



PAZT7203016

*Engines are not included in Free Freight Policy*

## HONDA ENGINES

Part #	Shaft Size	Description
<b>3 HP HORIZONTAL</b>		
GX100QA2	2-19/64" x 5/8"	Tapped 1/2-28 UNF Keyway; Ideal edger replacement
<b>4 HP HORIZONTAL</b>		
GX120QA2		Ideal edger replacement
GX120HX2		Oil Alert 6:1 gear reduction; Spray pumps
<b>5.5 HP HORIZONTAL</b>		
GX160QX2	2-7/16" x 3/4"	Oil Alert, Recoil start; Includes fuel tank and muffler
GX160TX2	2-7/16" x 5/8"	Threaded; Ideal water pump replacement
GX160HX2	2-7/16" x 3/4"	6:1 Reduction, Oil Alert, Recoil Start; Includes fuel tank and muffler
GX160QXE2	2-7/16" x 3/4" Tapped 5/16-24 Unf. Shaft	Electric start
GX160RH2	2-3/32" x 7/8"	2:1 reduction with clutch; Ideal Go Kart replacement
<b>6.5 HP HORIZONTAL</b>		
GX200QX2	2-7/16" x 3/4"	Oil Alert; Ideal Power Rake/Washer Replacement
GX200HX2	2-3/64" x 3/4"	6:1 reduction; Ideal mortar/cement mixer replacement
<b>8 HP HORIZONTAL</b>		
GX240QA	3-1/64" x 1"	Oil alert, recoil start; Includes fuel tank and muffler
GX240PA2	3-1/2" x 1" threaded	Oil alert; Ideal pump replacement
GX240HA	3-31/64" x 1"	6:1 reduction, oil alert, recoil start; Includes fuel tank and muffler
<b>9 HP HORIZONTAL</b>		
GX270QA2	3-31/64" x 1"	Oil alert; Ideal blower replacement
GX270PA2	3-1/2" x 1"	Ideal pump replacement
GX270HA2	3-15/64" x 1" keyed	6:1 gear reduction, oil alert; Ideal mortar/cement mixer replacement
GX270RA2	2-3/64" x 7/8"	
<b>13 HP HORIZONTAL</b>		
GX390QA2	1"	Oil alert, recoil start; General replacement
GX390QAE2	1"	Oil alert, electric start (3 Amp)
<b>18 HP HORIZONTAL</b>		
GX610QZE		18 HP, 3 Amp, Oil Alert, SWC Box and lever; Ideal walk-behind; Muffler not included
GX610TXF2	1-1/8"	18 HP, 20 Amp, Cannister A/C; No muffler

We have replacement parts available for all engines. Call for information.

## KAWASAKI "KAI" ENGINES

EPA Engines to Replace FB460 & FC420 Engines

Part #	Shaft Size	Replaces OE #	Description
<b>13 HP VERTICAL (Replaces FB460 12.5 HP)</b>			
FH381V-BS21-S	1" x 80mm	FB460V	Standard recoil start w/6 Amp charging for clutches
FH381V-AS20-S	1" x 80mm	FB460V	Standard electric start
<b>15 HP VERTICAL (Replaces FC420 14 HP)</b>			
FH430V-CS21-S	1" x 80mm	FC-420-14	Standard recoil start w/6 Amp charging for clutch
FH430V-AS20-S	1" x 80mm	FH451V-S01	Standard electric start
<b>16 HP VERTICAL</b>			
FH480V-S20	1" x 80mm		Electric starter KAI
FH480V-S21	1" x 80mm		Recoil starter KAI with clutch coil
<b>17 HP VERTICAL</b>			
FH541V-CS21-S	1" x 80mm	FH500V-S02/03	Standard recoil start w/6 Amp charging
FH541V-CS20-S	1" x 80mm	FH500V-S01	Standard electric start
<b>19 HP VERTICAL</b>			
FH580V-BS21-S	1" x 80mm		Recoil start w/coil
FH580V-AS20-S	1" x 80mm		Electric start, comes with muffler
<b>28 HP Horizontal</b>			
FH770D-S01S	1-1/8" x 100mm		Electronic starter, front muffler; 13 Amp coil separate choke and throttle

