SHIMANO

ACERA X



Selling Tips for Acera-X

- **Dual SIS** index shifting with 7-speed cassette sprockets and triple chainrings.
- **Advanced Light Action** system reduces shifting effort
- **Optical Gear Display** for easy gear verification
- **HG Sprockets** deliver smoother, faster SIS shifts.
- **Parallax Hubs** increase wheel strength
- **Top-Swing Front Derailleur** reduces component weight and shifting effort.
- **M-System** Brakes work in all weather conditions
- **HyperDrive C** drivetrain reduces weight and increases ground clearance.

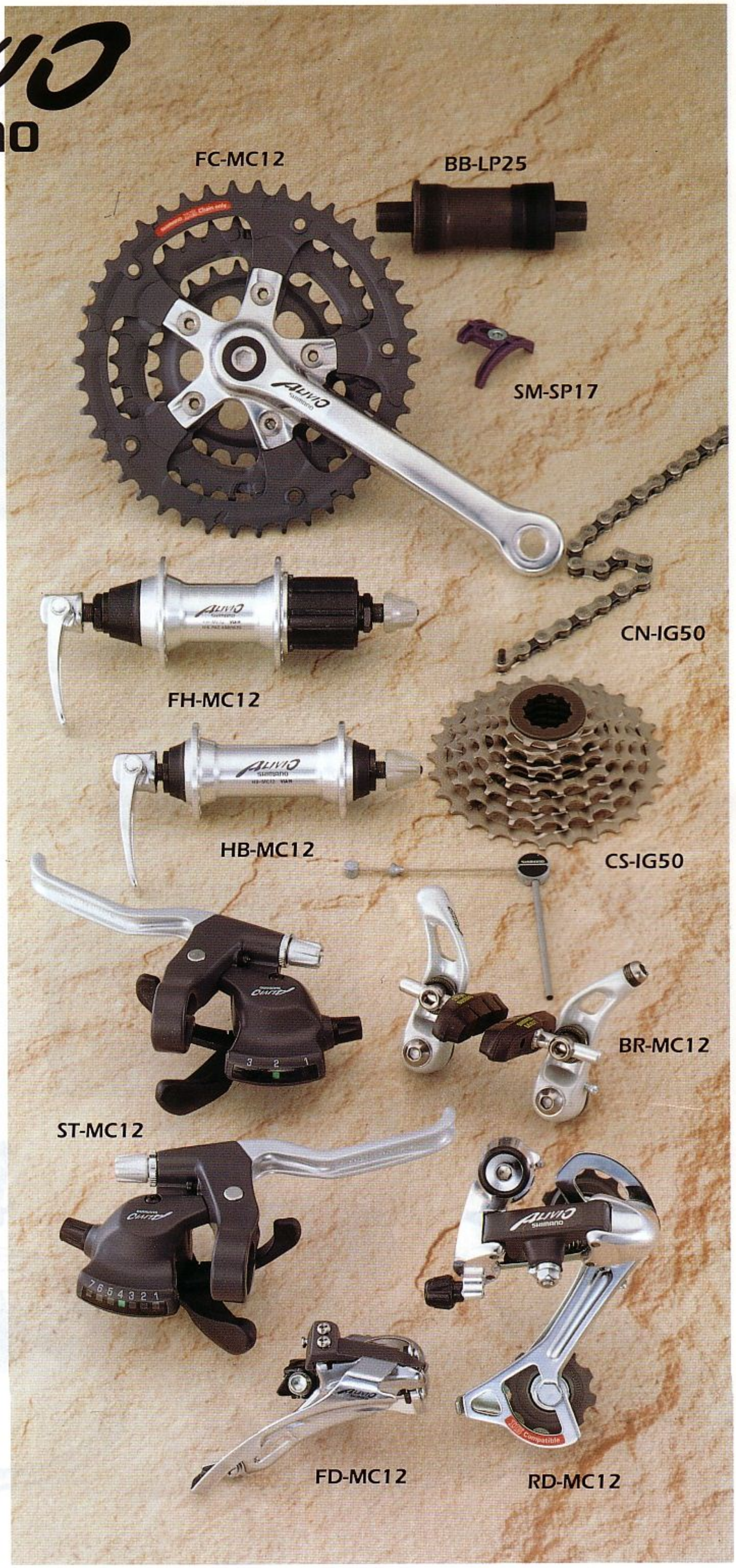


ALIVIO
SHIMANO



