

Z-FORCE S and SZ SPECIFICATION SHEETS 2010-2014

| | | |
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| | | | | |
|------------------------|-------------------------|-------------|-------------------|-------------|
| Z-Force S 48 | 22 H.P. Kawasaki | Twin | Dual Hydro | 2010 |
| Z-Force S 60 | 26 H.P. Kawasaki | Twin | Dual Hydro | 2010 |
| Z-Force S 48 LP | 23 H.P. Kawasaki | Twin | Dual Hydro | 2010 |
| Z-Force S 60 LP | 26 H.P. Kawasaki | Twin | Dual Hydro | 2010 |

MODEL: Z-Force S 48

YEAR: 2010

Factory Model Number: 17A15BHB010, 17A15BHB009, 17A15BHB056

22 H.P. Hydro Drive
Electric P.T.O. / 48" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 725 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR651V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 22 HP (16.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-11011-7054 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR651V-AS00S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 60

YEAR: 2010

Factory Model Number: 17AI5GHD010, 17AI5GHD210

26 H.P. Hydro Drive
Electric P.T.O. / 60" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 790 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 26 HP (19.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 48 LP

YEAR: 2010-2011

Factory Model Number: 17AP5BHB710

26 H.P. Hydro Drive
Electric P.T.O. / 48" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 760 lbs. |
| Engine Type | LP Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 26 HP (19.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 33 lb Cylinder |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-11011-7054 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 60 LP

YEAR: 2010-2011

Factory Model Number: 17AP5GHD710

26 H.P. Hydro Drive
Electric P.T.O. / 60" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 805 lbs. |
| Engine Type | LP Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 26 HP (19.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 33 lb. Cylinder |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

| | | | | |
|------------------------|-------------------------|-------------|-------------------|-------------|
| Z-Force S 46 | 20 H.P. Courage | Twin | Dual Hydro | 2011 |
| Z-Force S 48 | 22 H.P. Courage | Twin | Dual Hydro | 2011 |
| Z-Force S 54 | 24 H.P. Courage | Twin | Dual Hydro | 2011 |
| Z-Force S 60 | 26 H.P. Courage | Twin | Dual Hydro | 2011 |
| Z-Force S 48 LP | 26 H.P. Kawasaki | Twin | Dual Hydro | 2011 |
| Z-Force S 60 LP | 26 H.P. Kawasaki | Twin | Dual Hydro | 2011 |

MODEL: Z-Force S 46

YEAR: 2011-2012

Factory Model Number: 17AF5BHH010

20 H.P. Hydro Drive
Electric P.T.O. / 46" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 655 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kohler |
| Model Series | Courage (Vertical) |
| Model/Type/Spec | SV710-3036 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 20 HP (14.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.0 cu in. (725cc) |
| Bore | 3.27" |
| Stroke | 2.64" |

ENGINE SPECS:

| | |
|------------------------|-------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.005" (0.127 mm) |
| Valve Lash (Exhaust) | 0.005" (0.127 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.011"-0.013" |

CAPACITIES:

| | |
|-----------------------|----------------|
| Engine Crankcase | 2.0 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 56 oz. (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|-----------------|
| Air Filter | KH-32-083-06-S |
| Pre Filter | KH-32-083-08-S |
| Oil Filter | KH-52-050-02-S |
| Fuel Filter | KH-25-050-22-S1 |
| Spark Plug | KH-25-132-12-S |
| Armature | KH-24-584-45-S |
| Points | Not Applicable |
| Carb Kit | KH-24-757-45-S |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KH-41-403-10-S |
| Solenoid | 725-04439 |
| Muffler | 751-10517A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04754A |

ENGINE:

| | |
|-----------------|---------------|
| Complete Engine | KH-SV710-3036 |
| Short Block | KH-32-522-07 |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 48

YEAR: 2011

Factory Model Number: 17AF5BHB010, 17AF5BHB056, 17AF5BHB210

22 H.P. Hydro Drive
Electric P.T.O. / 48" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 690 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kohler |
| Model Series | Courage (Vertical) |
| Model/Type/Spec | SV715-3029 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 22 HP (16.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.0 cu in. (725cc) |
| Bore | 3.27" |
| Stroke | 2.64" |

ENGINE SPECS:

| | |
|------------------------|-------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.005" (0.127 mm) |
| Valve Lash (Exhaust) | 0.005" (0.127 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.011"-0.013" |

