bajadesigns

High Performance Offroad Lighting

we'd rather be riding, driving and racing.

The people behind Baja Designs Live and Breathe off-roading and our products reflect that passion. Our engineers have finished the grueling Baja 1000 more than 15 times, both on a bike in the competitive pro class and in class 16 and class 1 cars. We also take numerous multi-day Dual Sport trips throughout the year. In fact, you never know where in the world we will show up on our motorcycles, ATVs, UTVs, and buggies. Our engineers are well-known throughout the industry as being the gurus of off-road lighting. Since we are in Southern California, we are able to test with all of the factory motorcycle teams along with some of the biggest names in the truck and buggy classes. We constantly use racer feedback and our own vast experience to develop the best off-road products on the planet. Thank you for sharing our passion for off-roading.

TABLE OF CONTENTS

All lights are not created equal.

Lights that work well on a street vehicle are not necessarily best for off-road conditions. Off road vehicles have more body pitch, more suspension travel, more vibration, and face more varied terrain. Other lighting manufacturers offer "off-road" lights that were designed for use on the street or simple dirt roads. Baja Designs lights were created for extreme off-road terrain and driving conditions. **The design of the optics is the most important factor in an off-road light.**

LIGHT OUTPUT VS. LIGHT DISTRIBUTION

Don't be mislead by lights that are rated by brightness (candlepower). Candlepower ratings only measure light from a single point within a beam of light, not an overall light pattern. A tightly focused beam of light may rate very high in candlepower but since that light only falls on a very small area the light will be less than useful. For instance, a laser pointer has a very high candlepower rating while providing very little usable light.

A light's candlepower or lumens measurement is worthless if the illumination is not where you need it.

The most effective off-road light will provide smooth light distribution without Sharp Cut-Offs or Hot Spots.

- A "Sharp Cut-Off" is where the light drops off dramatically creating a harsh line between light and darkness. This can be very fatiguing to the eyes over long periods of time.
- A "Hot Spot" is an intense concentration of light in a small area. Hot spots can be very distracting while driving off road because your eyes tend to focus on just that bright spot of light bouncing in front of you.

No other manufacturer offers the off-road specific light distribution patterns that Baja Designs does.

Comparison provided by Jon Crowley DuneGuide.com
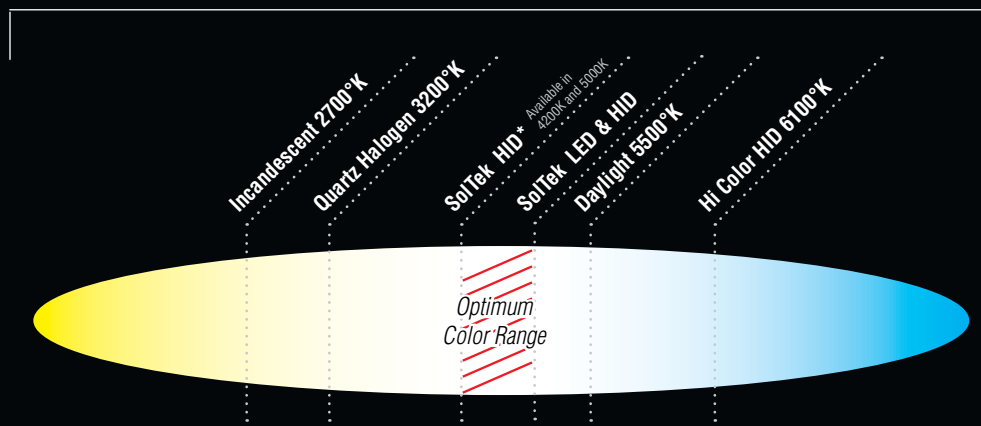
Rhino with Stock Lights

Stock Light + 2 Fuego HID Driving

Stock Light + 2 Fuego HID Driving and 2 Fuego HID Wide Cornering

LIGHT COLOR

The color of emitted light, or "Color Temperature" is rated in Degrees Kelvin. The most usable light for the human eye is sunlight, which is rated at 4000K-5500K. Don't be fooled by lights offering higher temperatures than this – they tend toward the blue spectrum, which is only good for a "cool looking" light. 6100K and higher bulbs produce fewer lumens than the 4200K bulbs and are less usable to the human eye.

Incandescent 2700°K
Quartz Halogen 3200°K
SolTek HID * Available in 4200K and 5000K
SolTek LED & HID
Daylight 5500°K
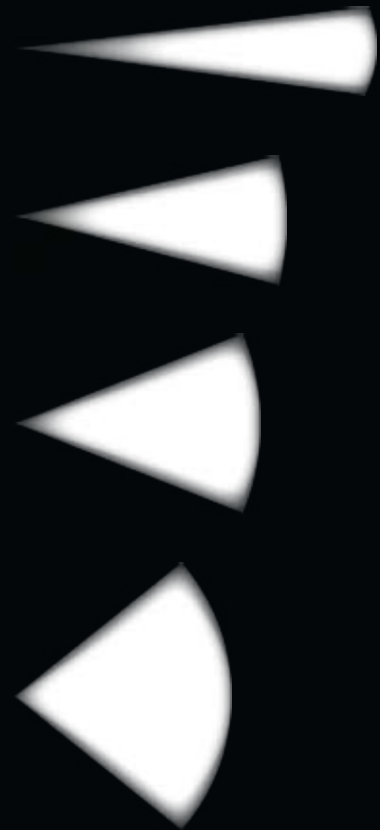Hi Color HID 6100°K

Optimum Color Range

BEAM PATTERN TYPES

Pencil or Spot Beams provide a longer and narrower beam that focuses the pattern farther down the trail. These lights are designed to be used in conjunction with other wider beam patterns. Pencil beams come with a 10° wide pattern that can be widened by 4° if desired.

Driving Beams offer better peripheral vision than the Spot while maintaining good distance projection. They can be used alone or with other beam patterns to create an excellent light system. Driving beams have a 20° pattern.

Wide-Driving Beams are slightly wider than a Driving beam and are good for trail riding or filling in spots closer to the vehicle. They can be used alone or with other beam patterns to create an excellent light system. Wide-Driving beams have a 28° pattern.

Wide-Cornering or Fog Beams are the widest and most evenly distributed light pattern of the bunch. These beams are used for lighting the ground close and to the sides of the vehicle and are great for turns and twists on the trail. In addition, this beam is great in dusty or foggy conditions. Due to its low and wide angle of dispersion, this beam should always be used in conjunction with other beams to provide the best possible lighting effect. Wide-Cornering beams have a 42° pattern.

LIGHT SOURCES

Baja Designs offers lights with Halogen, HID, and LED light sources. We adjust the focal points of the bulbs to optimize the light distribution.

Halogen Lights, like conventional incandescent lights, use bulbs with a filament. The major difference is that Halogen bulbs are filled with a pressurized gas to prolong the life of the filament and allow it to burn at a higher and brighter temperature. They have a color temperature of around 3200K, which makes them appear more yellow in color than sunlight or HID light.

HID (High Intensity Discharge) lighting is a quantum leap forward in off-road illumination. HID lamps produce daylight quality light (4200K) and brightness (3200 lumens). A single HID bulb produces the equivalent of 250 watts of Halogen lighting power, while consuming only about 45 total watts of electricity and generating far less heat. Instead of a filament, HID bulbs fire a charge between two electrodes encased in a Xenon gas filled bulb. Since the bulb has no filament, vibration does not affect its operating life of approximately 2000 hours. Baja Designs uses Osram Sylvania's latest Generation 5 HID ballast and bulb with integrated igniter. The Generation 5 ballast and bulb are smaller, lighter, and more reliable than the older components used by most other manufacturers. Baja Designs mounts all HID components inside a protective back cover to allow quick and easy installation and to protect components.

LED (Light Emitting Diode) lighting has been around for years but is new to the forward lighting off-road scene. Recent advances in technology have made it possible to produce high-output LEDs capable of reaching the performance and pricing of HID lighting. These lights have an extensive life (approx. 100,000 hrs.) and are very resistant to vibration. The benefits of LED lighting include smooth, even light patterns and the possibility of making the light assemblies in many varying sizes and shapes.
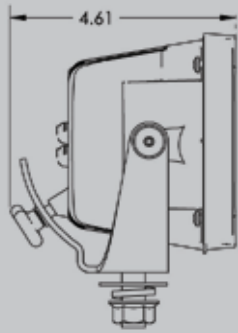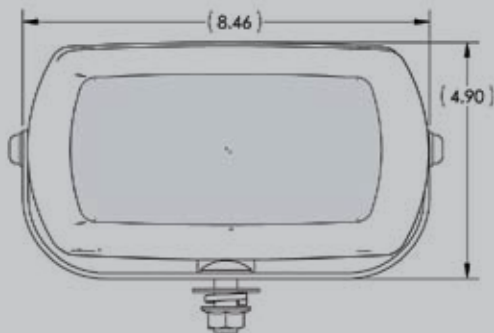
SOL TEK
LIGHT SYSTEMS
by baja designs

LED GEND
HID Performance and Price, Longer Lifespan!