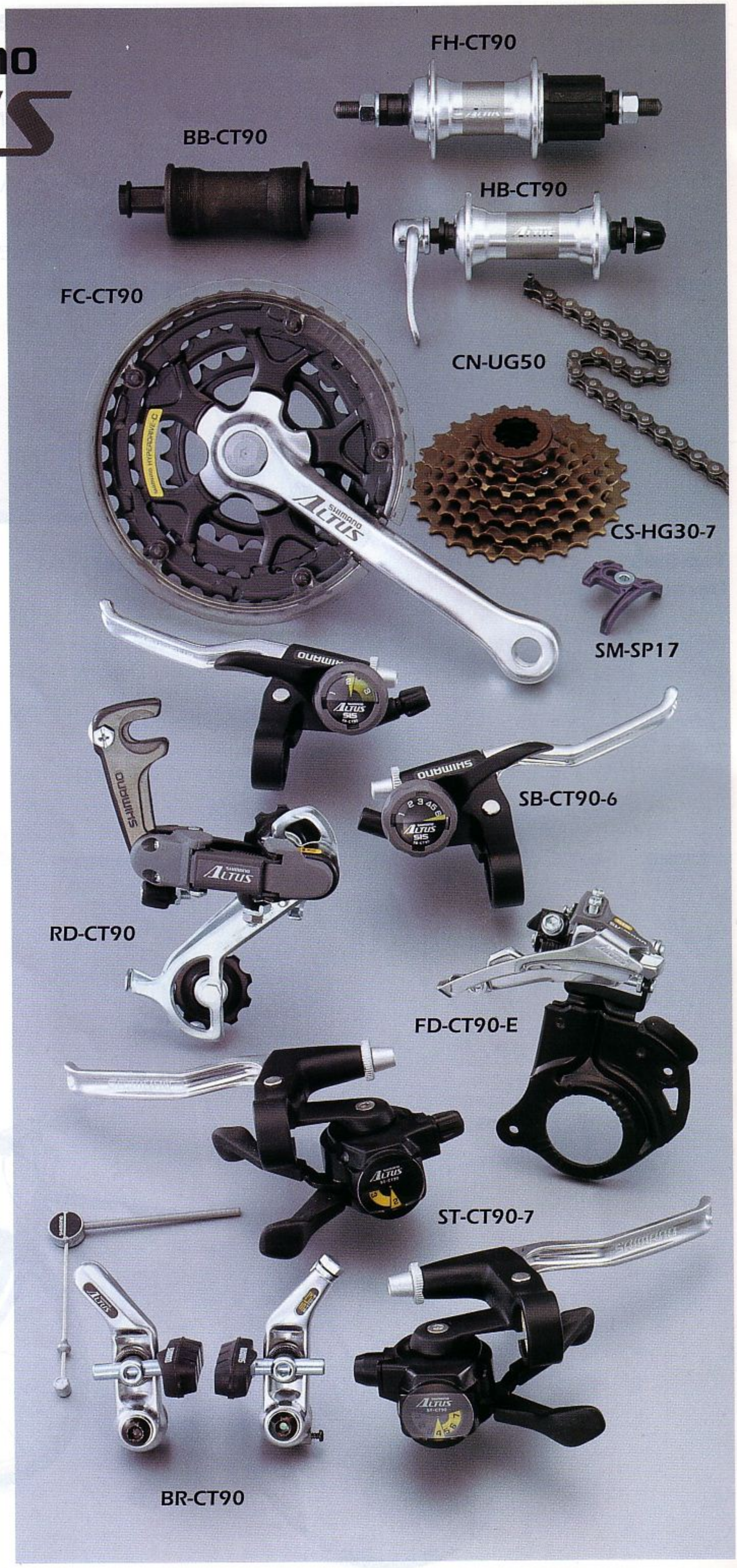
Selling Tips for Alivio

- **Dual SIS** provides adjustment-free index shifting for both rear and front derailleurs.
- **IG Drivetrain** makes SIS shifting smoother and quieter.
- **Advanced Light Action** reduces shifting effort.
- **Optical Gear Display** provides instant gear verification.
- **Top-swing Front Derailleur** reduces chainwheel shifting effort
- **HyperDrive-C** reduces chainring and sprocket size to save weight.
- **Anti-Vibration M-System** brakes work silently and effectively in all weather conditions.
- **Aluminum QR** levers reduce wheel weight and resists rust.