CAPACITIES:

| | |
|-----------------------|----------------|
| Engine Crankcase | 2.0 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 56 oz. (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|-----------------|
| Air Filter | KH-32-083-06-S |
| Pre Filter | KH-32-083-08-S |
| Oil Filter | KH-52-050-02-S |
| Fuel Filter | KH-25-050-22-S1 |
| Spark Plug | KH-25-132-12-S |
| Armature | KH-24-584-45-S |
| Points | Not Applicable |
| Carb Kit | KH-24-757-46-S |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KH-41-403-10-S |
| Solenoid | 725-04439 |
| Muffler | 751-10528A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|---------------|
| Complete Engine | KH-SV715-3029 |
| Short Block | KH-32-522-07 |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 54

YEAR: 2011

Factory Model Number: 17AF5GHC010

24 H.P. Hydro Drive
Electric P.T.O. / 54" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 775 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kohler |
| Model Series | Courage (Vertical) |
| Model/Type/Spec | SV725-3019 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 24 HP (17.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.0 cu in. (725cc) |
| Bore | 3.27" |
| Stroke | 2.64" |

ENGINE SPECS:

| | |
|------------------------|-------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.005" (0.127 mm) |
| Valve Lash (Exhaust) | 0.005" (0.127 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.011"-0.013" |

CAPACITIES:

| | |
|-----------------------|----------------|
| Engine Crankcase | 2.0 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 70.3 oz. (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|-----------------|
| Air Filter | KH-32-083-06-S |
| Pre Filter | KH-32-083-08-S |
| Oil Filter | KH-52-050-02-S |
| Fuel Filter | KH-25-050-22-S1 |
| Spark Plug | KH-25-132-12-S |
| Armature | KH-24-584-45-S |
| Points | Not Applicable |
| Carb Kit | KH-24-757-46-S |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KH-41-403-10-S |
| Solenoid | 725-04439 |
| Muffler | 751-10528A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04754A |

ENGINE:

| | |
|-----------------|---------------|
| Complete Engine | KH-SV725-3019 |
| Short Block | KH-32-522-07 |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 60

YEAR: 2011

Factory Model Number: 17AF5GHD010

26 H.P. Hydro Drive
Electric P.T.O. / 60" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 790 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kohler |
| Model Series | Courage (Vertical) |
| Model/Type/Spec | SV735-3023 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 26 HP (19.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.0 cu in. (725cc) |
| Bore | 3.27" |
| Stroke | 2.64" |

ENGINE SPECS:

| | |
|------------------------|-------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.005" (0.127 mm) |
| Valve Lash (Exhaust) | 0.005" (0.127 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.011"-0.013" |

CAPACITIES:

| | |
|-----------------------|----------------|
| Engine Crankcase | 2.0 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 70.3 oz. (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|-----------------|
| Air Filter | KH-32-083-06-S |
| Pre Filter | KH-32-083-08-S |
| Oil Filter | KH-52-050-02-S |
| Fuel Filter | KH-25-050-22-S1 |
| Spark Plug | 759-3336 |
| Armature | KH-24-584-89-S |
| Points | Not Applicable |
| Carb Kit | KH-24-757-46-S |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KH-41-403-10-S |
| Solenoid | 725-04439 |
| Muffler | 751-10528A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04754A |

ENGINE:

| | |
|-----------------|---------------|
| Complete Engine | KH-SV735-3023 |
| Short Block | KH-32-522-07 |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 48 LP

YEAR: 2010-2011

Factory Model Number: 17AP5BHB710

26 H.P. Hydro Drive
Electric P.T.O. / 48" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 760 lbs. |
| Engine Type | LP Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 26 HP (19.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 33 lb Cylinder |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-11011-7054 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 60 LP

YEAR: 2010-2011

Factory Model Number: 17AP5GHD710

26 H.P. Hydro Drive
Electric P.T.O. / 60" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 805 lbs. |
| Engine Type | LP Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 26 HP (19.4 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 33 lb. Cylinder |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

| | | | | |
|---------------------|---------------------------|-------------|-------------------|-------------|
| Z-Force S 46 | 20 H.P. Courage | Twin | Dual Hydro | 2012 |
| Z-Force S 48 | 21.5 H.P. Kawasaki | Twin | Dual Hydro | 2012 |
| Z-Force S 54 | 23 H.P. Kawasaki | Twin | Dual Hydro | 2012 |
| Z-Force S 60 | 24 H.P. Kawasaki | Twin | Dual Hydro | 2012 |