- 5000K Kelvin Temperature for natural day time light
- 18 LEDs for smooth light coverage
- 20,000-50,000 hour life expectancy (compared to 3,000 for HID bulbs)
- Unparalleled vibration and shock resistance
- Race inspired optics available in four patterns: Spot, Driving, Cornering, Flood
- 4 pounds and 3 ounces
- Constant draw is easy on your electrical system (no spikes like HID)
- Patented "Aim-N-Go" feature allows for tool-less adjustment that takes just moments
- Replaceable built-in rock guard protects against anything you can throw at them
- 2 wire hook-ups make for easy installation (waterproof connectors provided)

Universal Mounting Clamp
Great for secure mounting on roll cage, tube lightbar or tube bumpers
1.50"   Part #61-3451
1.75"   Part #61-3452

HID LEDgend Lights	
Part #	Description
62-0200	Driving, Black
62-0205	Spot, Black
62-0210	Wide-Driving, Black
62-0180	UTV Lighting Kit
62-0190	ATV Lighting Kit

COMPREHENSIVE
3 YEAR
WARRANTY

Kent Kroeker
SCORE Champion (KORE Racing)

"This new technology from Baja Designs has changed the way I look at night racing. It's like having a secret weapon."
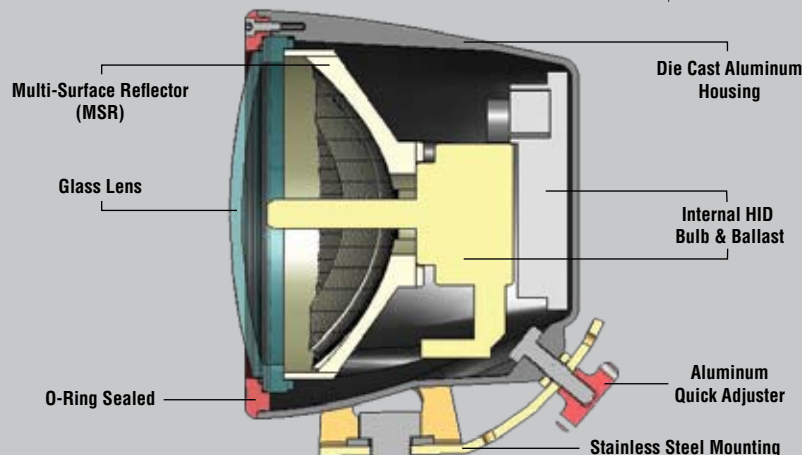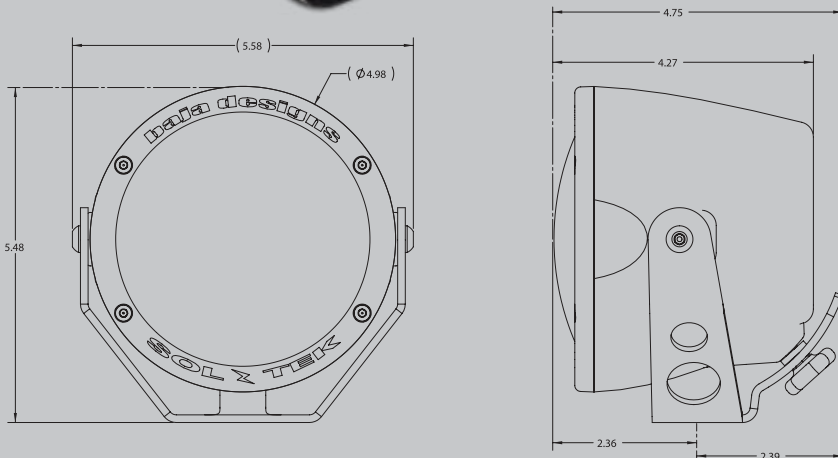
FUEGO

Minimum Space, Maximum Performance.

SOL TEK
LIGHT SYSTEMS
by baja designs

LIMITED LIFETIME WARRANTY

4 INCH LIGHTS

- Four different light patterns available to create the perfect lighting system for your vehicle.
- Integrated 35w or 50w ballast (HID versions.)
- Halogen Fuegos are available in both 55w & 100w versions. Can be upgraded to HID.
- Patented 3-point mounting system isolates the light from vibration.
- "Aim-n-go" toolless angle adjustment.
- Can be mounted upside down without compromising the pattern by simply rotating the reflector in its backing.
- Durable aluminum body. Matte black or chrome finishes available.
- Red and blue front rings available separately.
- Clear lexan rock guards available.
- Compact size maximizes potential mounting locations.
- 2 wire hook-ups make for easy installation (waterproof connectors provided)

See pages 8-10 for vehicle-specific Fuego Kits.
See page 11 for Fuego Accessories.

50w HID Upgrade
Part# 60-1420

HID Fuego Lights	
Part #	Description
61-3275	Spot, Black
61-3276	Driving, Black
61-3281	Wide-Driving, Black
61-3277	Wide-Cornering, Black
61-3278	Spot, Chrome
61-3279	Driving, Chrome
61-3282	Wide-Driving, Chrome
61-3280	Wide-Cornering, Chrome
Halogen Fuego Lights (100w)	
61-3285	Spot, Black
61-3286	Driving, Black
61-3283	Wide-Driving, Black
61-3288	Spot, Chrome
61-3289	Driving, Chrome
61-3284	Wide-Driving, Chrome
Halogen Fuego Lights (55w)	
61-3291	Spot, Black
61-3292	Driving, Black
61-3310	Wide-Driving, Black
61-3293	Spot, Chrome
61-3294	Driving, Chrome
61-3311	Wide-Driving, Chrome

See Page 11 for Accessories.

5.58
Ø 4.98
5.48

4.75
4.27
2.36
2.39

Multi-Surface Reflector (MSR)

Glass Lens

O-Ring Sealed

Die Cast Aluminum Housing

Internal HID Bulb & Ballast
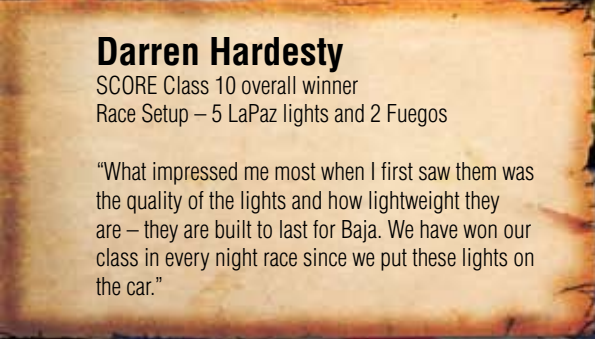
Aluminum Quick Adjuster

Stainless Steel Mounting

Darren Hardesty

SCORE Class 10 overall winner
Race Setup – 5 LaPaz lights and 2 Fuegos

"What impressed me most when I first saw them was the quality of the lights and how lightweight they are – they are built to last for Baja. We have won our class in every night race since we put these lights on the car."

Malcolm Smith

Off-road motorcycle racing pioneer, legendary Baja 1000 and International Six Day Enduro Champion

"Baja Designs has been very good to us, and has worked closely to help with our lighting needs. Baja Designs' lights are better for off-road racing than anyone else's because they have the best light output and are durable. The quality of the light output is excellent for off-road driving. The design is kept simple, and it's lightweight, so the lights are reliable, and help keep vehicle weight down. Another great feature of Baja Designs' lights is that they have a quick adjustment, making them easy to aim. You can tell Alan Roach used his experience to develop these lights. My son, as well as myself, trust Baja Designs' lights."

Clockwise from Top Left:
Fuego Single Mounting Clamp with A-Pillar Mounting Bracket (see Page 11) • Modular Light Bar (all Fuego) • ATV Dual Fuego Light Kit with Optional Baja Guard & Red Rings • Fuego & La Paz Singles Mounted on Pre-run Buggy • Motorcycle Dual Fuego Light Kit with Optional Baja Guard & Red Rings

UTV | Dual Fuego Light Kits

Dual Fuego Light Kit For UTVs	
Part #	Description
61-1064	HID, Black
61-1066	HID, Chrome
61-1060	Halogen, Black
61-1062	Halogen, Chrome

   If you've ever driven after dark with stock UTV headlights you know how poorly they perform. Baja Designs has the solution for significantly improving your UTV lighting system - the Dual Fuego Light Kit.

   Mounted to either the front bumper or the side A-pillars, the Fuegos compact size and awesome performance makes them a perfect choice for UTVs. Our provided wiring harness has enough length to accommodate either mounting location with no modifications.

   Note that mounting tabs/brackets are not provided. For optional bumper or A-pillar mounting solutions, see page 11.

The Fuego UTV kit includes:
• Two Fuego HID or two Fuego Halogen (55w) lights.
• HID kit includes one Driving and one Wide-Cornering Fuego. Halogen kit includes one Driving and one Wide-Driving Fuego.
• Complete wiring harness with 30-amp relay and waterproof on/off switch. Wiring harness has connections to accommodate two lights.

the next generation of performance lighting technology is here!

Above: UTV Dual Fuego Light Kit - Attached Using Welded Bumper Tabs.

Right: UTV Dual Fuego Light Kit - Attached Using Single Fuego Mounting Clamps (see Page 11.)

1 First, decide if you want to run the Halogen set-up or the super-bright HID set-up.

Dual Fuego Light Kit For ATVs	
Part #	Description
61-3295	Halogen, Black
61-3296	Halogen, Chrome
61-3297	HID, Black
61-3298	HID, Chrome

2 Next, using the application chart to the left, find out which mounting bracket you need for your particular ATV.

Dual Fuego Mounting Brackets For ATVs	
Part #	Description
61-3464	0" Drop, Narrow
61-3473	1" Drop
61-3470	0" Drop, Standard Width
61-3471	2 ½" Drop
61-3472	4" Drop

3 Lastly, decide whether you want the standard pedestal mount or the full protection of the Baja Guard.

Dual Mount For ATV's	
Part #	Description
61-3300	Dual Mount - Baja Guard
61-3300-BK	Dual Mount - Baja Guard (Black)
61-3305	Dual Mount - Standard

ATV | Dual Fuego Light Kits

The Fuego ATV kit is a true race-ready lighting system for electric start ATV's. The Fuego kit turns with the steering by attaching to the handlebar clamps (both stock & aftermarket) of most popular ATV models using gusseted, application-specific brackets.

No fabrication is necessary. The provided wiring harness simply attaches to the battery and easily installs within minutes with our detailed installation instructions. We also provide a handlebar mounted thumb switch that gives you the option to run with both lamps turned off, with one lamp on, or with both lamps on.

The Fuego ATV kit includes:
- Two Fuego HID or two Fuego Halogen (55w) lights.
- Both HID and Halogen kits include one Driving and one Wide-Driving Fuego.
- Complete wiring harness with handlebar mounted three-position thumb switch (off/single light/both lights)Wiring harness has connections to accommodate two lights.

ATV LIGHTING KIT APPLICATION CHART

HONDA	Mounting Bracket
TRX700R	#61-3471 (2.5" Drop)
TRX400R	#61-3472 (4" Drop)
TRX450R Kickstart	#61-3472 (4" Drop)
Note: Requires Battery for Dual HID	
TRX450R Electric Start	#61-3472 (4" Drop)

KAWASAKI	Mounting Bracket
KFX700	#61-3473 (1" Drop)

SUZUKI	Mounting Bracket
LTZ400	#61-3470 (0" Drop)
LTZ450R	#61-3470 (0" Drop)

YAMAHA	Mounting Bracket
YFZ450F	#61-3472 (4" Drop)
Note: Requires Stator Modification and Aftermarket Reg (#12-2004)	
Banshee 350	#61-3464 (0" Drop-Narrow)
Note: Requires Aftermarket Stator & AC Reg for Dual Halogen (#12-2002). Requires Aftermarket Stator & DC Charging System for Dual HID (call for part numbers).	
Raptor 350/660	#61-3464 (0" Drop-Narrow)
Raptor 700	#61-3473 (1" Drop)
Note: Partially Obscures Stock Gauges.	