## KAWASAKI VERTICAL ENGINES

Part #	Shaft Size	Description
<b>6 HP VERTICAL</b>		
EJ180V	7/8" x 80mm	Recoil start, includes fuel tank and oil filter
EJ180V-AS15-S	25mm x 80mm	Recoil without tank; Replacement for Toro/Exmark
<b>13 HP VERTICAL</b>		
FH381V-BSS21-S	1" Straight	Recoil start, includes muffler; 1/4" straight keyway, with coil; General replacement
<b>15 HP VERTICAL</b>		
FH430V-CS21-S	1"	Recoil start, 13 Amp coil, includes muffler; Charging system for clutches
FH430V-AS20-S	1"	Electric start, includes muffler; General replacement
<b>17 HP VERTICAL</b>		
FH500V-BS02-S	1"	Vertical, 13 Amp, recoil start, includes muffler; 1/4" straight keyway
FH500V-BS01-S	1"	Vertical, 13 Amp, electric start, includes muffler; 1/4" straight keyway
<b>19 HP VERTICAL</b>		
FH601V-DS01-S	1-1/8"	13 Amp, electric start, includes muffler
FH601V-FS09-S	1"	13 Amp, electric start, includes muffler
<b>21 HP VERTICAL</b>		
FH641V-AS01-S	1-1/8"	13 Amp, electric start, includes muffler
FH641V-ES05-S	1"	13 Amp, electric start, includes muffler
<b>23 HP VERTICAL</b>		
FH680V-DS01-S	1-1/8"	13 Amp, air cooled, electric start, muffler not included
FH680V-FS06-S	1"	13 Amp, electric start, includes muffler; General replacement
<b>25 HP VERTICAL</b>		
FH721V-CS01-S	1-1/8"	13 Amp, electric start, includes muffler
FH721V-DS13-S	1"	13 Amp, electric start, muffler not included
<b>26 HP VERTICAL</b>		
FD731V-S00	1-1/8" x 100mm	20 Amp coil, includes cannister air filter, muffler not included
FD731V-S01	1-1/8" x 80mm	20 Amp coil, includes cannister air filter, muffler not included

## KAWASAKI HORIZONTAL ENGINES

Part #	Shaft Size	Description
<b>18 HP HORIZONTAL</b>		
FD620D-DS13-01	1-1/8"	20 Amp coil, muffler not included
<b>22 HP HORIZONTAL</b>		
FD661D-BS03-01	1-1/8"	20 Amp system, Exmark specs, muffler and radiator not included
<b>23 HP HORIZONTAL</b>		
FD671D-AS00	1-1/8"	20 Amp coil, includes muffler
FH680D-AS08	1-1/8"	13 Amp coil, muffler not included
<b>25 HP HORIZONTAL</b>		
FH721D-BS01-S	1-1/8"	13 Amp coil, includes muffler
<b>27 HP HORIZONTAL</b>		
FD720D-S02	1-1/8"	Liquid cooled, 20 Amp coil, muffler not included
FD750D-AS03-01	1-1/8"	Exmark specs, muffler, air filter and radiator not included