MODEL: Z-Force S 46

YEAR: 2011-2012

Factory Model Number: 17AF5BHH010

20 H.P. Hydro Drive
Electric P.T.O. / 46" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 655 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kohler |
| Model Series | Courage (Vertical) |
| Model/Type/Spec | SV710-3036 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 20 HP (14.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.0 cu in. (725cc) |
| Bore | 3.27" |
| Stroke | 2.64" |

ENGINE SPECS:

| | |
|------------------------|-------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.005" (0.127 mm) |
| Valve Lash (Exhaust) | 0.005" (0.127 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.011"-0.013" |

CAPACITIES:

| | |
|-----------------------|----------------|
| Engine Crankcase | 2.0 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 56 oz. (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|-----------------|
| Air Filter | KH-32-083-06-S |
| Pre Filter | KH-32-083-08-S |
| Oil Filter | KH-52-050-02-S |
| Fuel Filter | KH-25-050-22-S1 |
| Spark Plug | KH-25-132-12-S |
| Armature | KH-24-584-45-S |
| Points | Not Applicable |
| Carb Kit | KH-24-757-45-S |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KH-41-403-10-S |
| Solenoid | 725-04439 |
| Muffler | 751-10517A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04754A |

ENGINE:

| | |
|-----------------|---------------|
| Complete Engine | KH-SV710-3036 |
| Short Block | KH-32-522-07 |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 48

YEAR: 2012-2013

Factory Model Number: 17A15BHB010, 17A15BHB210

21.5 H.P. Hydro Drive
Electric P.T.O. / 48" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 725 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR651V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 21.5 HP (16.0 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-11011-7054 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR651V-AS00S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 54

YEAR: 2012-2013

Factory Model Number: 17AI5GHC010

23 H.P. Hydro Drive
Electric P.T.O. / 54" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 775 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR691V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 23 HP (17.2 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-11011-7054 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR691V-AS00S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 60

YEAR: 2012-2013

Factory Model Number: 17AI5GHD010

24 H.P. Hydro Drive
Electric P.T.O. / 60" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 790 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 24 HP (17.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

| | | | | |
|---------------------|---------------------------|-------------|-------------------|-------------|
| Z-Force S 48 | 21.5 H.P. Kawasaki | Twin | Dual Hydro | 2013 |
| Z-Force S 54 | 23 H.P. Kawasaki | Twin | Dual Hydro | 2013 |
| Z-Force S 60 | 24 H.P. Kawasaki | Twin | Dual Hydro | 2013 |

MODEL: Z-Force S 48

YEAR: 2012-2013

Factory Model Number: 17A15BHB010, 17A15BHB210

21.5 H.P. Hydro Drive
Electric P.T.O. / 48" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 725 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 18" x 9.5"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-7.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR651V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 21.5 HP (16.0 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-11011-7054 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR651V-AS00S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 54

YEAR: 2012-2013

Factory Model Number: 17AI5GHC010

23 H.P. Hydro Drive
Electric P.T.O. / 54" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 775 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR691V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 23 HP (17.2 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-11011-7054 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR691V-AS00S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force S 60

YEAR: 2012-2013

Factory Model Number: 17AI5GHD010

24 H.P. Hydro Drive
Electric P.T.O. / 60" Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 790 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-4.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 24 HP (17.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 4.5 gal. |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|----------------|
| Transmission Filter | Not Applicable |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-04439 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-04552 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year / 180 Hrs. |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

| | | | | |
|---------------------|-------------------------|-------------|-------------------|-------------|
| Z-Force SZ48 | 24 H.P. Kawasaki | Twin | Dual Hydro | 2014 |
| Z-Force SZ54 | 24 H.P. Kawasaki | Twin | Dual Hydro | 2014 |
| Z-Force SZ60 | 24 H.P. Kawasaki | Twin | Dual Hydro | 2014 |

MODEL: Z-Force SZ48

YEAR: 2014

Factory Model Number: 17AIDAGB010

24 H.P. Hydro Drive
Electric P.T.O. / 48" Fabricated Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 730 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-3.0 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 24 HP (17.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 2.8 gal. x Two (5.6 gal. Total) |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|---------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-06153 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-05188 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force SZ54

YEAR: 2014

Factory Model Number: 17AIDAGC010

24 H.P. Hydro Drive
Electric P.T.O. / 54" Fabricated Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 775 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-3.5 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 24 HP (17.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 2.8 gal. x Two (5.6 gal. Total) |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|---------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-06153 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-05192 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.