Above: ATV Dual Fuego Light Kit with Optional Baja Guard

Left: ATV Dual Fuego Light Kit with Standard Base Mount & Optional Red Rings

MOTORCYCLE | Dual Fuego Light Kits

The Fuego Motorcycle kit is a true bolt-on, plug-in race quality lighting system for motorcycles. At only 7 lbs for HID and 6lbs for Halogen, the Fuego kit attaches to any size fork tubes using rubberized clamps and powder coated brackets.

No fabrication is necessary. The provided wiring harness easily installs within minutes with our detailed installation instructions. Our provided handlebar mounted thumb switch gives you the option to run with both lamps turned off, with one lamp on, or with both lamps on. It even has a space saving built-in kill function that you can connect in place of the stock kill button.

The Fuego Motorcycle kit includes:
• Two Fuego HID or two Fuego Halogen (55w) lights.
• Both HID and Halogen kits include one Driving and one Wide-Driving Fuego.
• Complete wiring harness with handlebar mounted three-position thumb switch (off/single light/both lights)Wiring harness has connections to accommodate two lights.
• Fork tube mounting bracketry.

MOTORCYCLE LIGHTING KIT APPLICATION CHART

HONDA	Notes
CRF450X	Stator wind, aftermarket regulator
XR650R	Stator wind
CR 2-Stroke	External stator

HUSQVARNA/HUSABERG	Notes
2-Stroke	Must have rewound K-3 stator
4-Stroke	Must have rewound K-3 stator & aftermarket regulator

KAWASAKI	Notes
KLX250/300	Stator wind
KLX400E	--
KX 2-Stroke	External stator

KTM	Notes
2-Stroke	Must have rewound K-3 stator
4-Stroke	Must have rewound K-3 stator & aftermarket reg

SUZUKI	Notes
DRZ400E	--
RM 2-Stroke	External stator

YAMAHA	Notes
WR 250/400/426F	Must have stator from '00-'02 WR
WR 250/450F Elec. Start	Stator mod & aftermarket reg
YZ 2-Stroke	External stator
YZF 4-Stroke	External stator ('98-'05 only) or '00-'02 WR Stat/Flywheel/CDI ('98-'02 YZF only)

1 First, decide if you want to run the standard halogen set-up or the super-bright HID set-up. The kit includes the two lamps, the fork-tube brackets & clamps, wiring harness, & handlebar switch.

Dual Fuego Light Kit For Motorcycles

Part #	Description
61-1072	Dual Halogen Kit - Electric & Kick Start Models**
61-1070	Dual HID Kit - Electric Start models
61-1074	Dual HID Kit - Kick Start models

2 Then, just decide whether you want the standard pedestal mount or the full protection of the Baja Guard.

Dual Mount For Motorcycles

Part #	Description
61-3300-BK	Dual Mount - Baja Guard (BLK)
61-3300	Dual Mount - Baja Guard
61-3305	Dual Mount - Standard

KIT NOTES:
*Because of possible routing issues, a longer front brake hose may need to be installed when running this kit on motocross bikes.
**The Dual Halogen Fuego Kit for kickstart bikes does not include an AC voltage regulator. Depending on application, one or two additional AC voltage regulators may be necessary.

Above: Motorcycle Dual Fuego Light Kit with Optional Baja Guard & Red Rings

Right: Motorcycle Dual Fuego Light Kit (kick-start) with Optional Baja Guard

Single Fuego Mounting Clamps
These two-piece clamps are made of billet aluminum and can secure a single Fuego light anywhere on your vehicle without the hassle of welding. This innovative low profile design will work with all 1.5" (61-3461) and 1.75" (61-3462) tubing.

A-Pillar Fuego Mount
When used in conjunction with our Fuego mounting bracket, our billet A-pillar bracket allows you to easily attach a Fuego light to this area of the vehicle, inside or outside the tube, with no welding required. The A-pillar bracket is adjustable so the light can be pointed at almost any angle. All stainless steel mounting harware is provided. Part# 61-3454

Universal Mounting Clamp
Great for secure mounting on roll cage, tube lightbar or tube bumpers
1.50"   Part #61-3451
1.75"   Part #61-3452

Fuego Rock Guard
Durable clear cover offers great protection from rocks and roost. Presses on and stays on. Part# 62-0035

Wiring Harness, Fuego UTV
Wire lengths are tailored for the smaller size of a Utility vehicle. Comes with on/off toggle switch and relay. Attaches directly to the vehicle's battery to power two Fuego or LaPaz lights. Part# 61-1057

Wiring Harness, Fuego ATV – Electric Start Models
Works with all late-model Electric Start ATVs. Attaches directly to the vehicle's battery to power two Fuego or LaPaz lights. Includes handlebar mounted control switch. Part# 61-1055

Wiring Harness, Fuego Motorcycle – Electric Start Models
Works with most late-model Electric Start motorcycles. Some models require stator rewind or modification and aftermarket voltage regulator. Attaches directly to the vehicle's battery to power two Fuego or LaPaz lights. Includes handlebar mounted control switch. Part# 61-1053

Handlebar Control Switch – ATV & Motorcycle
Replacement for switch included in part #61-1055 & #61-1053. Part# 12-9022

Toggle Switch
Replacement for switch included in part #61-1057. Part# 12-9008

Relay 30amp
Replacement for relay included in part #61-1057. Part# 12-9021

Fuego Ring Red
Part# 62-0012

Fuego Ring Blue
Part# 62-0036

ATV & Motorcycle Standard Mount
Part #61-3305

ATV & Motorcycle Baja Guard Mount
Part #61-3300-BK (Black)
Part #61-3300

LaPaz

No compromise.

SOL TEK LIGHT SYSTEMS™
by **baja designs**

8 INCH LIGHTS

- Both Spot and Driving patterns were designed specifically for off-road use.
- Integrated 35w or 50w ballast (HID versions.)
- Halogen La Paz's include a 100w bulb that can be upgraded to HID.
- Patented 3-point mounting system isolates the light from vibration.
- "Aim-n-go" toolless angle adjustment.
- Protected by black powdercoated chromoly frame.
- High impact sealed plastic backing protects electronics housed inside.
- Can be mounted upside down without compromising the pattern by simply rotating the reflector in its backing
- Light weight - under 5lbs.
- Optional lear lexan, amber, & black rock guards available.
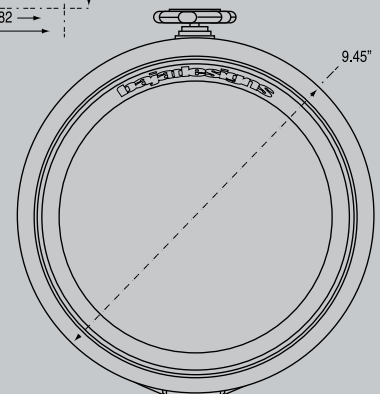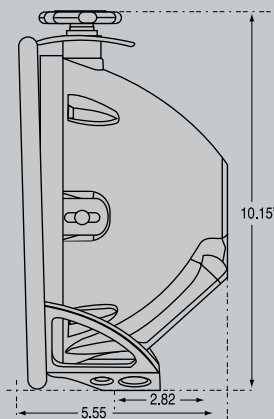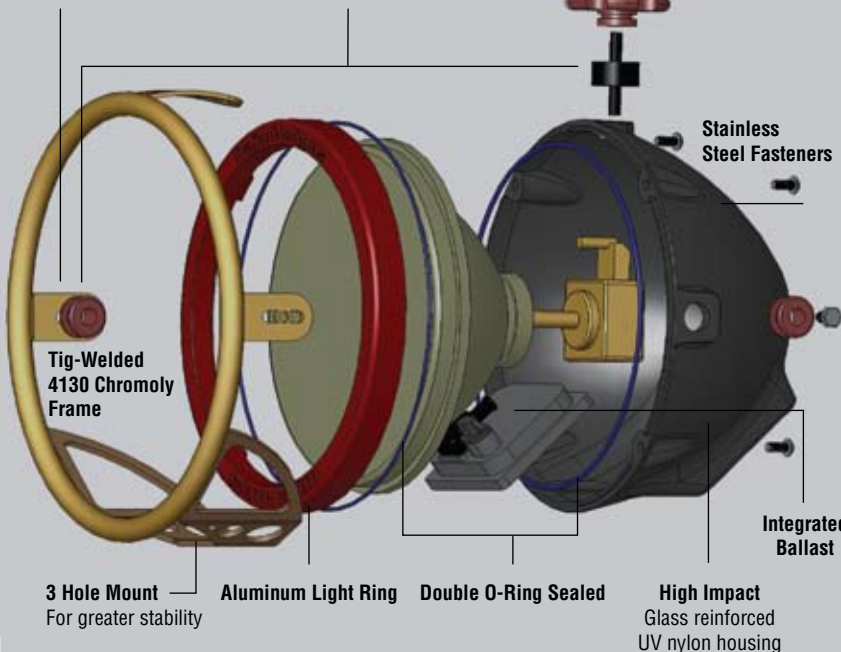- 2 wire hook-ups make for easy installation (waterproof connectors provided)

La Paz Single		
	Driving	Spot
HID Black	61-3241	61-3240
Halogen Black - 100w	61-3231	61-3230
HID Upgrade (for existing halogen LaPaz)	61-3270	
50w Ballast Upgrade (must be purchased at time of light order)	60-1420	

50w HID Upgrade
Part# 60-1420

Center Mounting System
Eliminates the tendency for lights to vibrate out of adjustment

Vibration Isolated
To prolong the life of the bulb and ballast

Aluminum Quick Adjuster
Tool-less rapid adjustments

Stainless Steel Fasteners

Tig-Welded 4130 Chromoly Frame

Integrated Ballast

3 Hole Mount
For greater stability

Aluminum Light Ring

Double O-Ring Sealed

High Impact
Glass reinforced UV nylon housing

10.15"
5.55
2.82
9.45"

Clockwise from Top Left:
ATV Dual La Paz Light Kit •Motorcycle
La Paz Single • La Paz & Fuego Single
Lights •All German Auto Class 1 Car with
La Paz Singles & 4 Light Bar

Martin Christensen
All German Racing
Multi-time SCORE winner and Baja 1000 Class Champion

"Baja Designs' lights are way better than other off-road lights. The patterns, integrated ballast and tool-less adjustment are well thought out. Baja Designs also provides me with unheard of field service and has worked directly with me to set up my lights. There is a direct connection between the designer and the end-user that other lighting companies can't offer."

ATV | 8" Light Kits

Whether you are racing in Baja or ripping through the dunes, LaPaz 8" lights are the way to go. Our dual 8" lights have been used to win nearly every motorcycle and ATV class in the Baja 1000 and the victories don't stop there.