SHIMANO

ALTUS





Selling Tips for Altus C90

- **Pre-Select rear derailleur** allows lever movement without pedaling.
- **Rapidfire TX** levers make gear shifting fast and easy
- **Advanced Light Action** reduces shifting effort.
- **Optical Gear Display** provides easy gear verification
- **HG Sprockets** make shifting smoother and more precise.
- **Parallax Hubs** increase wheel strength
- **Top-Swing Front Derailleur** reduces shifting effort.
- **HyperDrive-C** drivetrain is more compact to reduce weight and increase ground clearance.

ST-M564

ST-M563

BB-UN51

PD-M525

FH-M565

CS-HG70-8

SM-SP17

HB-M563-A

RD-M565

FD-M565

CN-HG70

HP-M563

HB-M564-A

ST-M565

FC-M563-S

BR-M565

ST-M566

PD-M535

SM-SP17

SP-M730

BB-UN71

DF-M730

SO-M730

FC-M737

RD-M737

HB-M738-A

FD-M737

HP-M741

CN-HG90

FH-M737-A

HB-M737-A

CS-M737-8

ST-M738

PD-M737

BR-M737

FC-MC33

BB-UN51

PD-M323

SM-SP17

HP-MC30
HP-MC31

CS-IG60

CN-IG50

FH-MC33

HB-MC33

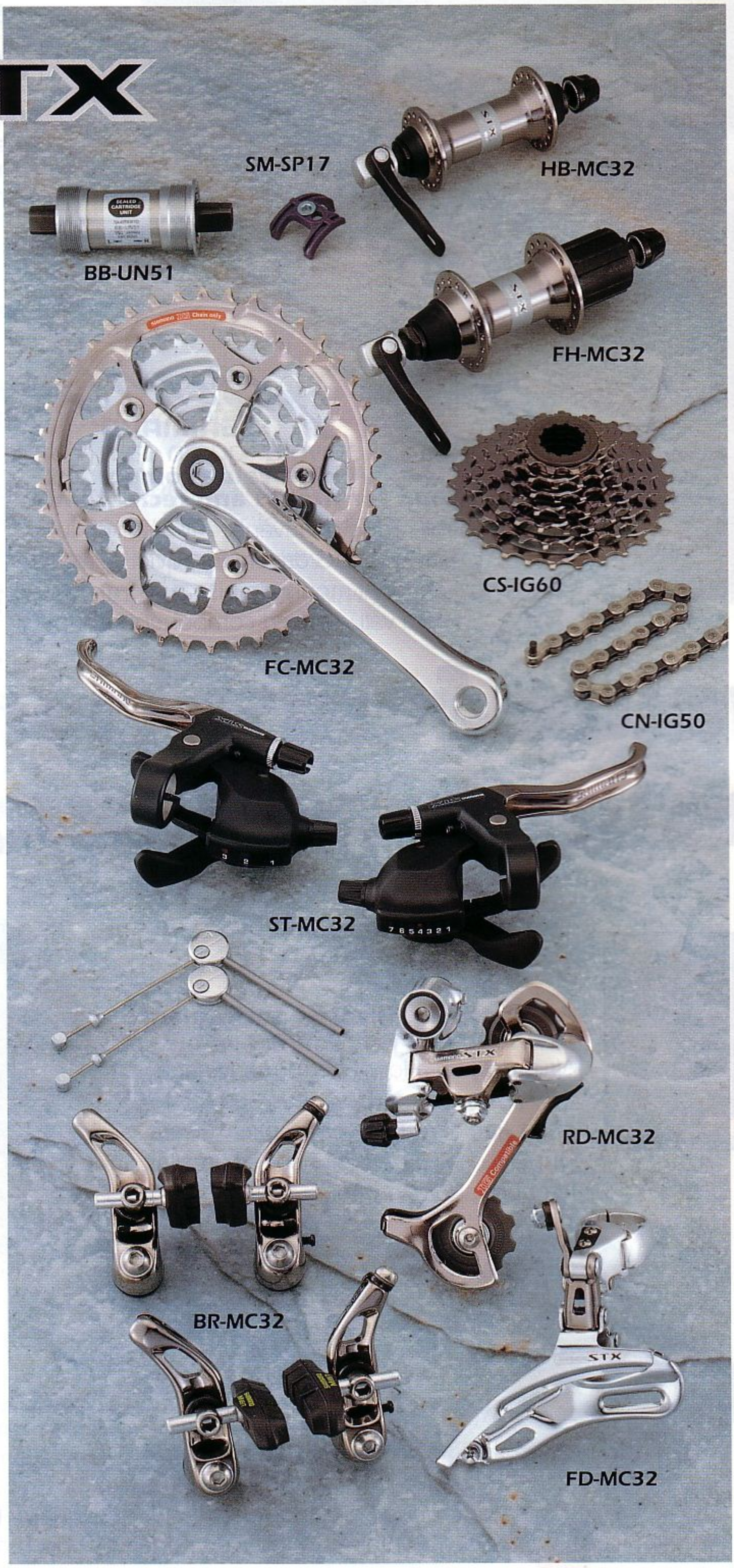
ST-MC33

FD-MC33

RD-MC33

BR-MC33

SHIMANO STX





Selling Tips for STX Bicycles

- **IG Drivetrain** provides the best SIS shifting ever.
- **Dual SIS** shifting with 7-speed cassette sprockets and triple chainrings.
- **Advanced Light Action** system reduces shifting effort.
- **Optical Gear Display** provides instant gear verification.
- **HyperDrive-C** reduces chainring and sprocket size to save weight.
- **Anti-Vibration M-System** brakes work silently in all weather conditions
- **Aluminum QR** components reduce weight
- **Stainless Steel hardware** keeps components looking new

SP-M900

SP-M910

SM-SP17

PD-M737

SQ-M900

BB-UN91

HP-M900

FH-M910

HB-M910

CN-7401

FC-M900-ti

RD-M910

FD-M900

ST-M910

CS-M900

BR-M900-C

PD-M747

SHIMANO DEORE LX

