

Item	ZX900-A3
Ignition timing	From 10° BTDC @1,000 r/min (rpm) to 35° BTDC @3,500 r/min (rpm)
Spark plug	NGK DR8ES or ND X27ESR-U (C) NGK DR8ES-L or ND X24ESR-U (A) (SA) (I) NGK D9EA or ND X27ES-U (U) NGK D8EA or ND X24ES-U
Cylinder numbering method	Left to right, 1-2-3-4
Firing order	1-2-4-3
Valve timing: Inlet	Open 45° BTDC Close 65° ABDC Duration 290°
Exhaust	Open 65° BBDC Close 45° ATDC Duration 290°
Lubrication system	Forced lubrication (wet sump with cooler)
Engine oil: Grade	SE or SF class
Viscosity	SAE10W40, 10W50, 20W40, or 20W50
Capacity	4.0 L
<b>Drive Train:</b>	
Primary reduction system:	
Type	Gear
Reduction ratio	1.732 (97/56)
Clutch type	Wet multi disc
Transmission: Type	6-speed, constant mesh, return shift
Gear ratios: 1st	2.800 (42/15)
2nd	2.000 (38/19)
3rd	1.590 (35/22)
4th	1.333 (32/24)
5th	1.153 (30/26)
6th	1.035 (29/28)
Final drive system: Type	Chain drive
Reduction ratio	2.882 (49/17), (A) 2.823 (48/17), (C) (U) 2.941 (50/17)
Overall drive ratio	5.170, (A) 5.065, (C) (U) 5.276 @Top gear
<b>Frame:</b>	
Type	Tubular, diamond
Caster (rake angle)	29°
Trail	114 mm

(Continued on next page.)