The LaPaz dual light kits come as a standard bolt-on set-up, or a quick-release racing set-up that uses the same light frames as the dual and single motorcycle racelights. ATV Dual LaPaz Kits include one Driving and one Spot beam. The main mounting brackets attach to the vehicle using model specific mounting kits and the lights are then attached to the main bracket.

1 First decide whether you want Halogen or HID lighting, and whether you want the lights to bolt on or to have the quick-release racing option. The LaPaz 8" light kit includes the main mounting bracket, lights, and a plug-and-play wiring harness complete with switching. Most models require little or no modifications and the wiring requires no crimping or splicing to install.

2 Next look up your make and model in the application chart and purchase the mounting kit. The mounting kit comes with all the necessary hardware and additional bracketry to mount your dual light set-up.

La Paz Dual 8" Light Kits	
Part #	Description
62-0150	Halogen, Standard Mounting
62-0152	HID, Standard Mounting
62-0154	Halogen, Quick Release Mount
62-0156	HID, Quick Release Mount

APPLICATION CHART - MOUNTING BRACKETS

HONDA
TRX 450 Kickstart & Electric Start 62-0174
KAWASAKI
KFX 450 62-0176
SUZUKI
LTZ 450..62-0174
YAMAHA
Raptor 700...62-0170
YFZ 450 (Needs stator mod. and rectifier/regulator)......62-0172

50w HID Upgrade
Part# 60-1420

Above: ATV Dual La Paz Quick Release Light Kit

Right: ATV Dual La Paz Light Kit (Standard Mount)

Single 8" Lights (Halogen wattage based on model)	
Part #	Description
61-0005	Single Halogen (55w or 100w)
61-0010	Single HID for Kick-start models
61-0011	Single HID for Electric-start models

Double 8" Lights (Halogen wattage based on model)	
Part #	Description
61-0006	Double Halogen (55w or 100w)
61-0012	Double HID for Kick-start models
61-0013	Double HID for Electric-start models

BATTERY POWER KITS
NO STATOR REQUIRED!
See Page 29

MOTORCYCLE | 8" Light Kits

If you're a serious night rider or racer who wants nothing but the best possible lighting system for your bike, look no further. The Baja Designs 8 inch racelight has long been the industry standard in offroad motorcycle lighting.

LaPaz lights excel in every terrain! Single lights include a Driving beam pattern and can be used for anything from tight trails to fast fire roads with speeds up to 80mph. Weighing only 4 ½ lbs for Halogen and 5 ½ lbs for HID, these lights are the perfect all around light.

Double lights include one Driving and one Spot beam and are good for very fast fire roads or wide-open desert riding. The weight of these lights is 8 ½ lbs for Halogen and 10 lbs for HID, and their high-speed performance cannot be beaten. Baja Designs Double race lights are the premier lights for desert racing and have been used to win nearly every motorcycle and ATV class in the Tecate SCORE Baja 1000.

- Optics optimized for a motorcycle's suspension travel
- Universal quick-release mounting system allows the light to be transferred easily between multiple bikes
- Anodized aluminum receivers
- Lights can be aimed on the fly with patented three-point mounting system

MOTORCYCLE 8" LIGHT KIT APPLICATION CHART

HONDA	Lights (Notes)
CRF250R/CRF450R	Single Halogen-55watt (1 and aftermarket flywheel)
CRF250X	Single HID (1,4)
CRF450X	Single Halogen-100watt (1,4)
	Single HID (1,4)
	Double Halogen-55/55watt (1,4)
	Double HID (1,4)
XR400/XR600 '91-'00/	Single Halogen-55watt (Stock Stator)
XR650R	Single Halogen-100watt (1 or 3)
	Single HID (1 or 3)
	Double Halogen-100/100watt (1 or 3, 5)
	Double HID (1 or 3)

HUSQVARNA/HUSABERG	Lights (Notes)
2-Stroke w/K3 Stator	Single Halogen-55watt
	Single Halogen-100watt (1)
	Single HID (1 or 2)
	Double HID (1)
4-Stroke Electric Start '03-'07	Single Halogen-55watt (Stock Stator)
	Single HID (1 or 2, 4)
	Double HID (1,4)

KAWASAKI	Lights (Notes)
KLX400E Electric Start	Single Halogen-100watt
	Single HID
	Double Halogen-55/55watt
	Double HID
KLX450R	Single Halogen-55wt (1,4)
	Not recommended for tight trails.
	Single HID (1,4)
KX250F/KX450F	Single Halogen-55wt (3,5)

KTM	Lights (Notes)
2-Stroke EXC/MXC/XC/XC-W/SX & 4-Stroke SX/SMR (Kickstart) (Must have K3 Stator)	Single Halogen-55watt (Stock Stator)
	Single Halogen-100watt (1)
	Single HID (1 or 2)
	Double HID (1)
4-Stroke Electric Start	Single Halogen-55watt (Stock Stator)
EXC/MXC/XC/XC-W	Single HID (1 or 2, 4)
	Double HID (1,4)

SUZUKI	Lights (Notes)
DRZ400E Electric Start	Single Halogen-100watt
	Single HID
	Double Halogen-55/55watt
	Double HID
RMZ250	Single Halogen-55watt (3,5)

YAMAHA	Lights (Notes)
YZ250F/400F/426F '98-'02 (Must have '00-'02 WRF Stator, Flywheel & CDI)	Single Halogen-100watt (5)
	Single HID
	Double HID
WR400F '98-'99	Single Halogen-55watt (Stock Stator)
WR250F/400F/426F '00-'02	Single Halogen-100watt (Stock Stator)
	Single HID
	Double HID
WR250F/450F '03-'07	Single Halogen-55wt (Stock Stator)
	Single HID (2,4)
	Double HID (2,4)

NOTES
(1) – Needs Stator Wind.
(2) - Needs Stator Modification.
(3) – Needs Aftermarket Stator.
(4) – Needs BD Rectifier/Regulator #12-2004.
(5) – Needs AC Regulator.

Left: Motorcycle Dual La Paz Light Kit
Below: Motorcycle Single La Paz Light Kit

Johnny Campbell
Honda America Motorcycle Team, 9-Time Baja 1000 Champion

"Baja Designs is the premier off-road racing light. There is lots of usable light, and they have great distance for high-speed. The lightweight and compact design lets us mount the lights in the center of the bike – helping us maintain the center of gravity – which increases handling. No other lighting company has worked so closely with us, they are very hands-on. Baja Designs is not just another lighting company, they are a valuable resource."

Innovative – No fabrication required.

LAPAZ LIGHT BAR

SOL TEK
LIGHT SYSTEMS
by **baja designs**

- Each light (including ballast) are pre-wired and rubber mounted to a light weight tig-welded 4130 chromoly frame.
- The frame mounts to your vehicle using heim jointed strut rods and easy mount billet clamps or weld on tabs.
- Light bar removes or installs in about 30 seconds via 4 quick mount pins and a quick connect wiring harness (after initial installation).
- Halogen or HID lights available.
- Frames available in chrome, black powder coat, or raw for custom painting.
- Available in any combination of driving and pencil beams - 3 to 5 lights.
- Weld-on versions also available (no strut rods or mounting hardware are included). Optional heim kits and actuators available. Standard 18" strut rods (12" available).

Pre-wired for no-hassle installation.

Lightweight. A 4 light HID system weighs just 21 lbs. 3 oz.

Tig welded chromoly frame for strength and durability.

Heim Jointed Strut Rods
Allows flexible mounting locations.

Aluminum Quick Adjuster
Allows tool-less rapid adjustments.

Vibration Isolated
To prolong the life of the bulb and ballast.
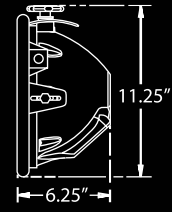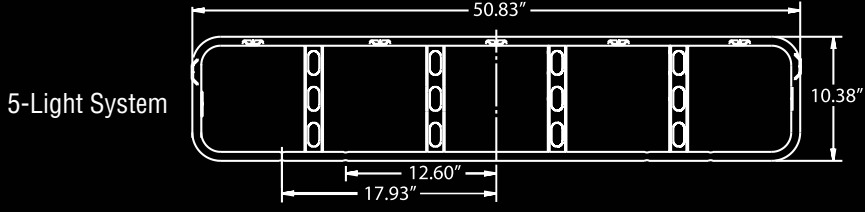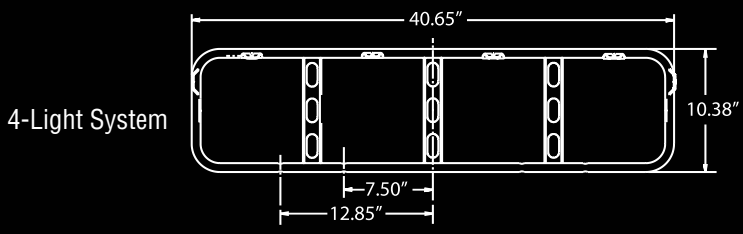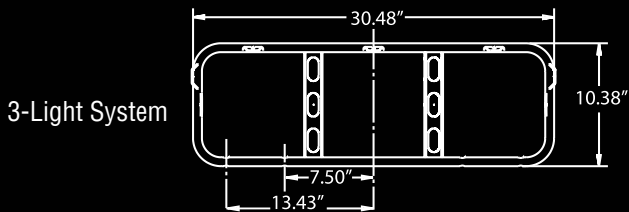

Optional Billet Aluminum Clamps
No welding or fabrication required on 1.5" or 1.75" tube frames. Weld-on tabs available.

Universal Mount System
4 pin locations make this system ideal for any application

50w HID Upgrade
Part# 60-1420

LaPaz Light Bar Dimensions

3-Light System
30.48"
10.38"
7.50"
13.43"

4-Light System
40.65"
10.38"
7.50"
12.85"

5-Light System
50.83"
10.38"
12.60"
17.93"

11.25"
6.25"

LaPaz Light Bar Part Numbers			
	3-Light Bar	4-Light Bar	5-Light Bar
Quick Mount HID-Black	61-3215	61-3220	31-3225
Quick Mount HID-Chrome	61-3217	61-3222	61-3223
Quick Mount Halogen-Black	61-3195	61-3200	61-3205
Quick Mount Halogen-Chrome	61-3197	61-3202	61-3206
Weld-On HID	61-3175	61-3180	61-3185
Weld-On Halogen	61-3155	61-3160	61-3165

Above: Class 1 Car with Actuated La Paz 5 Light Bar

Below: KORE Stock Full Race Truck with La Paz 4 Light Bar & LEDgend Lights

Larry Roeseler
Terrible Herbst Motorsports, Multi-Class Winner
Baja 1000 Setup – 6 LaPaz lights and 4 Fuego lights

"Well, I went 134 mph and it was all good, our eyes were very comfortable with them, even at that speed."

