



Star
MOTORCYCLES

THE ALL NEW...

Vmax



Vmax

ENGINE



CHASSIS

ENGINE

ALL NEW DESIGN

- 1679cc LIQUID COOLED
- 65° V4 CONFIGURATION
- 4 VALVES PER CYLINDER
- DOHC
- FUEL INJECTED
- YCC-T
- YCC-I
- 11.3:1 COMPRESSION RATIO
- 5 SPEED TRANSMISSION
- SLIPPER CLUTCH
- EXUP
- SHAFT DRIVE



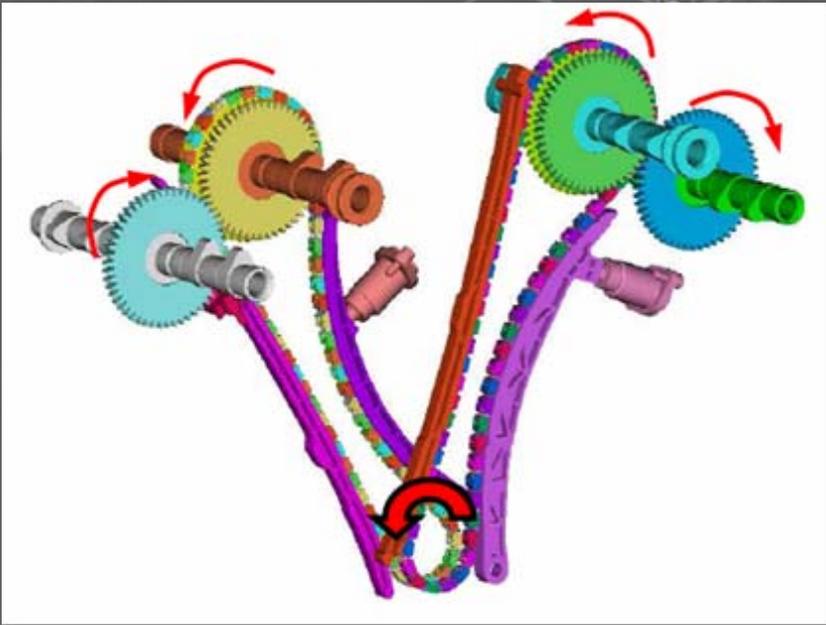
ENGINE

- LIGHTWEIGHT FORGED ALUMINUM PISTONS
 - 90mm x 66mm (BORE x STROKE)
- FRACTURE SPLIT CONNECTING RODS



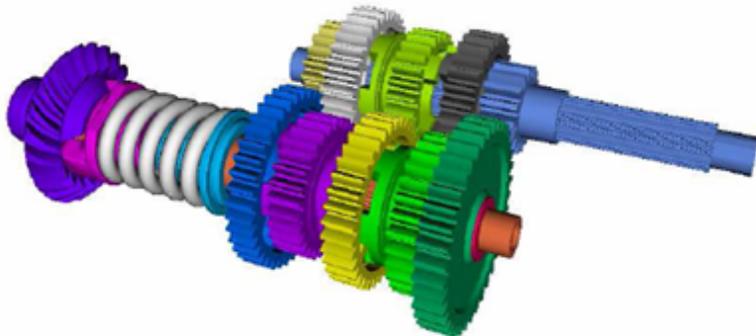
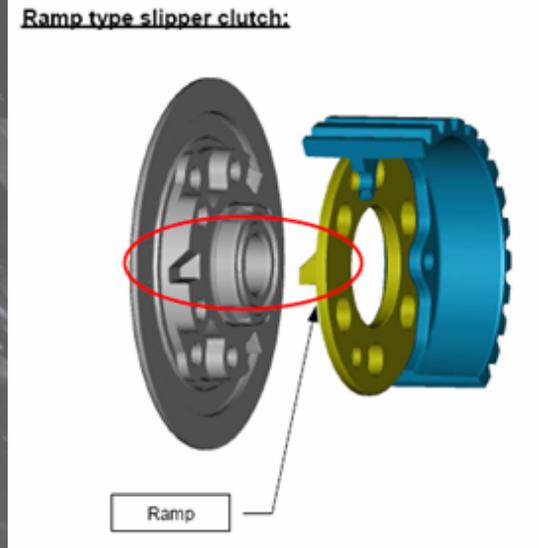
ENGINE