## KAWASAKI OEM REPLACEMENT ENGINES

Part #	Shaft	Description
<b>BOBCAT/RANSOMES</b>		
FH680V-BS27-S	1-1/8"	13 Amp coil, electric start, muffler not included; 23 HP vertical
FH721V-BS24-S	1-1/8"	13 Amp coil, electric start, muffler not included; 25 HP vertical
<b>EXMARK</b>		
FD661D-BS03-01	1-1/8"	20 Amp coil, muffler and radiator not included; 22 HP horizontal
FH721D-BS01-S	1-1/8"	13 Amp coil, includes standard muffler; 25 HP horizontal
FH680D-AS08	1-1/8"	13 Amp coil, muffler not included; 23 HP horizontal
FD750D-AS03-01	1-1/8"	30 Amp coil; Muffler, radiator, air cleaner not included; 27 HP horizontal
<b>FERRIS</b>		
FH721V-S11	1-1/8"	13 Amp coil; includes muffler
<b>GREAT DANE</b>		
FH451V-BS02-S	1"	Charge coil, includes muffler; 15 HP vertical
FH680V-FS06-S	1"	13 Amp coil; electric start; includes muffler; 23 HP vertical
FH721V-DS13S	1"	13 Amp coil; electric start; includes muffler; 25 HP vertical
<b>SCAG</b>		
FD661D-S05	1-1/8"	20 Amp coil; includes muffler
FD671D-S01	1-1/8"	20 Amp coil; includes muffler
FD750D-AS02	1-1/8"	20 Amp coil; muffler not included; 27 HP horizontal
FH641V-AS27-S	1-1/8"	13 Amp coil; muffler not included; 21 HP vertical
<b>TORO</b>		
FD661D-BS0301-01	1-1/8"	20 Amp coil; muffler and radiator not included; 22 HP horizontal
FD750D-AS03-01	1-1/8"	30 Amp coil; muffler not included; 27 HP horizontal
FH680D-AS08	1-1/8"	13 Amp coil; muffler not included; 23 HP horizontal
FH680V-FS06-S	1"	13 Amp coil; electric start, muffler not included; 23 HP vertical
FH721D-BS01-S	1-1/8"	13 Amp coil; includes standard muffler; 25 HP horizontal