Rock Guard – Clear Lexan
Durable transparent lexan cover protects lens from rocks and roost. Part# 60-0041

Rock Guard – Amber Lexan
Offers the same light protection as our Clear Lexan Rockguard however is tinted amber to reduce glare in dust or fog. Part# 60-0042

Rock Guard – Black
Daytime cover with Soltek logo. Part# 60-0040

Soltek Universal Wiring Harness
Made for trucks & buggies, this pre-fabricated wiring harness is designed to easily wire two front bumper mounted La Paz or Fuego lights. This harness is designed to be switched by the vehicles' existing high-beam switch however our optional Switch Kit (part# 61-3605) will plug directly into this harness allowing separate switching. You may safely control up to 4 lights with this wiring harness when used in conjunction with our Splitter Kit (part# 61-3607, shown below). Includes 30A diode-protected relay switch." Part# 61-3600

Soltek Universal Harness Switch Kit
Adding this kit to the Universal Wiring Harness (#61-3600) will allow the lights to be switched manually instead of by the vehicle's high beam. Part# 61-3605

Soltek Universal Splitter – 2 Lights
Adding this piece to the Soltek Universal Wiring Harness splits one power lead into two allowing you to run more than two lights. No more than two splitters should be added to one Universal Wiring Harness (4 lights max.). Part# 61-3607

LaPaz Billet Clamp
Clamps one LaPaz single light to any frame rail. No welding required. 1.5" – Part# 61-3249

Dual 8" Racelight Fuego Add-on Bracket
Part# 61-3495

La Paz Light Bar Clamp-on Billet Receiver Kit (1.5" & 1.75")
This optional kit allows you to attach a Quick-Mount Light Bar to your vehicle with no welding required. Perfect for vehicles whose frames have already been pow-dercoated. Includes four billet aluminum clamps and grommets.
1.5" – Part# 61-3410
1.75" – Part# 61-3412

Universal Mounting Clamp
1.50"   Part #61-3451
1.75"   Part #61-3452

Quick-Release Strut Rod Kit – 18"
18" – Part# 61-3420
12" – Part# 61-3422

Quick-Release Weld-On Tab Kit
Weld-on mounting tabs are provided with every Quick-Mount La Paz Light Bar. This tab kit can also be ordered separately to allow you to easily transfer your light bar between multiple vehicles. Part# 61-3415

Light Bar Pivot Kits
This kit is necessary for Quick Mount Light Bars that will be actuated or folded down. Replaces the standard bottom mount pins with ones that have Heim joints built in. 3 & 4 Light Bars use 2 pins, 5 & 6 Light Bars use 3 pins.
3-4 Light Bar Pivot Kit - Part# 61-3228
5-6 Light Bar Pivot Kit - Part# 61-3229

Actuator Kit
For that competitive edge. With a flick of a switch, the Actuator Kit allows the driver to alter the pitch of the light bar. As the terrain or vehicle weight changes, you can fine tune the vertical aim of the lights. The actuator also allows light bars to lay flat for daytime driving or storage in a trailer.

4" – Part# 61-3505
8" – Part# 61-3515
12" – Part# 60-3515

Actuator Toggle Switch & Wiring Kit
Kit includes an (on)-off-(on) toggle switch pre-wired specifically to control an actua-tor. Takes the hassle out of figuring out how to reverse polarity with one switch. Simply attach the provided leads to power and to the actuator. Instructions included. Part# 61-3615

MODULAR LIGHT BAR

- The Modular Light Bar system allows you to create a unique light bar from a selection of polished billet aluminum or black anodized components
- Any combination of Baja Designs race-proven 4" Fuego and 8" LaPaz series of performance lighting can be incorporated
- Three mounting options available –
  - Clamp-on (no fabrication required, easily raised & lowered to fit in trailer)
  - Weld-on (less expensive)
  - Heim pivot (for actuator setup)
- Complete angle adjustability so your lights are aimed exactly where you want
- All necessary low-profile stainless hardware included
- Add more lights whenever you want
- Complete wiring and actuator kits available

versatile style

1 Design Your Light Bar!
How many lights do you wish to run?

The number of lights you can run in your light bar mostly depends on the total width of your crossbar*. The final width of your light bar is determined by adding the widths of the total number of Rings & Spacers (shown below,) and the Mounting option (shown on following page) you choose. Any of the Ring and Spacer Kits can be joined together in any configuration.

*The vehicle alternator output must also be considered when choosing the quantity and type of lights to incorporate. Light bars using the Heim Pivot Mount Kit can be built wider than a vehicles' crossbar.

Fuego Ring Kit = 7.5" Wide

La Paz Ring Kit += 10.25" Wide

Spacer Kit = 3.5" Wide

2 Mount your light bar!
Clamp-on, Weld-on, or Heim Pivot?

Once you've decided on your light bar configuration you must decide how you want to attach it to your vehicle. There are three mounting options; each of which offers a unique set of benefits depending on application. See the back page of this guide for part numbers.

Clamp-on Mount Kits

• Easiest way to install your light bar
• Allows for quick adjustment of height and angle orientation
• Allows your light bar to fold down for trailer transportation or storage
• Perfect for vehicles with powder-coated crossbars
• Available for 1.5" and 1.75" tube diameters
• Adds 1" to the total width of the light bar

Weld-on Mount Kits

• Most cost effective mounting option
• Once the provided tabs are welded to your crossbar, the light bar can be quickly attached or removed
• Perfect for pre-run or race vehicles without powder coated crossbars
• Available for 1.5" and 1.75" tube diameters
• Adds 1" to the total width of the light bar

Heim Pivot Mount Kits
• Allows light bar to pivot for actuated setups
• Light bar can be built wider than a vehicles' crossbar when using this mounting option
• Adds 1" to the total width of the light bar
• Kit available for Fuego or La Paz Rings

Ring and Spacer Kits	
Part #	Description
61-3320	Fuego Ring Kit
61-3322	La Paz Ring Kit
61-3324	3.5" Spacer Kit
Mounting Kits	
Part #	Description
61-3325	Fuego Heim Pivot Mount Kit
61-3327	La Paz Heim Pivot Mount Kit
61-3340	Clamp-on Mount Kit, 1.5"
61-3341	Clamp-on Mount Kit, 1.75"
61-3345	Weld-on Mount Kit, 1.5"
61-3346	Weld-on Mount Kit, 1.75"
Wiring Kits	
Part #	Description
61-3348	8" Wiring Harness Ext. Kit
61-3610	Splitter Kit, 2-Light
61-3611	Splitter Kit, 3-Light

3 Power
Wire Your Light Bar!

To further simplify your Modular Light Bar installation, we offer a universal wiring harness kit and two power "splitter" kits. The wiring harness is designed specifically for routing power to the top of your vehicle. The Splitter Kits plug directly into the wiring harness allowing you to switch any number of lights in any configuration you choose (switches not provided.) Each light comes with 10" of wire cable from the back. See the example below.

Wiring Harness Kit
- 8' extension with 2 power and 2 ground leads using sealed weather-pack connectors
- 1 end left un-terminated for routing through tubing
- Wire terminals and tube grommets provided
- 14 gauge wire to handle high current loads
- Detailed installation instructions included

2 & 3 Way Splitter Kits
- Splits one harness power lead into two or three
- Plugs directly into Wiring Harness Kit (above) using sealed weather-pack connectors
- Offset connector lengths
- 14 gauge wire to handle high current loads

Samples

Parts List
- 1 La Paz Ring Kit
- 2 Fuego Ring Kits
- 2 Spacer Kits
- 1 Mount Kit (Weld-on Shown)

Parts List
- 4 La Paz Ring Kits
- 1 Mount Kit (Clamp-on Shown)

Top Left: Modular Light Bar Clamp-on Mount - Standard
Above: 4 LaPaz rings with Heim Pivot Kit and actuator kit
Bottom Left: Modular Light Bar Clamp-on Mount – Inverse

TECATE AND DIABLO HID | Motorcycles

Both the Tecate and Diablo headlights feature a super bright HID bulb in it's main lens. This lens is designed specifically for agressive nighttime trail riding by combining amazing distance projection with wide peripheral spread and a smooth light pattern - No glaring hot-spots or dead-spots!

TECATE HID HEADLIGHT

The Tecate also incorporates a Halogen MR-16 bulb mounted directly above the main lens, which fills in the dark area immediately around the front wheel. The result is a truly amazing light pattern that allows you to trail ride as fast and aggressively at night as you do during the day.

The Tecate light attaches directly to the fork tubes using rubberized clamps.

Because stator output varies greatly between bikes, the Tecate is available with three different MR-16 wattages. Consult the application chart to see what Tecate light your bike can support. If your bike does not appear on the chart it may not have the necessary stator output to run the Tecate light. Call Baja Designs if you have any application questions.

DIABLO HID HEADLIGHT

Weighing in at only 2.5lbs for electric-start bikes and 3.75lbs for kickstart bikes, the Diablo is lighter than most factory and aftermarket headlights. Black, white and most OEM colors are available. Diablos for kickstart bikes include a small NiCad battery and rectifier/regulator pre-mounted and wired with the HID electronics behind the headlight.

Most late-model electric-start bikes require a modified or rewound stator along with a new rectifier/regulator to run the Tecate or Diablo Headlight. View the Application Chart below to see what your bike needs. If your bike requires a new rectifier/regulator please order part #12-2004 with your light and the correct rectifier/regulator will be included (please provide year/make/model of bike). If your bike requires the stator to be rewound, please call Baja Designs for an order confirmation number before you send in your stator.

Bikes without stock headlight switches should purchase the Tecate Switch and Wiring Kit (part# 61-1049) for a true bolt-on, plug-in installation.