- CHAIN AND GEAR DRIVEN CAMSHAFT SYSTEM
 - INTAKE CAMSHAFT IS DRIVEN BY CHAIN
 - EXHAUST CAMSHAFT IS DRIVEN BY GEAR MECHANISM



ENGINE

- 5 SPEED TRANSMISSION
- RAMP TYPE SLIPPER CLUTCH



Primary reduction ratio	Reduction ratio	Secondary reduction ratio
86/57=1.509	1st 38/16=2.375	(22/23)X(29/9)=3.082
	2nd 38/21=1.810	
	3rd 35/25=1.400	
	4th 29/26=1.115	
	5th 29/31=0.935	

ENGINE

- 4-1-2-4 EXHAUST SYSTEM
- 3 WAY CATALYTIC CONVERTER WITH OXYGEN SENSOR
- EXUP EXHAUST VALVE
- TITANIUM MUFFLER CANISTERS



INTELLIGENCE

- MULTIFUNCTION METER INCLUDES:
 - SPEEDOMETER, TACHOMETER W/SHIFT LIGHT, & INDICATOR LIGHTS
- ORGANIC ELECTRO LUMINESCENCE MULTIFUNCTION DISPLAY INCLUDES:
 - ODOMETER, CLOCK, DUAL TRIP & RESERVE TRIP, FUEL GAUGE, GEAR POSITION INDICATOR, COOLANT TEMP., MPG, INTAKE AIR TEMP., THROTTLE VALVE OPENING ANGLE, STOPWATCH, & COUNTDOWN INDICATOR



Normal mode:



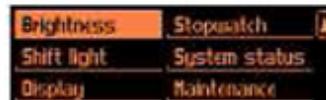
System status mode:



Stopwatch and countdown mode:



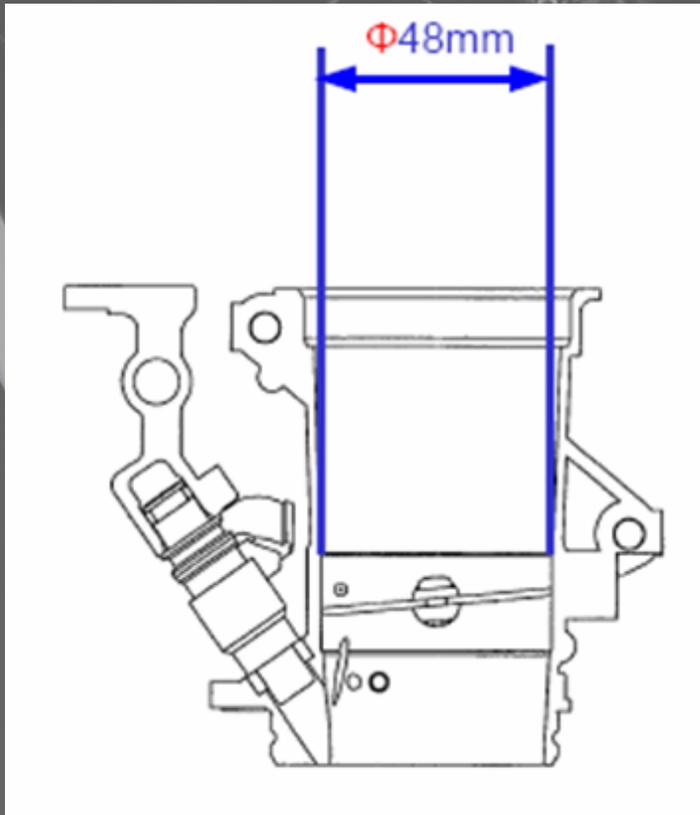
Adjustment mode:



A	Odometer
B	Clock
C	Tripmeter (twin type)/Fuel reserve tripmeter
D	Fuel meter
E	Transmission gear
F	Coolant temperature
G	Instantaneous fuel consumption
H	Intake air temperature
J	Throttle valve opening angle
K	Stopwatch
L	Countdown indicator

