



## Kibblewhite Black Diamond Valves

One-piece stainless stellite-tipped steel valves are impregnated with a special German process that develops a surface .002" deep in the valve itself with just .0002" surface build-up to improve wear properties and reduce friction. The surface provides resistance to corrosion and has wear properties superior to hard chromium and nickel-plating. Valves are lightweight with sectional profiles that provide excellent flow characteristics.

**Sold each.**

### For Twin Cam Models 05-14

- 622202** Intake (repl. OEM 18074-05A) 1.805
- 622204** Exhaust (repl. OEM 18085-05B) 1.575
- 622205** Oversize Exhaust 1.630

### For Twin Cam 88 Models 99-04

- 55100** Intake (repl. OEM 18074-83A) also fits Evolution Big Twin models
- 55211** Oversize intake (1.90" head)
- 55212** Exhaust 1.565" (repl. OEM 18085-99)

### For Evolution Big Twins 84-99

- 55100** Intake (repl. OEM 18074-83A) also fits 88 models
- 55101** Oversize intake (1.940" head)
- 55103** High-flow racing intake (1.900" head) 4.400"-long, 28° profile angle
- 55102** Exhaust (repl. OEM 18082-83)
- 55104** High-flow racing exhaust (1.630" head) 4.520"-long, 44° profile angle

### For Shovelhead Motors 66-84

- 55140** Intake (repl. OEM 18074-66)
- 55141** Exhaust (repl. OEM 18082-57)

### For 1200cc Evolution Sportster Models 04-Up

- 622300** Intake 1.805" head (repl. OEM 18690-02)
- 622301** Oversize Intake 1.900" head
- 622302** Exhaust 1.575" head (repl. OEM 18691-02)
- 622303** Oversize Exhaust 1.615" head

### For 1100/1200cc Evolution Sportster Motors 87-03

- 55162** Intake (repl. OEM 18023-87)
- 55163** Exhaust (repl. OEM 18024-87)

### For Sportster Motors 70-85

- 55111** Intake (repl. OEM 18070-70)
- 55114** Exhaust (repl. OEM 18080-58R)
- 55115** Oversize exhaust (1.630" head)
- 55116** XLR exhaust (repl. OEM 18080-70R) .3384" stem, 1.750" head



## Manley 'Race Master' Valve Train Component Kit

Feature Manley 'Race Master' valves, double spring assemblies, steel or titanium top collars and machined keys for maximum performance. These spring kits require no machining for installation.

### Kits for Big Twins from 66-04

- 99275** Kit with steel top collars for cams up to .550" lift when installed in Twin Cam 88 engines from 99-04
- 99213** Kit with steel top collars for cams up to .550" lift when installed in Evolution Big Twin engines from 84-99
- 99214** Kit with titanium top collars for cams from .550"-.650" lift when installed in Evolution Big Twin engines from 84-99
- 99212** Kit with steel top collars for cams up to .495" lift when installed in Shovelhead engines from 66-79
- 99211** Kit with steel top collars for cams up to .495" lift when installed in Shovelhead engines from 80-84

### Kits for Twin Cam Engines from 05-14

All kits include 1.805" intake valves, 1.575" exhaust valves, springs, top and lower collars, and Viton valve seals.

- 699280** Kit with steel collars (.600" lift)
- 699281** Kit with titanium collars (.600" lift)
- 699282** Kit with titanium collars (.650" lift)



## Jims Heavy Duty replacement Stainless Steel Valves

These valves are heat-treated and nitride processed for excellent wearresistance. These valves feature a 45° angle, cut below the lock groove to reduce stress in this area, as well as making valve seal installation easier.

- 696557** Replacement exhaust valve for Shovelhead models 66-84
- 696558** Replacement intake valve for Shovelhead models from 66-84
- 696557** Intake or exhaust replacement valve for Panhead models 48-65



## Manley 'Severe Duty' Valve Train Component Kits

Feature Manley 'Severe Duty' valves, double spring assemblies, steel or titanium top collars and machined keys for maximum performance. These spring kits require no machining for installation.

- 99277** Complete kit with chrome valve stems and titanium top collars for cams up to .650" lift when installed in 84-99 Evolution Big Twins
- 99272** Complete kit with chrome valve stems and titanium top collars for cams with .500-.650" lift when installed in 66-84 Shovelhead engines



## Kibblewhite Black Diamond Specialty Valves

Thin or thick stem, one-piece stainless steel stellite-tipped impregnated valves for Shovelhead models 66-84.

- 55201** Thick stem Intake 1.950" head
- 55202** Thick stem exhaust 1.750" head

### Black Diamond Conversion Valves for Evolution Sportster Models

Use these oversize 1 pc. forged Stainless Steel Black Diamond valves when converting your Evolution 883 cc Sportster model to 1200 cc. Get all the benefits of high-tech, high-quality valves. Sold each.

- 55107** Intake 1.715" head
- 55108** Exhaust 1.480" head

**Sold each.**

### For Sportster models 86-03

- 55107** Intake 1.715" head
- 55108** Exhaust 1.480" head

### For Sportster models 04-14

- 622304** Intake 1.715" head
- 622305** Exhaust 1.480" head



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