MODEL: Z-Force LZ60

YEAR: 2014

Factory Model Number: 17AIDAGD010

24 H.P. Hydro Drive
Electric P.T.O. / 60" Fabricated Deck

GENERAL INFO:

| | |
|----------------------|---------------------|
| Length (Over-All) | 70.0" |
| Width (Over-All) | Not Available |
| Height (Over-All) | Not Available |
| Ground Clearance | Not Available |
| Weight (Approximate) | 795 lbs. |
| Engine Type | Gas (Air Cooled) |
| Electrical System | 12v Negative Ground |

GENERAL INFO:

| | |
|-------------------------|-----------------------|
| Wheelbase | 43.0" |
| Tread Front/Rear | Rib/Turf |
| Turning Radius | 0" |
| Front Wheel Tire Size | 13" x 5"-6" |
| Rear Wheel Tire Size | 20" x 10"-8" |
| Trans/Differential Type | Aluminum, Intergrated |
| Forward Speed | 0-8.0 mph |
| Reverse Speed | 0-3.5 mph |

ENGINE SPECS:

| | |
|--|---------------------|
| Make | Kawasaki |
| Model Series | FR (Vertical) |
| Model/Type/Spec | FR730V-AS05 |
| No. Of Cylinders | 2 |
| Horse Power <small>Rated By Manufacturer</small> | 24 HP (17.9 kW) |
| Peak Torque | Not Available |
| Displacement | 44.3 cu in. (726cc) |
| Bore | 3.07" |
| Stroke | 2.99" |

ENGINE SPECS:

| | |
|------------------------|--------------------|
| Idle Speed | 1550 R.P.M. |
| Max. Speed (No Load) | 3600 R.P.M. |
| Max. Speed (Full Load) | 3450 R.P.M. |
| Valve Lash (Intake) | 0.003" (0.0762 mm) |
| Valve Lash (Exhaust) | 0.003" (0.0762 mm) |
| Ignition Type | Electronic |
| Spark Plug Gap | 0.030" |
| Mag Air Gap | 0.008"-0.016" |

CAPACITIES:

| | |
|-----------------------|-----------------------------------|
| Engine Crankcase | 1.9 qts. (A) |
| Coolant | Not Applicable |
| Transmission | 2.0 qts. Transaxles/Reservoir (B) |
| Transaxle | Not Applicable |
| Creeper Drive Housing | Not Applicable |
| Front Axle | Not Applicable |
| Fuel Tank | 2.8 gal. x Two (5.6 gal. Total) |

FLUIDS:

| | |
|-------------------------------|-----------|
| (A) SAE 10W30 | 737-3030A |
| (B) Drive System + Fluid | 737-3120 |
| (C) 135H EP Gear Lube 85W-140 | 737-3065 |
| (D) 251 EP Chassis Lubricant | 737-3034 |

ENGINE MAINTENANCE PARTS:

| | |
|-------------|----------------|
| Air Filter | KM-99999-0384 |
| Pre Filter | Not Applicable |
| Oil Filter | KM-49065-7007 |
| Fuel Filter | KM-49019-0014 |
| Spark Plug | KM-BPR4ES |
| Armature | KM-21171-0711 |
| Points | Not Applicable |
| Carb Kit | Not Applicable |

TRACTOR MAINTENANCE PARTS:

| | |
|---------------------|---------------|
| Transmission Filter | HG-52114P |
| Voltage Regulator | KM-21066-7017 |
| Solenoid | 725-06153 |
| Muffler | 751-11471A |
| Battery | 925-1707D |
| P.T.O. Clutch | 917-05192 |

ENGINE:

| | |
|-----------------|-----------------|
| Complete Engine | KM-FR730V-S00-S |
| Short Block | Not Available |
| Mini Block | Not Available |

WARRANTY:

| | |
|---------------------|-------------------|
| Limited Residential | 3 Year / 180 Hrs. |
| Engine | 3 Year |
| P.T.O. Clutch | 3 Year / 180 Hrs. |

BEIGE POWDERED PAINT CODE -0499

| | |
|--------------------------------|----------|
| Beige Paint (11.5 oz. Aerosol) | 759-3735 |
| Beige Paint (Quart) | 759-3736 |
| Beige Paint (.6 oz. Bottle) | 759-3674 |

YELLOW POWDERED PAINT CODE -4021

| | |
|---------------------------------|--------------|
| Yellow Paint (11.5 oz. Aerosol) | 788S04021 |
| Yellow Paint (Quart) | 788L04021-QT |
| Yellow Paint (.6 oz. Bottle) | 788T04021 |

Part Numbers and Specifications Subject To Change Without Notice.