Tecate HID Headlight (Kickstart-Only) Kickstart model Tecate lights come with a small NiCad battery and rectifier/regulator installed and pre-wired on light	
Part #	Description
60-0078	Tecate w/35 watt MR-16
60-0080	Tecate w/50 watt MR-16
60-0082	Tecate w/75 watt MR-16
Tecate HID Headlight (Electric Start)	
Part #	Description
60-0086	Tecate w/35 watt MR-16
60-0088	Tecate w/50 watt MR-16
60-0090	Tecate w/75 watt MR-16

Diablo HID Headlight (Kickstart-Only)
Part# 60-0100- (Add headlight color to part number) 4R - '04 Honda CRF Red, BK - Black, BU - Blue, GN - Green, OG - Orange, RD - Honda XR Red, WT - White
Diablo HID Headlight (Electric Start)
Part# 60-0105- (Add headlight color to part number) 4R - '04 Honda CRF Red, BK - Black, BU - Blue, GN - Green, OG - Orange, RD - Honda XR Red, WT - White

lightweight performance

factory look

TECATE AND DIABLO UPGRADES AND OPTIONS

Quick Release Mounting Kit – w/Receivers
Allows the headlight to be removed and re-installed in a matter of seconds just like the 8-inch racelights. Ideal for racing applications. Kit includes side bracket adapters for headlight, fork tube receiver brackets, rubber-isolated clamps, and all necessary mounting hardware. Part# 60-0092

Quick Mounting Kit – No Receivers
Side adapter brackets allow headlight to be used with the 8-inch racelight fork tube receiver brackets. Ideal for use in racing conditions as a quick-releasing back-up or daytime running light. Comes with hardware necessary to mount brackets to headlight. Part# 60-0096

Wiring Harness With Switch
The switch and wiring kit includes a compact handlebar mounted on/off switch with integrated kill function, a complete wiring harness, and detailed installation instructions. Part# 61-1049

Rectifier/Regulator, Wired DC Part# 12-2004

TECATE HID HEADLIGHTS APPLICATION CHART

HONDA

CRF450X	+50w MR16, #60-0088 (1, 4)
XR400, XR600 '91-on, XR650R	+75w MR16, #60-0082 (1 or 3)
CR 2-Stroke w/External Stator	+35w MR16, #60-0078 (3)

HUSQVARNA/HUSABERG

2-Stroke w/K3 Stator	+35w MR16, #60-0078 (1)
4-Stroke '03-on Electric Start	+35w MR16, #60-0086 (1, 4)

KAWASAKI

KLX400E Electric Start	+50w MR16, #60-0088
KX 2-Stroke w/External Stator	+35w MR16, #60-0078 (3)

KTM

2-Stroke SX, 4-Stroke SX/SMR w/K3 Stator	+35w MR16, #60-0078 (1)
2-Stroke EXC/MXC/ XC/XC-W w/K3 Stator	+35w MR16, #60-0078 (1)
4-Stroke Electric Start EXC/MXC/XC/XC-W	+35W MR16, #60-0086 (1, 4)

SUZUKI

DRZ250/400E Electric Start	+50w MR16, #60-0088
RM 2-Stroke w/External Stator	+35w MR16, #60-0078 (3)

YAMAHA

WR250/400/426F	
'98-'02 Kickstart	+35w MR16, #60-0078
('98-'99 WR400 must have '00 model stator)	
YZ250/400/426F '98-'05	+35w MR16, #60-0078
(All '98-'02 YZFs must have '00-'02 WR stator or External Stator. All '03-'05 YZFs can only use External Stator)	
WR250/450F Electric Start	
'03-'07	+35w MR16, #60-0086 (2, 4)
YZ 2-Stroke w/External stator	+35w MR16, #60-0078 (3)

NOTES:
(1) Needs stator rewind.
(2) Needs stator modification (ground float).
(3) Needs aftermarket stator.
(4) Needs BD rectifier/regulator #12-2004.
(5) Needs AC regulator #12-2002.

DIABLO HID HEADLIGHTS APPLICATION CHART

HONDA

CRF450X	#60-0105-(color) (1,4)
XR400, XR600 '91-on, XR650R	#60-0100-(color) (1 or 3)
CR 2-Stroke w/Ext. Stator	#60-0100-(color) (3)

HUSQVARNA/HUSABERG

2-Stroke w/K3 Stator	#60-0100-(color) (1 or 2)
4-Stroke Elect Start '03-on	#60-0105-(color) (1,4)

KAWASAKI

KLX400E Electric Start	#60-0105-(color)
KX 2-Stroke w/ Ext. Stator	#60-0100-(color) (3)

KTM

2-Stroke SX, 4-Stroke SX/SMR w/K3 Stator	#60-0100-(color) (1 or 2)
2-Stroke EXC/MXC/XC/XC-w w/K3 Stator	#60-0100-(color) (1 or 2)
4-Stroke Electric Start EXC/MXC/XC/XC-W	#60-0105-(color) (1 or 2, 4)

SUZUKI

DRZ250/400 Electric Start	#60-0105-(color)
RM 2-Stroke w/Ext Stator	#60-0100-(color) (3)

YAMAHA

WR250/400/426F	
'98-'02 Kickstart	#60-0100-(color)
('98-'99 WR400 must have '00 model stator)	
YZ250/400/426F 4-Stroke	#60-0100-(color) (YZFs must have '00-'02 WR stator or aftermarket External Stator)
WR250/450F Electric Start	
'03-'07	#60-0105-(color) (2, 4)
YZ 2-Stroke w/ Ext Stator	#60-0100-(color) (3)

NOTES:
(1) Needs stator rewind.
(2) Needs stator modification (ground float).
(3) Needs aftermarket stator.
(4) Needs BD rectifier/regulator #12-2004.
(5) Needs AC regulator #12-2002.
(color) Add color to end of part #:
 4R – '04 Honda CRF Red, RD – Honda XR Red,
BU – Yamaha Blue, BK – Black, WT – White,
OG – KTM Orange, GN – Green

STATOR REWINDING AND OUTPUTS

In the world of offroad lighting more is always better and you can't power big lights without a high output lighting coil. Whether you are running a dual-sport, a play bike, or a full-blown racer your lighting system can be improved with the help of one of our rewound or replacement stators. Our lighting coils are race tested and guaranteed for as long as you own your bike. Typical turnaround time is 2-5 working days.

APPLICATION CHART

HONDA	Stock Output	Rewound Output	Part Number
Z50, CRF 50/70, XR 50/70	NONE	100 Watts	30-0110
CRF 80/100, XR 80/100	NONE	100 Watts	30-0112
CRF150F Kickstart '03-'05 & CRF150F Elec. Start '06-on	NONE	120 Watts	12-6001
CRF150R '07-on Kickstart	NONE	50 Watts	12-5999
CRF230	60 Watts	100 Watts	12-6027
CRF250R & CRF450R	NONE	50 Watts	12-5995
CRF250R/450R H.O. - 60w (Stock Flyhweel) - 90w (High Energy Flywheel)	NONE	60/90 Watts	12-5996
CRF250X*	Dual 25/50 Watts	100 Watts	12-6028
CRF450X*	Dual 25/50 Watts	150 Watts	12-6029
XR200 '86-on	65 Watts	110 Watts	12-6023
XR250 '86-on	70 Watts	120 Watts	12-6024
XR350	80 Watts	130 Watts	12-6008
XR400	80 Watts	Dual 125/125 Watts	12-6009
XR600 '91-'00	80 Watts	Dual 125/125 Watts	12-6011
XR650R	80 Watts	Dual 125/125 Watts	12-6012

HUSQVARNA	Stock Output	Rewound Output	Part Number
4-Stroke w/ K3*	Dual 20/100 Watts	130 Watts	12-6000

KAWASAKI	Stock Output	Rewound Output	Part Number
KDX200/220	45 Watts	80 Watts	12-6002
KLX125	NONE	100 Watts	12-6030
KLX250/300	80 Watts	150 Watts	12-6003
KLX450R*	40 Watts	100 Watts	12-6010

KTM	Stock Output	Rewound Output	Part Number
4-Stroke '00-on EXC/MXC/XC 250/400/450/520/525 Elec. Start*	Dual 25/100 Watts	Single 130 Watts	12-6004
2-Stroke w/K3 Stator	Dual 25/100 Watts	Single 130 Watts	12-6026

SUZUKI	Stock Output	Rewound Output	Part Number
DRZ125	NONE	100 Watts	12-6030

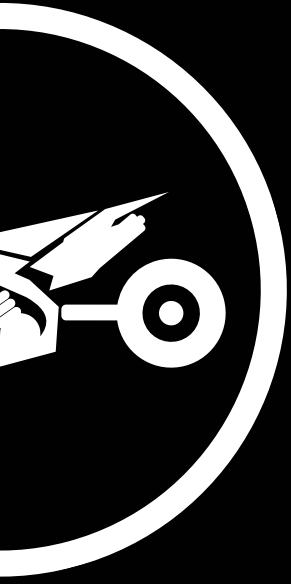| YAMAHA	Stock Output	Rewound Output	Part Number
TTR125 Kickstart	NONE	120 Watts	12-6005
TTR230	60 Watts	100 Watts	12-6031
WR250F & WR450F Elec. Start Models*	Dual 25/100 Watts	Single 130 Watts	12-5993

* Requires Baja Designs rectifier/regulator (pt#12-2004)

Before   After

XR650R

ENDURO LIGHTING KITS | Motorcycles

Now your ride doesn't have to end when the sun goes down! Baja Designs offers complete bolt-on, plug-in Enduro Lighting Kits to fit almost any bike that doesn't come stock with factory lighting. All kits are available in either a "headlight only" version or a "headlight with taillight & brakelight" version.

NOTE: Some bikes will require a stator wind or an aftermarket stator assembly to run any lighting. Our application chart will tell you if your bike needs anything other than the lighting kit.

Electric start bikes require a model-specific lighting kit. If you do not see your bike listed in the application chart, call for availability.

Kits include:
- Baja Designs halogen headlight with glass lens, H4 high/low bulb, & mounting straps. All headlight plastics match OEM colors.
- Complete bike-specific wiring harness with OEM style waterproof connectors. No cutting, crimping or soldering required for installation. Optional taillight and brakeswitch wiring is also included with all harnesses.
- Compact handlebar-mounted high/low/off switch with optional ignition kill function.
- Pre-wired AC voltage regulator (when required.)
- Optional - Baja Designs LED taillight and brake light switch.
- All necessary mounting hardware.
- Detailed installation instructions.

