36-01	(21334-1) 49065- 2078	1.4L (2.9 pt)	RCJ8 (Champion)	Pre Cleaner 11013-2020 // Air Filter 11013- 2021
BGF48KA	Kawasaki FC420V (14hp)1.50	HS09	(21334-1) 49065- 2078	1.3L (2.7 pt)	BPR5ES	Pre Cleaner 11013-2019 // Air Filter 11013- 2141
BGF52KA						
BGF48KAV15	Kawasaki FH451V	AS02	(21334-1) 49065- 2078	1.8L (3.8 pt)	RJ19LM	Pre Cleaner 11013-7001 // Air Filter 11013- 7002
BGF52KAV15						
HW36KA	Kawasaki FC401V (13hp)	BS03	(21334-1) 49065- 2078	1.3L (2.7 pt)	BPR5ES	Pre Cleaner 11013-2109 // Air Filter 11013- 2141
HW48KA						
DDSKAV15	Kawasaki FH451V	AS05	(21334-1) 49065- 2078	1.8L (3.8 pt)	RJ19LM	Pre Cleaner 11013-7001 // Air Filter 11013- 7002
DDSKAV17	Kawasaki FH500V	BS04	(21334-1) 49065- 2078	1.8L (3.8 pt)	RJ19LM	Pre Cleaner 11013-7001 // Air Filter 11013- 7002
DDSKAV23	Kawasaki FH680V	BS08	(21334-1) 49065- 2078	1.9L (4.0 pt)	BPR5ES	Pre Cleaner 11013-7009 // Air Filter 11013- 7010
HC32KAV13	Kawasaki FH381460V	BS07	(21334-1) 49065- 2078	1.5L (3.2 pt)	RCJ8Y (Champion)	Pre Cleaner 11013-7016 // Air Filter 11013- 7017
Three Wheel Riders						
H2220B	Briggs 351777	1044-E2	(21178-1) 492932	1.6L (3.4 pt)	RC12YC (Champion)	Pre-Cleaner 805113 Air Filter 805267
H2220K	Kohler CV20S	65513	(21144-1) 1205001	1.9L (4.0 pt)	12 132 02 OR RC12YC (Champion)	Pre-Cleaner 20922-4 Air Filter 20922- 2
H2222K	Kohler CV22S	67545	(21144-1) 1205001	1.9L (4.0 pt)	12 132 02 OR RC12YC (Champion)	Pre-Cleaner 20922-4 Air Filter 20922- 2
H2223K	Kohler CV23S	75528	(21144-1) 1205001	1.9L (4.0 pt)	12 132 02 OR RC12YC (Champion)	Pre-Cleaner 20922-4 Air Filter 20922- 2

H3225K	Kohler CV25S 69532	(21144-1) 2.0L (4.2	12 132 02 OR	Pre-Cleaner
		1205001 pt)	RC12YC	20922-4
			(Champion)	Air Filter 20922-2
H3227K	Kohler CV740 22	(21144-1) 2.0L (4.2	12 132 02 OR	Pre-Cleaner
		1205001 pt)	RC12YC	20922-4
			(Champion)	Air Filter 20922-2
Zero Turn Riders				
IS5000Z/C31D	Caterpillar IDINA	(22883-11) 150-4041	5.4L (11.5 pt) (22883-28) 172-4585	(22883-31) 197-5861
IS4000Z/D34	Briggs 589447 0322-E2	(21178-1) 491056	3.0L (6.3 pt) 491055	820263
IS4500C28D61 IS4500C28D61CE	Catapillar 3011C	n/a	4.9L (10.4 pt) n/a	(22883-31) 197-5861
IS4000ZKAV27/61	Kawasaki FD-750D AS00	(21334-1) 49065-2078	2.0L (4.2 pt) BPR4ES	Pre Cleaner 11013-2187 // Air Filter 11013-2186
IS4000Z/D31	Briggs 580447 0321-E2	(21178-1) 491056	3.0L (6.3 pt) 491055	820263
IS3000ZKAV23/61	Kawasaki FH680V CS07	(21334-1) 49065-2078	1.8L (3.8 pt) BPR4ES	Pre Cleaner 11013-7009 // Air Filter 11013-7010
IS3000ZKAV25/61	Kawasaki FH721V AS11	(21334-1) 49065-2078	1.9L (4.0 pt) BPR4ES	Pre Cleaner 11013-7009 // Air Filter 11013-7010
IS3000ZFKAV25/61	Kawasaki FH721V AS11	(21334-1) 49065-2078	1.9L (4.0 pt) BPR4ES	Pre Cleaner 11013-7009 // Air Filter 11013-7010
IS3000ZFKAV25/61 (with remote air filter)	Kawasaki FH721V AS27	(21334-1) 49065-2078	1.9L (4.0 pt) BPR4ES	Primary Filter 11013-7020 // Secondary Filter 11013-7019
IS3000ZLKAV26/61	Kawasaki FH731V AS00	(21334-1) 49065-2078	2.7L (5.7 pt) BPR4ES	Primary Filter 11013-7020 // Secondary Filter 11013-7019
IS3000ZXX27/61	Kohler CV740S PS-CV740-009	(21144-1) 1205001	2.0L (4.2 pt) 12 132 02 OR RC12YC (Champion)	Primary Paper Element 25 083 01-S Secondary Element 25 083 04-S
IS1500ZKAV21/48	Kawasaki FH641V AS25	(21334-1) 49065-2078	1.8L (3.8 pt) BPR4ES	Primary Filter 11013-7020 // Secondary Filter 11013-7019