## KAWASAKI ENGINE APPLICATIONS

Kawasaki #	HP	Replacement for	Shaft Size	Charging System	Starter	Muffler
<b>Bobcat</b>						
FH381V-CS21S	13	Walk behind	1" X 80mm	Not included	Recoil	Standar
FH721V-DS24S	25	ZTR	1-1/8" x 100mm	15 amp	Electric	Not included
<b>Bush Hog</b>						
FH721V-DS24S	25	ZTR	1-1/8" x 100mm	15 amp	Electric	Not included
<b>Country Clipper</b>						
FH541V-CS20S	17	Zeton Brat	1" x 80mm	15 amp	Electric	Standard
FH721V-DS24S	25	ZTR	1-1/8" x 100mm	15 amp	Electric	Not included
<b>Cub Cadet</b>						
FH721V-DS24S	25	Tank	1-1/8" x 100mm	15 amp	Electric	Not included
<b>Everride</b>						
FH721V-DS24S	25		1-1/8" x 100mm	15 amp	Electric	Not included
<b>Excel/Hustler</b>						
FH430V-CS21S	15	34" walk behind and Super Surfer	1" x 80mm	Clutch	Recoil	Standard
FH541V-CS20S	17	Short Cut ZTR	1" x 80mm	15 amp	Electric	Standard
FH541V-CS21S	17	48" walk behind Trim Star	1" x 80mm	Clutch	Recoil	Standard
FH721V-DS24S	25	Super Z	1-1/2" x 100mm	15 amp	Electric	Not included
<b>Exmark</b>						
FJ180V-CS09S	6	Metro 21 BBC and M216KASPC	Special size	Not included	Recoil	Low-tone with guard
FH381V-CS21S	13	Walk behind	1" x 80mm	Not included	Recoil	Standard
FH430V-CS21S	15	Metro, Viking and Turf Tracer HP	1" x 80mm	Clutch	Recoil	Standard
FH541V-CS20S	17	Turf Tracer	1" x 80mm	15 amp	Electric	Standard
FH541V-CS21S	17	Walk behind	1" x 80mm	Clutch	Recoil	Standard
FH680V-FS06S	23	Turf Tracer and Lazer HP	1" x 80mm	15 amp	Electric	Included
<b>Ferris</b>						
FH381V-CS21S	13	Walk behind	1" x 80mm	Not included	Recoil	Standard
FH430V-CS21S	15	Belt drive walk behind	1" x 80mm	Clutch	Recoil	Standard
FH541V-CS21S	17	Dual belt drive	1" x 80mm	Not included	Recoil	Standard
FH721V-DS24S	25	ZTR	1-1/8" x 100mm	15 amp	Electric	Not included
<b>Gravelly/Ariens</b>						
FH541V-CS20S	17	PM 300 hydro	1" x 80mm	15 amp	Electric	Standard
FH721V-DS24S	25	PM260, 272 and 310	1-1/8" x 100mm	15 amp	Electric	Not included
<b>Great Dane</b>						
FH541V-CS20S	17	Chariot Jr. and Super Surfer	1" x 80mm	15 amp	Electric	Standard
FH541V-CS21S	17	Scamper	1" x 80mm	Clutch	Recoil	Standard
FH680V-FS06S	23	Chariot Jr. and Super Surfer	1" x 80mm	15 amp	Electric	Included
<b>Husqvarna</b>						
FH381V-CS21S	13	Walk behind	1" x 80mm	Not included	Recoil	Standard
FH430V-CS21S	15	IZT walk behind and gear drive walk behind	1" x 80mm	Clutch	Recoil	Standard
FH541V-CS20S	17	Consumer 48" Z	1" x 80mm	15 amp	Electric	Standard
FH721V-DS24S	25	ZTR HP	1-1/8" x 100mm	15 amp	Electric	Not included
<b>MTD</b>						
FH381V-CS21S	13	32" and 36" gear drive walk behind	1" x 80mm	Not included	Recoil	Standard
FH430V-CS21S	15	36" hydro and 48" gear drive	1" x 80mm	Clutch	Recoil	Standard
FH541V-CS20S	17	Pro	1" x 80mm	15 amp	Electric	Standard
FH721V-DS24S	25	ZTR	1-1/8" x 100mm	15 amp	Electric	Not included
<b>Scag</b>						
FH430V-CS21S	15	SWZ hydro	1" x 80mm	Clutch	Recoil	Standard
FH541V-CS21S	17	Belt and hydro drive walk behind	1" x 80mm	Clutch	Recoil	Standard
FH580V9CS21S	19	SWZ and SWU walk behind	1" x 80,,	Clutch	Recoil	Standard
FD750D-CS00S	27	Turf Tiger	1-1/8" x 100mm	20 amp	Electric	Standard, low tone
<b>Simplicity</b>						
FD750D-CS00S	27	Legacy GT	1-1/8" x 100mm	20 amp	Electric	Standard, low tone
<b>Snapper</b>						
FH541V-CS21S	17	Pro hydro	1" x 80mm	Clutch	Recoil	Standard
<b>Toro</b>						
FJ180V-CS09S	6	Self-propel 22177	Special size	Not included	Recoil	Low-tone with guard
FJ180V-CS10S	6	HP22175 and SP22176	Special size	Not included	Recoil	Low-tone with guard
FH381V-CS21S	13	T-bar 36" gear drive	1" x 80mm	Not included	Recoil	Standard
FH430V-CS21S	15	44" hydro and gear drive walk behind	1" x 80mm	Clutch	Recoil	Standard
FH541V-CS20S	17	Time Cutter ZX 525	1" x 80mm	15 amp	Electric	Standard
FH541V-CS21S	17	Pistol grip and T-bar hydro-gear walk behind	1" x 80mm	Clutch	Recoil	Standard
FH680V-FS06S	23	ZTR	1" X 80mm	15 amp	Electric	Included
<b>Walker</b>						
FH430V-CS21S	15	Walk behind	1" x 80mm	Clutch	Recoil	Standard
<b>Wright</b>						
FH541V-CS20S	17	ZTR	1" x 80mm	15 amp	Electric	Standard
FH541V-CS21S	17	Stander	1" x 80mm	Clutch	Recoil	Standard