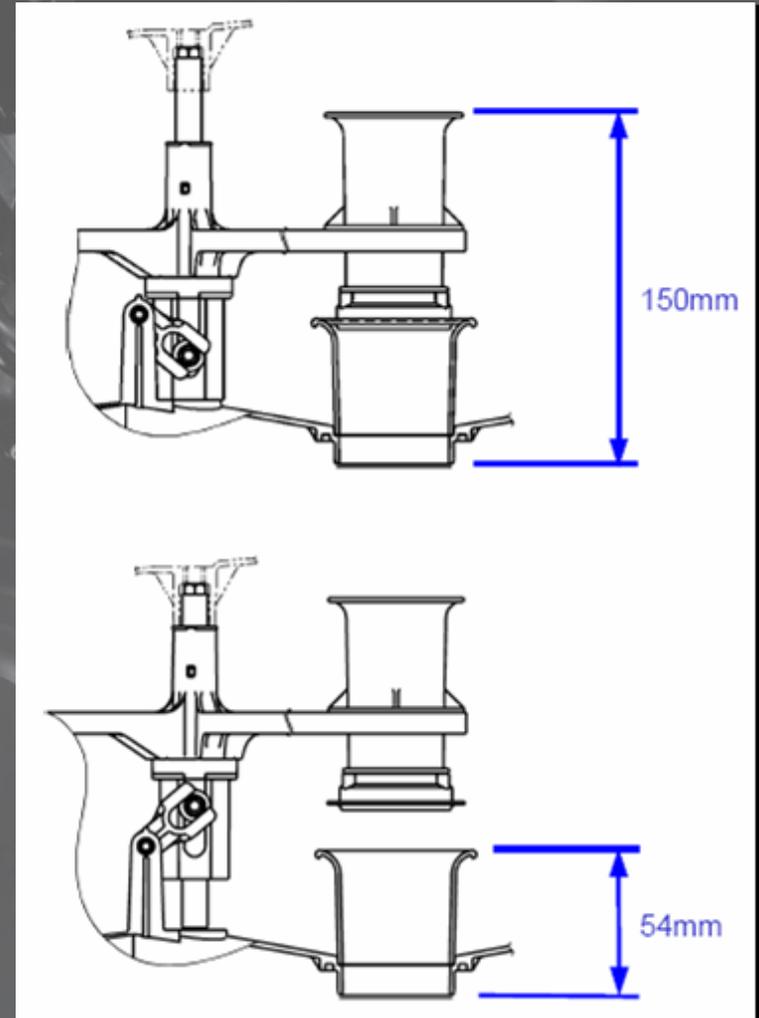
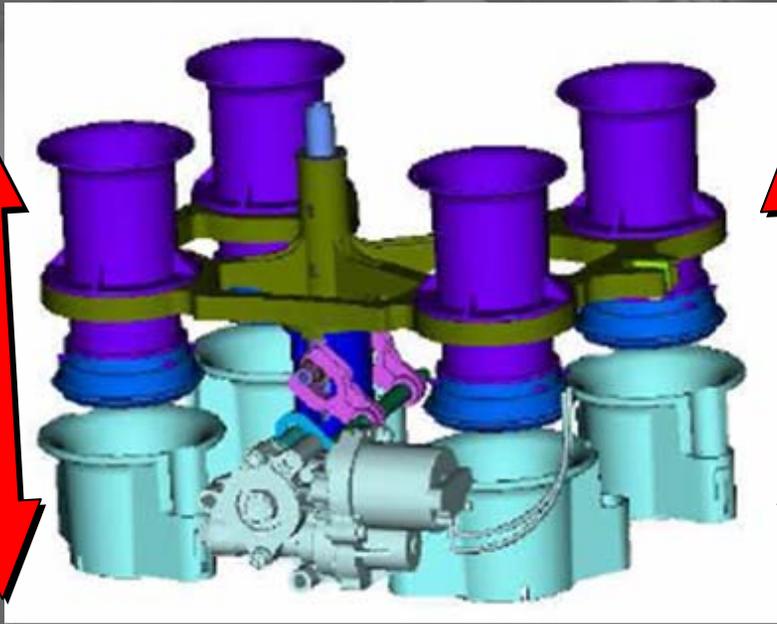
INTELLIGENCE