ENDURO LIGHTING KIT APPLICATION CHART

HONDA	Headlight Only	Head/Tail/Brakeswitch	Notes
XR/CRF 50/70/80/100/150('03-'05)/200	31-0410-WT	31-0415-WT	XR/CRF50/70 Req. stator #30-0110
WT = Pre-'00, RD = '00-'03,	31-0410-RD	31-0415-RD	XR/CRF80/100 Req. stator #30-0112
4R = '04-on	31-0410-4R	31-0415-4R	'03-'05 CRF150 needs stator rewind
'06-on CRF150F Electric Start, CRF230F (All)	31-0260	31-0270	
CRF150R CRF250R 4-stroke CRF450R 4-stroke	31-0030-4R	31-0035-4R	Require aftermarket or rewound stator
CR 2-strokes	31-0030-WT	31-0035-WT	All CR's must have aftermarket lighting
	31-0030-4R	31-0035-4R	coils. *'02-on Must remove AC reg from kit if using internal replacment coil*
HUSQVARNA/HUSABERG	Headlight Only	Head/Tail/Brakeswitch	Notes
2-stroke & 4-stroke Kickstart Models Only	31-0030-WT	31-0035-WT*	Will not work with E-start bikes. *Comes with Nissin brakeswitch. If bike has Brembo rear brake order #31-0045-WT
KAWASAKI	Headlight Only	Head/Tail/Brakeswitch	Notes
KLX110	31-0331-GN	31-0332-GN	
KLX125	31-0335	31-0345	Requires stator rewind
KLX140	31-0338	31-0339	
KX 2-stroke, KXF 4-stroke	31-0030-WT	31-0035-WT	KX & KXF Require aftermarket stator
KTM	Headlight Only	Head/Tail/Brakeswitch	Notes
SX/XC/XC-W 2-stroke	31-0030-BK	31-0045-BK	SX 4-stroke and all 2-strokes require
SX/SMR 4-stroke	31-0030-OG	31-0045-OG	K2 or K3 OEM stator
MXC Electric Start '00-on	31-0341	31-0342	
SUZUKI	Headlight Only	Head/Tail/Brakeswitch	Notes
DRZ110	31-0331-WT	31-0332-WT	
DRZ125	31-0335	31-0345	Requires stator rewind
RM 2-stroke, RMZ 4-stroke	31-0030-WT	31-0035-WT	2-stroke & 4-strokes require aftermarket stator
YAMAHA	Headlight Only	Head/Tail/Brakeswitch	Notes
TTR125 Kickstart	31-0410-BU	31-0415-BU	Requires stator rewind
TTR125 Electric Start	31-0305	31-0315	
TTR225	31-0320	31-0330	
TTR230	31-0287	31-0288	
YZF 4-stroke '98-'05,	31-0030-WT	31-0035-WT	YZF 4-stroke & YZ 2-stroke requires
YZ & WR 2-stroke, IT & TT (all)	31-0030-BU	31-0035-BU	aftermarket stator

DUAL SPORT KITS | Motorcycles

In today's fractured off-road trail system you may be forced to ride some blacktop in order to get where you want to go. In 1992 Baja designs revolutionized the way we use our dirtbikes by being the first company to offer dual sport conversion kits that maintain an off-road bike's performance standards. After 15 years of experience and listening to customer feedback, Baja Designs still remains as the industry leader in dual sport lighting systems.

Baja Designs Dual Sport Kit Features:
- **Quick Release**: All Baja Designs Dual Sport Kits incorporate multi-pin connectors in the wiring harness at the front of the bike and under the seat. This means that once installed, removal & reinstallation of the kit can be accomplished in just a few minutes without having to identify any individual wires. This feature is great for dual sport bikes that get raced off-road or used for motocross. Simply unbolt & unplug the "dual sport fender" and the "dual sport headlight" then install a stock fender and front number plate in their place (extra fender only supplied in '03-on WR kit.)
- **Easy Installation**: All front accessories (headlight, turn signals, horn, flasher relay, etc.) are pre-attached and pre-wired eliminating the need to identify and connect most individual wires. On kickstart models, these accessories include a small NiCad battery & rectifier/regulator.
- **Turn Signal Options**: All dual sport kits come standard with DOT approved flexible turn signals. If you are looking for a different look or your state does not require the DOT stamp you can upgrade one pair or both pairs to our Mini-Stalk LED turn signals for an additional charge. These LED turn signals still come with a flexible stalk and measure only 2 5/8" from base to tip.
- **Quality**: Our Dual Sport Kits include a Halogen Headlight , rugged flexible turn signals, and a modern looking, vibration-resistant LED Taillight*. The provided OEM style handlebar switch assembly features a push-to-cancel turn signal button and integrated high-beam indicator.

*Only bikes with motocross-style fenders can use the LED taillight.

All states require DOT tires; some states have additional requirements such as a speedometer/odometer, mirrors, or a brake light switch actuated by the front brake lever (in addition to the rear brake light switch that comes with all dual sport kits). Please check your local motor vehicle department for your individual state's requirements. Dual Sporting an off-road bike is not legal in all states. Check with local laws before ordering.

UPGRADES AND OPTIONS

LED Mini-Stalk LED Upgrade
This part number is to be used ONLY when purchasing a Dual Sport Kit. Those wishing to purchase Mini-Stalk LED Turn Signals separately should use part #60-3028.
1 Pair, Part# 60-4198
2 Pair, Part# 60-4199

Key Switch Kit
This key switch upgrade will provide the dual sport rider with a little added security when parking their street legal dirtbike in public places. Controls the ignition kill function only. Comes complete with a universal mounting bracket, two keys and complete installation instructions.
Part#12-8001

DUAL SPORT KIT APPLICATION CHART

HONDA	Part Number	Notes
XR/CRF50/70	12-1231	Stator Included
'90-'00 XR80/100	12-1301-WT	Requires Stator Pt #30-0112
'01-'03 XR/CRF 80/100, '03 CRF150	12-1300-RD	XR/CRF 80/100 Require stator part #30-0112 CRF150 Requires stator rewind
'04-on CRF80/100, '04-'05 CRF150F, '07 CRF150R	12-1300-4R	XR/CRF 80/100 Require stator part #30-0112 CRF150 Requires stator rewind
'06-on CRF150F (elec start)	12-1050	Rewind Recommended
XR200/'84-'02 XR250/XR350/ '96-'99 XR400/XR500/XR600	12-1301-WT	
CRF230	12-1050	Rewind Recommended
'00-on XR250/XR400	12-1301-RD	
'08-on CRF250X/450X	12-1051	
CRF250X/450X	12-1052	
CRF250R & CRF450R	12-1300-4R	Requires Stator wind or aftermarket replacement stator
XR650R	12-1300-RD	
CR125/250/500	12-1300-WT	Requires aftermarket stator assembly

HUSQVARNA/HUSABERG	Part Number	Notes
All 2-stroke and Kickstart-only	12-1300-WT	Must have lighting coil
Electric Start Models	12-1305-BU /YE/BK	Requires stator modification (can be done by installer)

KAWASAKI	Part Number	Notes
KLX110	12-1054-GN	
KLX125	12-1300-GN	Requires stator rewind
KLX140	12-1058	
KDX200/220/250	12-1301-GN	Rewind Recommended
KLX250/300	12-1301-GN	
KX (2-stk) & KXF (4-stk)	12-1300-GN	Requires aftermarket stator
KLX400	12-1010-GN	
KLX450R	12-1007	

KTM	Part Number	Notes
EXC, MXC, XC E-Start 4-Stk, 00-on	12-1036	
2-Stk SX, EXC, XC, XC-W 96-on 4-Stk SX/SMR Kickstart-ONLY Models	12-1300-OG	Requires K2 or K3 stator 4-Stk Models can NOT have an Electric starter with this part number.

SUZUKI	Part Number	Notes
DRZ110	12-1054-WT	
DRZ125	12-1300-WT	Requires stator rewind
DRZ250	12-1001	
DR250/350	12-1301-WT	
RM (2-stk) & RMZ (4-stk)	12-1300-WT	Requires aftermarket stator
DRZ400E (Elec-Start ONLY)	12-1010-WT	Will not work on kickstart model
RMX250	12-1301-WT	

YAMAHA	Part Number	Notes
TTR125 kickstart	12-1300-BU	Requires stator rewind
TTR125 elec. Start	12-1040	
TTR225	12-1013	
TTR230	12-1041	Rewind Recommended
TTR250	12-1014	
IT/TT (2-stk all)	12-1301-WT	
'89-'97 WR250 (2-stk)	12-1300-WT	
'98-'02 WR250/400/426F	12-1300-BU	Requires YZF rear fender
'98-'02 YZ250/400/426F	12-1300-BU	Requires aftermarket stator
'03-'06 WR250/450F	12-1229	Requires stator modification (can be done by installer)
'07-on WR250/450F	12-1230	Requires stator modification (can be done by installer)
YZ125/250 (2-stk)	12-1300-WT	Requires aftermarket stator
'03-'05 YZ450F	12-1300-BU	Requires aftermarket stator

HEADLIGHTS, TAILLIGHTS AND TURN SIGNALS

Baja Designs offers high-quality lights for any application. If you need a replacement or just love to do it yourself, we have the lights you want. All lights listed below come with generic length wiring unless otherwise specified.

Baja Designs Headlight Assemblies
Complete Headlights include:
- DOT glass lens with 55/60 watt H4 Bulb
- Number plate with white number plate sticker
- Universal rubber mounting straps adapt to any size forks
- H4 headlight connector to adapt light to any system

Black	60-1098-BK
White	60-1098-WT
'04 Honda Red	60-1098-4R
Honda XR Red	60-1098-RD
KTM Orange	60-1098-OG
Yamaha YZ Blue	60-1098-BU
Kawasaki Green	60-1098-GN

Baja Designs Taillight Assembly
Mounts under any motocross style rear fender. Plastic support strengthens stock fender against damage caused by rear tire.

Functions as a taillight and brake light. Includes a license plate mounting area and white LEDs for plate illumination. Generic wiring and mounting hardware included. Part# 60-0709

Acerbis Enduro Taillight Assembly
Mounts to the top of most older style sloping rear fenders (like old XRs). Has plate mounting surface with illuminator light. Functions as taillight and brake light. Generic wiring and mounting hardware included. Part# 60-0700

Universal Small Taillight
Small XR style taillight functions as running light and brake light only. Generic wiring and mounting hardware included. Part# 60-2011

Baja Designs Standard DOT Turn Signal, Pair
Standard 10-watt turn signals with flexible stalk and amber lens. 4 inch total length.

Generic wiring and mounting hardware included. Part# 60-4190

Flush Mount Turn Signals, Pair
These mount directly to any flat surface and prevent most damage caused by kicking or falling over. Not DOT approved. Part# 60-3030

Mini-Stalk LED Turn Signals, Pair
These small signals are only 2 5/8" in total length! They come with a clear lens and amber LEDs. Flexible rubber stalk prevents damage from crashes. Generic wiring and mounting hardware included. Part# 60-3028

Mini-Flush Mount LED Turn Signals, Pair
These small marker lights mount directly to any flat surface. Because of their small size and light output they are not recommended for daytime street use. Not DOT approved. Part# 60-3023

07 KTM EXC LED | Turn Signal and Taillight Upgrade

This kit replaces the stock 07 KTM EXC taillight & turn signals with Baja Designs' low-profile LED units. Sheds 1lb of weight from the bike and is significantly less vulnerable to vibration & crash damage. Part #31-0000.