## KOHLER VERTICAL ENGINES

Part #	Shaft Size	Description
<b>18 HP VERTICAL</b>		
PA-61557		Command; muffler not included; electric start; Exmark replacement
PA-27512	1" x 3.17	Recoil start; universal replacement
<b>20 HP VERTICAL</b>		
PA-65514	1" x 3-29/32	Command; Extension exhaust; Scag replacement
PA-65541	1-1/8" x 3-1/4"	Command; Dixie Chopper replacement
PA-57511	5/16" x 1-1/8"	Magnum; Exhaust deflected rear; Scag replacement
PX-57515	1-1/8" x 7-9/32"	Magnum; Scag replacement
PX-57506	1-1/8" x 3-25/32"	Magnum; Dixie Chopper replacement
<b>22 HP VERTICAL COMMAND</b>		
PA-75523	1" x 3-29/32"	Scag replacement
PA-75885	1" x 3-29/32"	Scag replacement
PA-75586	1-1/8" x 3-29/32"	Bobcat ZTR replacement
<b>23 HP VERTICAL COMMAND</b>		
PA-75523	1" x 3-29/32"	Scag replacement
PA-75524	1" x 3.56"	Exmark Turf Ranger/Turf Tracer and Toro replacement
PA-75513	1-1/8" x 3-7/64"	Dixie Chopper replacement
PA-75565	1" x 4"	Great Dane replacement
<b>25 HP VERTICAL COMMAND</b>		
PA-CV730-0031	1-1/8" x 3-29/32"	Bobcat ZTR replacement
PA-CV730-0032	3-1/4"	Dixie Chopper replacement
PA-CV730-0035	4.375"	Muffler not included; Gravely replacement
<b>27 HP VERTICAL</b>		
PA-CV730-0008	1-1/8" x 3.31"	Muffler not included; Dixie Chopper replacement

## KOHLER HORIZONTAL ENGINES

Part #	Shaft Size	Description
<b>16 HP HORIZONTAL</b>		
PX-711562	1-1/2" x 1-25/32"	Magnum
PX-711533	1" x 1-7/16"	Magnum
<b>17 HP HORIZONTAL</b>		
PX-24302	1-1/8" x 2-51/64"	K Series, electric start
PX-24324		Command
<b>18 HP HORIZONTAL</b>		
PA-62623		Command, muffler not included
PA-62500	1-1/8" x 4"	Muffler not included
<b>23 HP HORIZONTAL</b>		
PA-76513		Command
PA-76561		Command; muffler not included
PA-76510		Command
<b>25 HP &amp; 26 HP HORIZONTAL</b>		
PA-CH730-0046	1-7/16" x 4-29/64"	Electric start
PA-CH730-0003	1-1/8" x 2-45/64"	Exmark Lazer Z replacement
PA-CH730-0120		Command
PA-730-0066		Command
PA-CH730-0137	1-1/8" x 2-45/64"	
PA-CH730-0007		Command; muffler not included
PA-CH730-0073		Toro; muffler not included
PA-78518		Command
PA-78522		Command; muffler not included
<b>27 HP HORIZONTAL</b>		
PA-CH740-0045	1.125" x 2.79"	Includes muffler
PA-CH740-0021	1.125" x 3.34"	Includes muffler
PA-CH740-0037	1.125" x 3.35"	Includes muffler
<b>20 HP HORIZONTAL</b>		
PA-64501	1-7/16" x 4-29/64"	Command
PA-64538	1-1/8" x 7-9/32"	Command; right side exhaust, muffler not included
PA-64510	1-7/16" x 4-29/64"	Command
PA-64660	1-1/8" x 7-9/32"	Command; left side exhaust, muffler not included
PX-49544	1-1/8" x 5-5/16"	Magnum
PA-64531		Command; starter, side muffler