Deore LX is packed with more performance than ever for 1995. New Parallax hubset features aluminum quick-release and 8-speed freehub with HG cassette sprockets. Rapidfire Plus lever set now offers a redesigned easy-to-read Optical Gear Display and trigger-action release lever. New cantilever arms are equipped with cartridge-type M-System pads. Shimano's new PD-M535 SPD pedal is a great finishing touch.

8-Speed Dual SIS

Dual SIS delivers error-free chainwheel shifting with click-stop precision for both rear and front derailleurs. Deore LX uses 8-speed HG cassette sprockets for a wider gear selection. New SP36 shift cable improves gear changing performance with a more precise cable action.



Deore LX lever set variations

Lever Set	Speeds	Lever Size	Servo-Wave	Shifting cable
ST-M566	8	2-finger	yes	SIS-SP36
ST-M565	8	2.5-finger	no	SIS-SP36
ST-M564	7	2-finger	yes	SIS-SP
ST-M563	7	2.5-finger	no	SIS-SP

Use SIS-SP36 sealed outer cable at derailleur side.



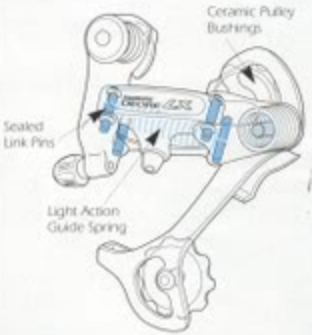
M-System Brakes

M-System brakes stop you even when the rims are wet, muddy, or dusty. ST-M564 (7-speed) and ST-M566 (8-speed) Rapidfire Plus lever sets feature modulated servo-wave action and 2-finger brake levers.



Advanced Light Action

Advanced Light Action uses new designs (including an extension coil spring in the rear derailleur) to reduce shifting effort for the front and rear derailleurs. Shifting gears becomes easier and lighter.



Parallax Hubs

The Parallax hub set uses an oversize body and beefy spoke flanges that increase hub rigidity and wheel strength. Front axle has a 10mm diameter center section for greater strength, but retains standard 9mm ends that fit into conventional dropouts (HB-M654-A). Aluminum aluminum quick-release levers help reduce weight.