IS1500ZKAV2552	Kawasaki FH721V	AS27	(21334-1) 49065- 2078	1.9L (4.0 pt)	BPR4ES	Primary Filter 11013-7020 // Secondary Filter 11013-7019
1000ZKAV21/48	Kawasaki FH641V	AS13	(21334-1) 49065- 2078	1.8L (3.8 pt)	BPR4ES	Pre Cleaner 11013-7009 // Air Filter 11013- 7010
1000ZKAV23/52 1000ZKAV23/61	Kawasaki FH680V	CS07	(21334-1) 49065- 2078	1.8L (3.8 pt)	BPR4ES	Pre Cleaner 11013-7009 // Air Filter 11013- 7010
1000ZK21/48	Kohler CV22S	PS- 75564	(21144-1) 1205001	3.7L (4.0 pt)	24 132 03-S	Pre-Cleaner 4508301
1000ZK23/52	Kohler CV23S	PS- 75562	(21144-1) 1205001	3.7L (4.0 pt)	2413203	Pre-Cleaner 4508301 Air Filter 4508302
1000ZK27/61	Kohler CV740	PS- CV740S	(21144-1) 1205001	2.0L (4.2 pt)	12 132 02 OR RC12YC (Champion)	Primary Paper Element 25 083 01-S Secondary Element 25 083 04-S
IS1000ZKAV21/48	Kawasaki FH641V	AS13	(21334-1) 49065- 2078	1.8L (3.8 pt)	BPR4ES	Primary Filter 11013-7020 // Secondary Filter 11013-7019
IS1000ZKAV21/48 (with remote air filter)	Kawasaki FH641V	AS25	(21334-1) 49065- 2078	1.8L (3.8 pt)	BPR4ES	Primary Filter 11013-7020 // Secondary Filter 11013-7019
IS1000ZKAV23/52	Kawasaki FH680V	CS07	(21334-1) 49065- 2078	1.8L (3.8 pt)	BPR4ES	Pre Cleaner 11013-7009 // Air Filter 11013- 7010
IS1000ZKAV23/52 (with remote air filter)	Kawasaki FH680V	AS30	(21334-1) 49065- 2078	1.8L (3.8 pt)	BPR4ES	Primary Filter 11013-7020 // Secondary Filter 11013-7019

Ferris Model	Muffler	Trans. Type	Trans. Filter	Trans. Fluid Type	Trans. Fluid Capacity	Fuel Filter
Walk Behinds						
BGF36KA	22950	Peerless Gearbox 700-026 (21820) Before S/N 2421 / 700-070A (22246) After S/N 2421)	NONE	Peerless Grease	Pre-filled	21178-3
BGF48KA	22950	Peerless Gearbox 700-026 (21820) Before S/N 2421 / 700-070A (22246) After S/N 2421)	NONE	Peerless Grease	Pre-filled	21178-3
BGF52KA						
BGF48KAV15	NONE	Peerless Gearbox 700-026 (21820) Before S/N 2421 / 700-070A (22246) After S/N 2421)	NONE	Peerless Grease	Pre-filled	21178-3
BGF52KAV15						
HW36KA	NONE	Eaton 751-052 (21469)	21068-1 before S/N 1581 / After S/N 1581 internal filter	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	2 Qts.	21178-3
HW48KA						
DDSKAV15	NONE	Eaton 771-101 (22162R) // 771-102 (22162L)	21068-1	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	2 Qts. per side	21178-3
DDSKAV17	NONE	Eaton 771-101 (22162R) // 771-102 (22162L)	21068-1	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	2 Qts. per side	21178-3
DDSKAV23	NONE	Eaton 771-101 (22162R) // 771-102 (22162L)	21068-1	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	2 Qts. per side	21178-3
HC32KAV13	49070-7002	HydroGear 334-0510 (22905)	n/a (internal)	HydroGear 20W-50 Oil (22095-12)	78.8 Oz.	21178-3