Kit Includes:
- LED taillight assembly
- 4 LED mini-stalk turn signals
- License plate mounting bracket with frame
- LED flasher relay
- All necessary mounting harware, terminals, and zip-ties
- Detailed installation instructions

Kit Notes:
   Installation of this kit requires replacing several wire connectors from the stock wiring harness with provided connectors. If you are not comfortable performing this task please refer it to a qualified technician. Installation of this kit requires that the stock turn signal indicator (green dash light) be disabled. Baja Designs cannot guarantee that street legality requirements will still be met with installation of this kit. Please check with local laws prior to ordering.

BAJA DESIGNS HELMET RADIO SYSTEM

Baja Designs offers a two-way communication system that is modeled after the Team Honda race systems. It takes just a few minutes to install the system into a full-face helmet. All of our components and interconnects are race quality. Our systems include both a water-proof noise-canceling aircraft microphone that cuts wind and engine noise and loud high efficiency ear speakers. We also include a water-proof push to talk switch that mounts to the handlebars with Baja's exclusive clutch perch bracket.

You can use our systems with most hand held VHF/UHF radios that have external inputs; this includes the popular Motorola Talk-About, Kenwood FRS series, as well as more powerful five-watt radios such as the Vertex, ICOM, Motorola and others. For optimum range, Baja Designs recommends a high quality 5 watt UHF radio. UHF hand-helds will nearly always outperform VHF radios by a wide margin in this application. The best commercial radios in this price range are the Vertex VX 351 radios. We like them for their robust construction, great microphone gain, loud speakers, range and great battery life (Li-Ion).

Left to Right: Wiring Harness (connects helmet, radio and push to talk button), Helmet Microphone and Speakers, Handlebar Mounted Push to Talk Button, Radio Specific Interface Cable

- Baja Designs Helmet Radio System, 65-0001 (Does not include radio)
- Vertex VX 351 VHF (65-0021) and UHF 5 watt radios (65-0023)
- Vertex high-performance antenna (increases range.) VHF antenna: 65-0041, UHF antenna: 65-0042
- Extra PTT and Bracket, 65-0003
- Additional Interface Cables (Adapts Radio to Harness)

BATTERY POWER KIT
3+ HOURS OF LIGHTING
NO STATOR REQUIRED!

You can power your Diablo HID or LaPaz 8" HID for over 3 hours with our new state of the art Lithium Polymer battery. No stator or bike power required – just plug and go!

RACER KIT - Part# 12-0420
Includes: 2 Batteries, 1 Quick Charger

SPORTSMAN KIT - Part# 12-0424
Includes: 1 Battery, 1 Standard Charger

MIRRORS

Baja Designs Folding Dual Sport Mirror
This lightweight metal mirror folds out of the way when the pavement turns to dirt and maintains stability at higher speeds. Mirror is easily adjustable and can work on both left and right sides. Bike must be equipped with mirror mount. 18-0090

Acerbis Folding Mirror
This small plastic mirror is good when you want to be legal and not much more. Mirror does not give great vision but it is small and can be folded out of the way with one hand.
Black - Left..18-0081
Black - Right 18-0082

Billet Mirror Perch Mount
This anodized aluminum mount replaces the rear portion of the clutch perch and accepts any mirror with 10mm threads. Great for bikes with limited space on the handlebars. Does not work with reverse thread mirrors...18-0080

Billet Mirror Perch Mount, Magura Clutches
This mounts works the same as the standard billet mirror mount but is made for the pivoting style Magura clamp found on late-model KTMs 18-0101

Two-Piece Mirror Mount
Cost effective clamp style mirror mount. Two bolts clamp the threaded mount to any standard sized handlebar...18-0122

SPEEDOMETERS

Analog Backlit Speedometer
This speedometer features backlighting, a cumulative odometer, and a re-settable trip meter. It comes with a generic single bolt mounting bracket and will meet most state speedometer requirements. Attaches directly to an existing speedo cable. Works with all Japanese drives. 37-0002

ICO Dual Sport Computer
We have personally logged over 37,000 miles on one ICO computer with absolutely no problems. These are the most reliable, durable computers on the market today. This unit has adjustable wheel size, auto-calibrate/mileage adjustment, speedometer, maximum speed, automatic shut-off, and more! Uses two Lithium batteries (not included).....................37-0032

ICO Dual Sport VRL Computer w/Back-Lighting
This computer has all the features of the standard ICO computer plus the advanced features required by a serious rally rider. The Dual Sport VRL can be powered by an external DC source (i.e. a bike's battery) and also uses two Lithium batteries (not included) as a back-up power source. The remotely mounted thumb switch can easily control the functions while riding and the backlit display is easy to read and understand during day or night riding 37-0034

ICO Billet Guard
Protect your expensive ICO computer with this billet guard. Mounts using the two forward handlebar clamp bolts...37-0005

REAR FOOTPEGS

Baja Designs offers a clean way to add rear pegs to your bike. Machined from billet aluminum, these footpegs combine strength with a functional lightweight design. The aluminum pegs pivot with a ball detent to keep them out of the way when not in use. Depending on application, the rear pegs come as a weld-on or bolt-on mounting system.
XR400 & XR600 Rear Footpegs, Weld-on.......21-0045
XR650R Rear Footpegs, Bolt-on 21-0047

COMPETITION SPARK ARRESTORS

This OEM Honda HRC high-flow spark arrestor directly replaces the stock spark arrestor to provide a significant flow increase. Does not conform to national maximum decibel requirements.
For competition use only.
XR400...55-0005
XR650R 55-0006

CARBURETION

Smog Block-Off Kits
These are inexpensive easy-to-install kits that eliminates the smog pump canister and mounting hardware.
For competition use only.
CRF250X/CRF450X 15-4950
XR650R 15-5000
XR650L...15-5001

Motorcycle Accessories

Carb Mod Kits
These Carb Mod Kits are designed to optimize your carburetor's air-fuel mixture for the best possible power, throttle response, and ease of starting. Bikes must have open intake (airbox) and exhaust for best results.
For competition use only:
XR400 California Model 15-1003
XR400 49 State Model 15-1005
CRF450X JD Jet Kit...15-1026
XR650L Dyno-Jet Kit 15-1020
XR650R 175 main jet......................................15-0998
(includes HRC needle and intake manifold)
XR650R 172 main jet......................................15-0999
(includes HRC needle and intake manifold)
XR650R 170 main jet......................................15-1001
(includes HRC needle and intake manifold)
DRZ400S Dyno-Jet Kit....................................07-0100

SKID PLATES

Baja Designs skid plates offer comprehensive protection for your motorcycle's engine, side cases and frame rails. Constructed of heavy-duty 3/16" aluminum plate and clear anodized, these skid plates offer much more protection than the plastic factory guards. Please see our website for application chart.

FUEL TANKS

Baja Designs Side Panel Fuel Tank
Side panel tanks can be used with the stock tank to give you extra fuel and a slim profile or with a larger capacity tank to give the maximum possible range. All side panel tanks come with a petcock, mounting bracketry and all the tubing and parts necessary to connect the new tank into the fuel system of your bike.

KTM
KTM 4-Stroke '99-'03 Orange – 1.5 gal...........26-0501
KTM 4-Stroke '99-'03 Black – 1.5 gal 26-0500
KTM 4-Stroke '04-'07 Orange – 1.1 gal...........26-0499
KTM 4-Stroke '04-'07 Black – 1.1 gal 26-0498
YAMAHA
YZ/WR 400/426F '98-'02 White – 1.2 gal........26-0502
Adapter Kit WR450F '03-on 26-0506

LARGE CAPACITY FUEL TANKS

Designed to enhance the appearance of your motorcycle, these tanks give you the extra range you need for those long rides. Capacity varies by application. Please see our website for application chart.

SEAT COVERS & SEAT FOAMS

Baja Designs offers softer seat foams that are standard height or +1" taller. Baja Designs seat covers are constructed of marine grade vinyl, which is 30% thicker than the OEM seat covers. Non-slip surface keeps you in your seat through the rough stuff and the triple-stitched seams keep the cover from ripping under extreme duress. Taller seat foams require a taller seat cover.Please see our website for application chart.

Please see www.bajadesigns.com
for full warranty information.

NOTE: Components and Pricing Subject to Change.

AVAILABLE DECEMBER 2008

PreRunner 6" HID Light
Baja Designs new 6" PreRunner HID light is the perfect blend of size and offers the performance you need for race or play. If you are looking for a light that is larger than a 4" Fuego, more compact that an 8" LaPaz, but has all the great features you have come to expect from a Soltek product, the PreRunner is your answer. It's built to handle all the whoop pounding abuse you can dish out and backed by a Lifetime Warranty so you can keep the pedal on the floor and drive deep into the night for years to come!

LIMITED LIFETIME WARRANTY

NEW PRODUCTS

- LEDgend LED Lights - Page 6
- Universal Mounting Bracket - Page 5, 11, 18
- ATV & Motorcycle Baja Guard Mount - Black - Page 11
- Battery Power Kits - Page 29

baja designs

SOL TEK
LIGHT SYSTEMS
by **baja designs**

NEW

ALL LIGHTS ARE NOT CREATED EQUAL.

Diablo Rally Dual HID or Dual Halogen

The Diablo Rally racelight is the latest and greatest addition to the off-road motorcycle world.
The optics of the Diablo light has been a favorite of aggressive trail riders for many years. Now with two Diablo lenses mounted vertically you have twice the light without the weight of the larger 8" lights. This light is THE BEST trail light on the market. No other light even comes close!
The Diablo Rally incorporates the rapid aiming and quick-release features of our other Racelights while maintaining a super-slim profile and manageable weight.

.715 TALL
.925 Dia.

NEW
LED Dome/Rock Crawler Light

Available in:
Tube Mount and Panel Mount

- Super Bright
- Super Small
- Broad, Smooth Pattern

- Mounts Anywhere
- 1 ½ times as bright as competitors larger 15 LED light

COMING SOON
LED Helmet & Mountain Bike Light

- 900 lumens (equivalent to 12 watt HID)
- 5000K Daytime White color
- Only 225 Grams (approx 8 ozs)
- Actual Optics that are optimized for off-road (not just a bright flashlight)
- Lithium Polymer Battery Powered
- Visible Battery Level Indicator
- High & Low power settings
- Waterproof

Battery Level Indicator

3.15 Long
2.47 Dia.

AVAILABLE MARCH 2009