- YAMAHA CHIP CONTROLLED THROTTLE
- 48mm THROTTLE BODY



INTELLIGENCE

- YCC-I (YAMAHA CHIP CONTROLLED INTAKE)
 - SWITCHABLE FUNNEL LENGTHS FROM TALL (150mm) TO SHORT (54mm) AT 6,650 RPM



CHASSIS

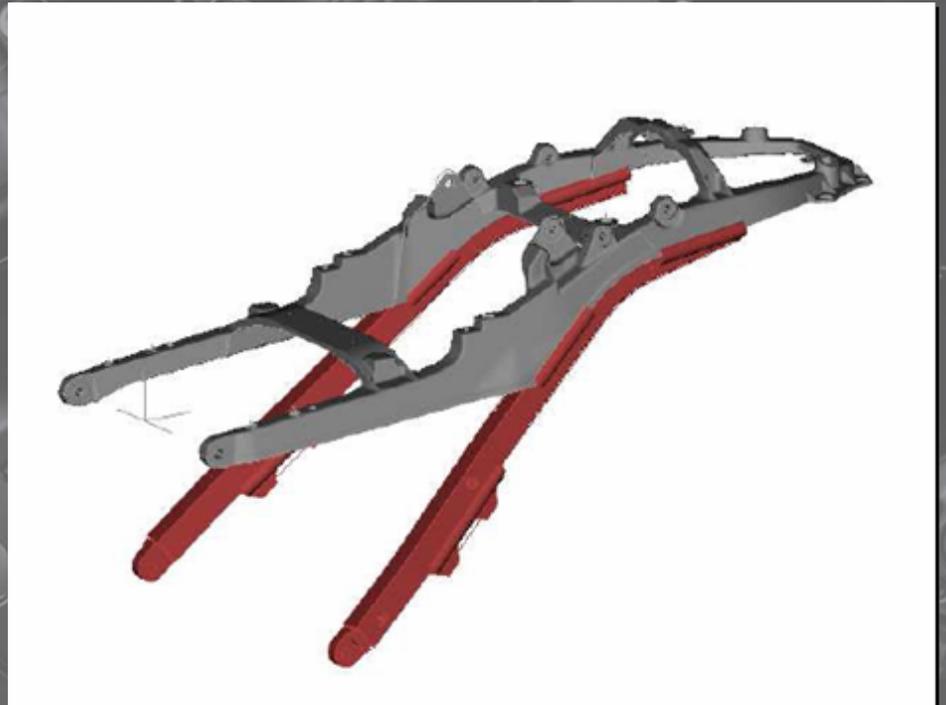
ALL NEW DESIGN

- ALUMINUM FRAME
- ALUMINUM SWINGARM
- 52mm OXIDIZED TITANIUM COATED FORK
- FULLY ADJUSTABLE SINGLE REAR SHOCK
- ABS WITH WAVE TYPE BRAKE ROTORS
- MULTIFUNCTION DASH WITH SHIFT LIGHT EQUIPPED TACHOMETER