Three Wheel Riders

H2220B	Briggs 807953X	Eaton 851-132 (22164)	21068-1	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	7 Qts. (Tank 3/4 full)	21178-3
H2220K	24 068 20	Eaton 851-132 (22164)	21068-1	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	7 Qts. (Tank 3/4 full)	21178-3
H2222K	22161	Eaton 851-132 (22164)	21068-1	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	7 Qts. (Tank 3/4 full)	21178-3
H2223K	22161	Eaton 851-132 (22164)	21068-1	Mobil DTE 26 Hyd. Oil OR SAE 20W-20 Motor Oil OR SAE 30 Motor Oil	7 Qts. (Tank 3/4 full)	21178-3
H3225K	22161	Sunstrand Pump 15-2072 (21333)	21357	SAE 5W-30 Motor Oil	8 Qts. (Tank 3/4 full)	21178-3
H3227K	22161	Sunstrand Pump 15-2072 (21333)	21357	SAE 5W-30 Motor Oil	8 Qts. (Tank 3/4 full)	21178-3

Zero Turn Riders

IS5000Z/C31D	22900	Hydrogear Pump BDP- 21L-402 (22375 LEFT) // BDP- 21L-304 (22376 RIGHT)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	8 Qts.	(22883-19A) 150-4142 (200 hr) // (22883- 19B) 033-7854 (500 hr ass'y.) // (22883-19C) 067-6987 (500 hr element)
IS5000Z/D34	22950	Hydrogear Pump BDP- 21L-402 (22375 LEFT) // BDP- 21L-304 (22376 RIGHT)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	8 Qts.	498688
IS4500ZC28D61 IS4500ZC28D61CE	61183	Hydrogear Pump PW- 1DCC (23401 LEFT) // HydroGear Pump PW- 1ACC (23402 RIGHT)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	8 Qts.	(22883-19B) 033-7854 (ass'y.) (22883-19C) 067-6987 (element)

IS4000ZKAV27/61	Contact Kawasaki	Hydrogear Pump BDP- 21L-402 (22375 LEFT) // BDP- 21L-304 (22376 RIGHT)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	6 Qts.	21178-3
IS4000Z/D31	Contact Briggs	Hydrogear Pump BDP- 21L-402 (22375 LEFT) // BDP- 21L-304 (22376 RIGHT)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	6 Qts.	498688
IS3000ZKAV23/61	22647	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS3000ZKAV25/61	22647	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS3000ZFKAV25/61	23162	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS3000ZFKAV25/61 (with remote air filter)	23162	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS3000ZLKAV26/61	61314	Hydrogear Pump PJ-12 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS3000ZXKAV27/61	22952	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3

IS1500ZKAV21/48	23162	Hydrogear Pump PG-3 Series (23372 LEFT) Hydrogear Pump PG-3 Series (23373 RIGHT)	1719168	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS1500ZKAV21/48	23162	Hydrogear Pump PG-3 Series (23372 LEFT) Hydrogear Pump PG-3 Series (23373 RIGHT)	1719168	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
1000ZKAV21/48	22647	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
1000ZKAV23/52 1000ZKAV23/61	22647	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
1000ZK21/48	22952	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
1000ZK23/52	22952	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
1000ZK23/52	22952	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS1000ZKAV27/61	22647	Hydrogear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3

IS1000ZKAV21/48 (with remote air filter)	22647	Hydregear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS1000ZKAV23/52	22647	Hydregear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3
IS1000ZKAV23/52 (with remote air filter)	22647	Hydregear Pump BDP- 10A-432 (22571)	21357	Mobil 1 15W- 50 Synthetic Motor Oil OR Castrol Syntec 5W-50 Motor Oil	4 Qts.	21178-3