HyperDrive-C

HyperDrive-C drivetrain uses smaller 42-32-22 chainrings and 11-28T cassette sprockets to reduce drivetrain size and weight with no loss in gearing range. Deore LX cranksets come in two variations – the FC-M563-S type with silver crank arms and black chainrings, and the FC-M563-B model with black crank arms and silver chainrings.



FC-M563-B

SPD

Shimano Pedaling Dynamics gives you clipless pedaling efficiency in a shoe that's comfortable to walk in. The recessed cleat of the SPD shoe never comes in contact with the ground when you walk. The new PD-M535 SPD pedal is a great addition to the Deore LX group. It features a smaller and lighter pedal body and reduced cleat insertion effort.

Available early 1995



A stylish component group that looks as good as it performs.

The STX component group, now with IG drivetrain, brings high-performance functions and an elegant new look to the mid-level mountain bike. Lustrous Chromica plating on the Parallax hubs, brake levers, and cantilever arms enhances STX's high-performance image. Shimano STX it's the perfect combination of performance, style, and value.





IG Drivetrain for smoother, more precise shifting.

New IG-type derailleurs, sprockets, chainrings, and chain provide the best SIS shifting yet. Shifts are faster, smoother, and quieter than ever with the shock of upshifting significantly reduced.

More Effective Braking (Anti-Vibration M-System)

STX's cantilever brakes feature anti-squeal design that suppresses squeal-inducing vibrations. High-efficiency M-System design and new all-weather pad compound assure dependable stopping power in any environment, even when the rims are wet, dusty, or muddy.

Long Lasting Beauty

Polished crank and Chromica plating on the Parallax hubs, brake levers, and cantilever arms gives STX a stylish appearance that enhances any mountain bike. Rust-resistant stainless steel hardware helps components stay looking new for years.









SHIMANO STX RC

STX-RC is for cyclists who demand both performance and style. A new high-performance version of the STX group introduced in 1994, STX-RC uses the new IG drivetrain for the best SIS shifting performance yet. STX-RC offers top-mounted competition-type Optical Gear Displays on the Rapidfire Plus levers. Chromica-plated crank arms, polished hubs, and anti-vibration M-System brakes with cartridge pads are all features not found on the standard 1995 STX group.

IG Drivetrain

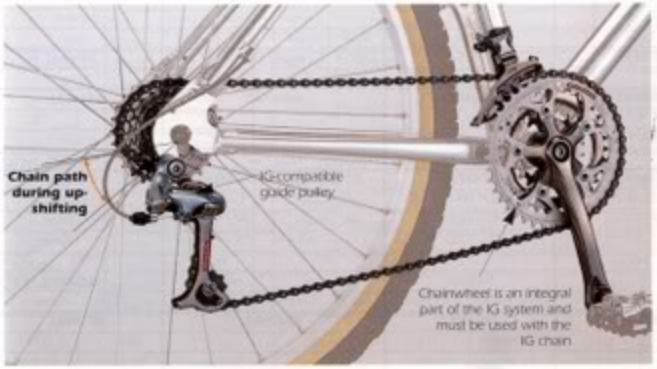
The IG drivetrain upgrades shifting performance through integrated IG design of the derailleurs, chainrings, chain, and rear sprockets. In addition to fast and precise downshifting, IG offers quieter, shock-free upshifting by allowing the chain to separate from the sprocket only at designated release points.

IG Rear Derailleur

In addition to Advanced Light Action design, the STX-RC rear derailleur incorporates a stronger pivot bracket spring to increase chain tension. This, in combination with the IG chain, sprockets, and pulleys, prevents the chain from separating from the sprocket at non-designated points.

Optical Gear Display

STX-RC features a competition-type Optical Gear Display mounted above the bar for easy gear verification in or out of the saddle. The sliding digital readout OGD unit can be easily replaced without the need to remove the lever set from the handle bars.





Parallax Hubs

STX-RC Parallax hubs feature an oversize body and beefy spoke flanges that increase hub rigidity and wheel strength. Front axle has a 10mm diameter center section for greater strength, but the axle ends retain the conventional 9mm diameter for mounting into standard fork dropouts (HB-MC33-SJ. Aluminum alloy quick-release lever and housing reduce weight.



Anti-Vibration M-System Brakes

STX-RC uses the new all-weather M-System cantilever brakes that feature anti-squeal design. Vibration analysis was applied to design more rigid cantilever arms and pad holders that help suppress the vibrational frequencies that induce squealing. The M-System pads also use a new anti-squeal compound.