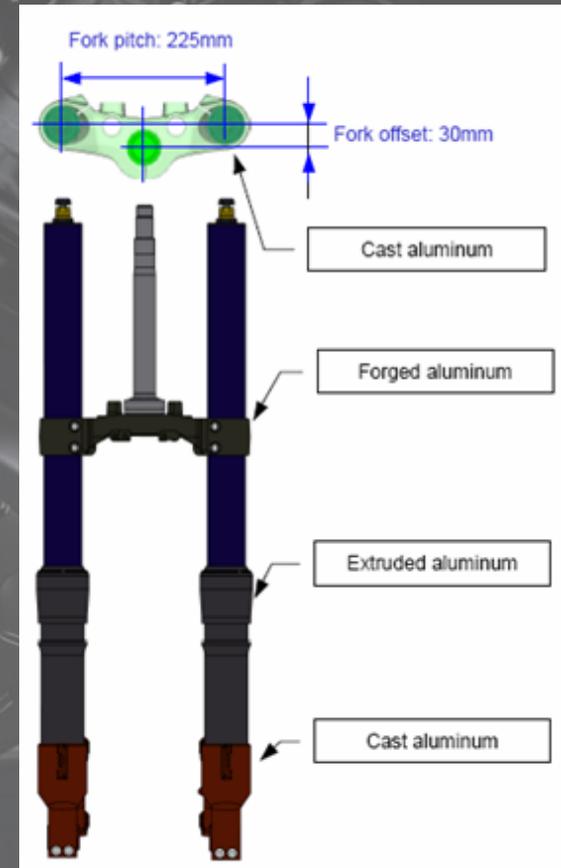
CHASSIS

- NEWLY DESIGNED CAST ALUMINUM MAIN FRAME
- CF DIE CAST AND EXTRUDED ALUMINUM SUB FRAME



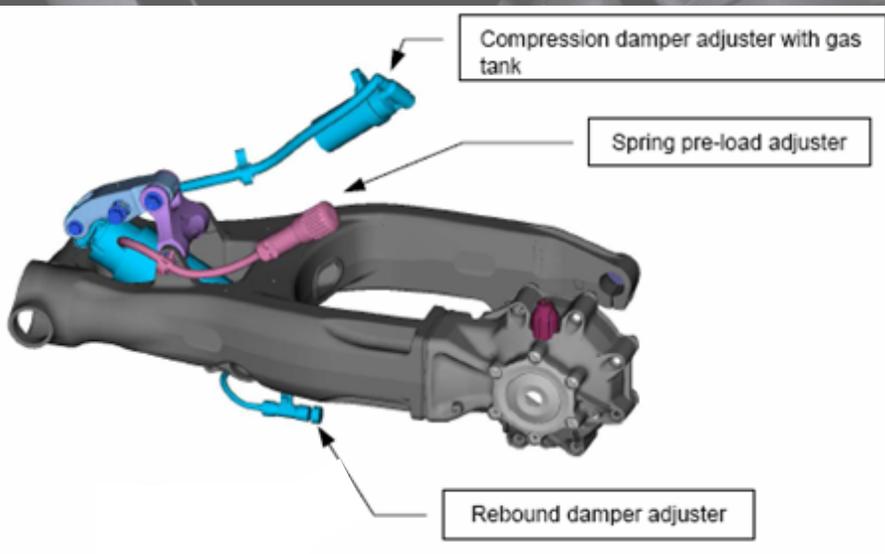
CHASSIS

- 52mm TITANIUM OXIDE COATED FORK
- ADJUSTABLE PRELOAD, COMPRESSION, & REBOUND
- 4.7" OF TRAVEL
- CAST ALUMINUM TOP TRIPLE CLAMP
- FORGED ALUMINUM BOTTOM TRIPLE CLAMP



CHASSIS

- LINKED TYPE MONOCROSS REAR SUSPENSION
- SINGLE SHOCK WITH ADJUSTABLE PRELOAD, COMPRESSION, & REBOUND
- 4.3" OF TRAVEL
- NEWLY DESIGNED CAST ALUMINUM SWINGARM



CHASSIS

- BREMBO RADIAL PUMP MASTER CYLINDER & RADIAL MOUNT SUMITOMO 6 PISTON FRONT BRAKE CALIPERS
- BREMBO MASTER CYLINDER & AKEBONO REAR BRAKE CALIPER
- 320mm WAVE-TYPE FRONT DISCS
- 298mm WAVE-TYPE REAR DISC
- ABS



Vmax

*MARKETING
PLAN*



MARKETING PLAN

- MSRP ~ \$17,990
- MY09 Production ~ Limited to 2,500 units
- Retail Sales ~ Priority Delivery Program
 - Order Period ~ June 4 through Oct 31, 2008
 - Customer Deposit ~ \$1,000
 - 2 Year Warranty
 - Limited edition, numbered commemorative plate
 - Retail Delivery Beginning late Oct ~ early Nov
- Advertising:
 - Print, Internet (video)
 - In-dealer: Brochure, POP
 - Media & Consumer Events (display & demo rides)

Vmax



THANK YOU!

VMAX SPECS

•Angle of Engine V bank	65°
•YCC-I Funnel shift timing	6,650 RPM
•Length of Funnel (long)	150mm
•Length of Funnel (short)	54mm
•Inner tube diameter of front fork	52mm
•Exhaust layout	4-1-2-4
•Valve Angles	Intake side:14° + exhaust side:15° =29°
•Front-rear length of engine	506mm; 27mm shorter than existing model
•Height of engine	606mm; 6.5mm higher than existing model
•YCC-T calculating capacity	1/1000 of a second
•YCC-T control signals	1/100 of a second
•Number of rear gear teeth	29
•Diameter of rear gear	188mm
•Wall thickness of main frame	3mm~6mm
•Length of rear arm	662.5mm
•Fork pitch of under bracket	225mm
•Fork offset of under bracket	30mm
•Diameter of front brake	320mm
•Thickness of front brake	5.5mm
•Diameter of rear brake	298mm
•Thickness of rear brake	6mm
•Number of pixels of display	256x64dot