

2017

Raider



Raven
\$15,199 MSRP*

TOP FEATURES

1. Form and Function

The Raider® was inspired by the custom chopper movement, but since it's a Star, it had to also handle, stop and go.

2. Kicked-out Front Fork

A 6-degree yoke angle—the first ever on a Star® motorcycle—makes it possible to achieve that custom raked-out look as well as neutral handling and straight-line cruisability combining a 33-degree rake plus 6 degrees yoke angle gives the Raider a total rake of 39 degrees and 102mm of trail.

3. Stylish Custom Wheels

Custom 5-spoke aluminum wheels carry a 120/70 profile, 21-inch tire up front, and a wide, 210/40-18 radial out back—the tallest and widest ever on a Star.

4. Real Steel Fenders

No cheap plastic fenders here—this authentic cruiser has real steel fenders customizers love. Classic belt drive, too.

5. Ready to Customize

Get started on your own customization. The Star® Accessories Catalog is packed full of high-quality parts that invite Star owners to fully express their individuality.

6. Ready to Travel

Estimated 42 mpg* means this cruiser can go the distance between fill-ups.



*Manufacturer's Suggested Retail Price (MSRP) shown. Does not include tax, title, prep or destination charges. Actual prices set by dealer.

FEATURES & BENEFITS

ENGINE

Huge Low-rpm Torque

113-cubic-inch (1854cc) air-cooled, OHV with 4 valves per cylinder, pushrod 48° V-twin pumps out max torque at just 2500 rpm and max power at 4500 rpm for powerful, relaxed cruising.

Stylish Engine

Four pushrod-activated valves and two spark plugs per cylinder provide optimum combustion efficiency along with classically beautiful engine architecture. Special custom machining of the cooling fin edges gives a jewel-like appearance to the engine as light hits it from different angles.

High-tech Internals

Ceramic-composite plated cylinders for superior heat dissipation with forged pistons coated by oil jets. Provides outstanding reliability and longer engine life.

Tuned to Perform

9.5:1 compression ratio and aggressive cam timing increase power output across the board.

Advanced Fuel Injection

Computer-controlled, twin-bore fuel injection monitors multiple engine parameters to calculate perfect mixture under all conditions; wide-angle 12-hole fuel injectors provide excellent atomization.

Stealthy Airbox

A 3.5-liter airbox is hidden in the area below the fuel tank for great performance and clean styling.

Throaty Exhaust

Two-into-one-into-two exhaust with Exhaust Ultimate Power valve (EXUP®) inside boosts torque in the 2500-3500-rpm range.

CHASSIS/SUSPENSION

Aluminum Frame

All-aluminum cast frame is light, rigid and tuned for light, athletic handling. A light, Controlled-Fill, aluminum swingarm casting complements the bike's lithe style.

Secure Riding Position

Low, sculpted seat holds the rider in place, and pullback bars reach back to enforce a casual, urban cruising style.

Kicked-out Front Fork

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Stylish Custom Tires

Custom 5-spoke aluminum wheels carry a 120/70 profile, 21-inch tire up front, and a wide, 210/40-18 radial out back—the tallest and widest ever on a Star.

Plush Suspension

46mm fork tubes serve a sweet appearance and an excellent ride through 5.1 inches of wheel travel. A tucked-out-of-sight single shock out back provides a smooth ride under varying loads.

Generous Fuel Range

Flangeless fuel tank carries a full 4.2 gallons of fuel.

Potent Brakes

Front brake master cylinder with integrated lever operates a pair of 298mm front discs squeezed by strong 4-piston monoblock calipers, with the rear 310mm disc gripped by a floating single-piston caliper, for excellent power and feel.

Clean Belt Drive

Strong, light and narrow belt final drive contains embedded carbon fiber for even greater strength.

Hidden Wiring

Wiring harness uses super-slim wires for compactness and lighter weight, and switchgear wiring is routed inside the handlebar for a clean appearance.

ADDITIONAL FEATURES

Peerless Quality

Jewel-like fit and finish, and Star® quality paint, chrome and attention to detail are evident all over the Raider.

Tank-mounted Instruments

Cool, tank-mounted instrumentation complements the custom look, and contains analog speedometer and fuel gauge, along with twin digital trip meters, odometer, clock, adjustable brightness and self-diagnostics.

Excellent Lighting

Bright multi-reflector headlight, LED taillight, and custom amber LED turn signals behind clear lenses give a custom look. A right-thumb activated accessory driving light switch is ready for accessory lighting, too.

Clean Running

O2 sensor and three-way catalyst reduce emissions.

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For Accessories, visit shop.yamaha.com

SPECIFICATIONS:

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|---------------------------------|---|
| Engine Type | 113-cubic-inch (1854cc) air-cooled OHV V-twin; 8 valves |
| Bore x Stroke | 100.0mm x 118.0mm |
| Compression Ratio | 9.5:1 |
| Fuel Delivery | Electronic fuel injection |
| Ignition | TCI: Transistor Controlled Ignition |
| Transmission | 5-speed; multiplate wet clutch |
| Final Drive | Belt |
| Suspension / Front | Telescopic fork; 5.1-in travel |
| Suspension / Rear | Swingarm; 3.5-in travel |
| Brakes / Front | Dual hydraulic disc, 298mm |
| Brakes / Rear | Hydraulic disc, 310mm |
| Tires / Front | 120/70-21 |
| Tires / Rear | 210/40-18 |
| L x W x H | 101.2 in x 36.4 in x 45.9 in |
| Seat Height | 27.4 in |
| Wheelbase | 70.9 in |
| Rake (Caster Angle) | n/a |
| Trail | n/a |
| Maximum Ground Clearance | 5.7 in |
| Fuel Capacity | 4.2 gal |
| Fuel Economy** | 42 mpg |
| Wet Weight*** | 734 lb |
| Warranty | 1 Year (Limited Factory Warranty) |
| Color | Raven |

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*** Wet weight includes the vehicle with all standard equipment and all fluids, including oil, coolant (as applicable) and a full tank of fuel. It does not include the weight of options or accessories. Wet weight is useful in making real-world comparisons with other models.