* New anti-vibration pad compound and larger pad holder help eliminate squealing.
* Cantilever arm has been re-designed for greater rigidity. More metal has been added around the adjuster screw.



SHIMANO DEORE XT

This is the original. Deore XT set the first performance standards for the mountain bike. Tough, lightweight, and loaded with advanced functions, the Deore XT mountain bike is at home in competition, in the mountains, or anywhere you want to ride it. New for 1995 are Parallax hubs with aluminum quick release, redesigned Rapidfire Plus lever set with removable Optical Gear Display, cartridge-type brake pads.

Optical Gear Display

Deore XT's Optical Gear Display lets you verify your gear at a glance through a large easy-to-see display built into the lever unit. Removable display pod can be easily replaced without removing the lever from the handle bar.



Advanced Light Action

Deore XT's Advanced Light Action uses low-friction derailleurs, cables, and levers to reduce shifting effort. Rear derailleur uses a new coil extension spring that provides more uniform tension throughout the stroke. SIS shifting has never been so easy.

HG-Sprockets

Special tooth shapes and profiled shift ramps guide the chain directly from sprocket to sprocket for faster engagement without override. HG sprockets make SIS gear shifting faster, smoother, and more precise under pedaling pressure. Aluminum Spider Arm increases strength and reduces weight.



Dual SIS

Shift both rear and front derailleurs with index SIS precision. 8-speed HG cassette widens gear selection while providing superior chain control. New SP36 sealed cable assures perfect SIS shifting performance in all riding environments.

HyperDrive-C

HyperDrive-C is a more compact drive system that uses smaller 42-32-22 chainrings and 11-28T cassette sprockets to reduce drivetrain size and weight with no loss in gearing range. Chainring ground clearance is also increased.



Parallax Hubs with Alloy Quick Release

Thicker spoke flanges and oversize hub body make a stronger, more rigid wheel. Contact-type seals help to keep out water, mud, and dirt. New aluminum quick-release lever, housing, and adjuster nut reduce wheel weight.



M-System

M-System takes the worry out of braking. The M-System pad compound was developed to maintain a high frictional coefficient, even when the rims are wet, muddy, or dusty. Levers, cables, and cantilever arms were designed to operate more efficiently with less friction.



SHIMANO XTR

XTR says all you need to know about off-road performance. It's the lightest, strongest, highest-performance mountain bike group available today. All major components have been computer-designed and cold forged from high-grade aluminum to achieve the optimum balance of strength, and lightness, and durability. New stainless steel fasteners resist rust and tarnishing. Titanium crank bolts and aluminum chainring hardware reduce weight.

Optical Gear Display

A quick glance at the indicator helps you plan shifts and do less gear hunting. XTR's indicator is conveniently angled so it's easy to see in both sitting and standing positions. The OGD unit can now be easily removed or replaced without taking the lever set off of the handle bars.

Available early 1995

Advanced Light Action

Rear derailleur uses coated pivot bushings and an extension coil link tensioning spring instead of the conventional torsion type. The result is reduced shifting effort and more uniform tension throughout the derailleur's stroke.



HyperDrive System

SG-X chainrings provide fast and smooth shifting. Titanium crank bolts and aluminum chainring bolts reduce weight. Super low profile crank arms provide plenty of ankle clearance.



Dual SIS

Eight speeds in the rear and three in front - all available with the index precision of Dual SIS.

Parallax Hubs

The Parallax hub makes a stronger, more rigid wheel through an oversize body that provides more support for the spoke flanges. Stainless steel bearings and mirror-polish races for a precision rotating action. Alloy axle and quick-release reduces weight.



HG Cassette Sprockets

Computer-designed HG sprockets provide a higher level of chain control for enhanced SIS shifting. Aluminium Spider Arm increases strenght and reduces weight.



M-System Brakes

M-System brakes keep working even when they're wet or muddy. Separate front and rear cantilever designs plus stronger A-type unit link cable assure dependable braking. Oversize cartridge-type pads feature new M-System compound. Two-finger competition lever with modulated servo-wave action.



New Aluminum Alloy Seat Post

Butted design realizes increased strength with reduced weight. Butted area fits in seat tube to provide additional strength at longer extensions.

