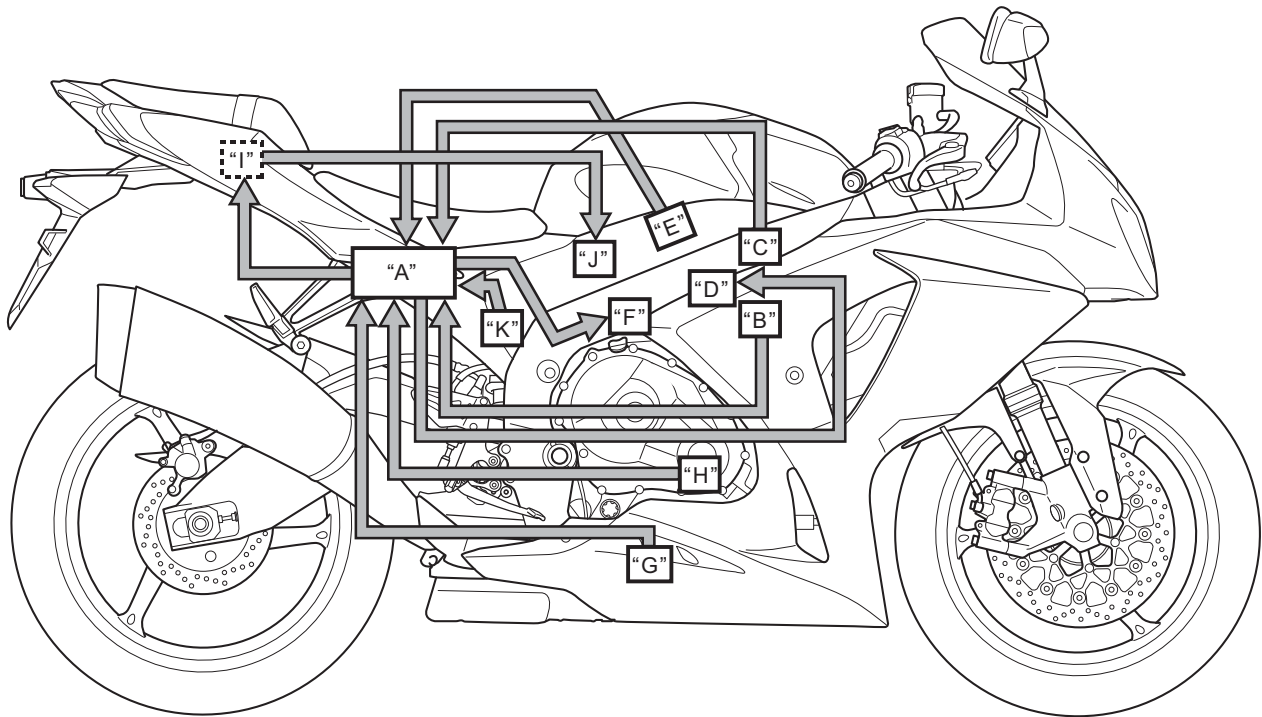


Component Location

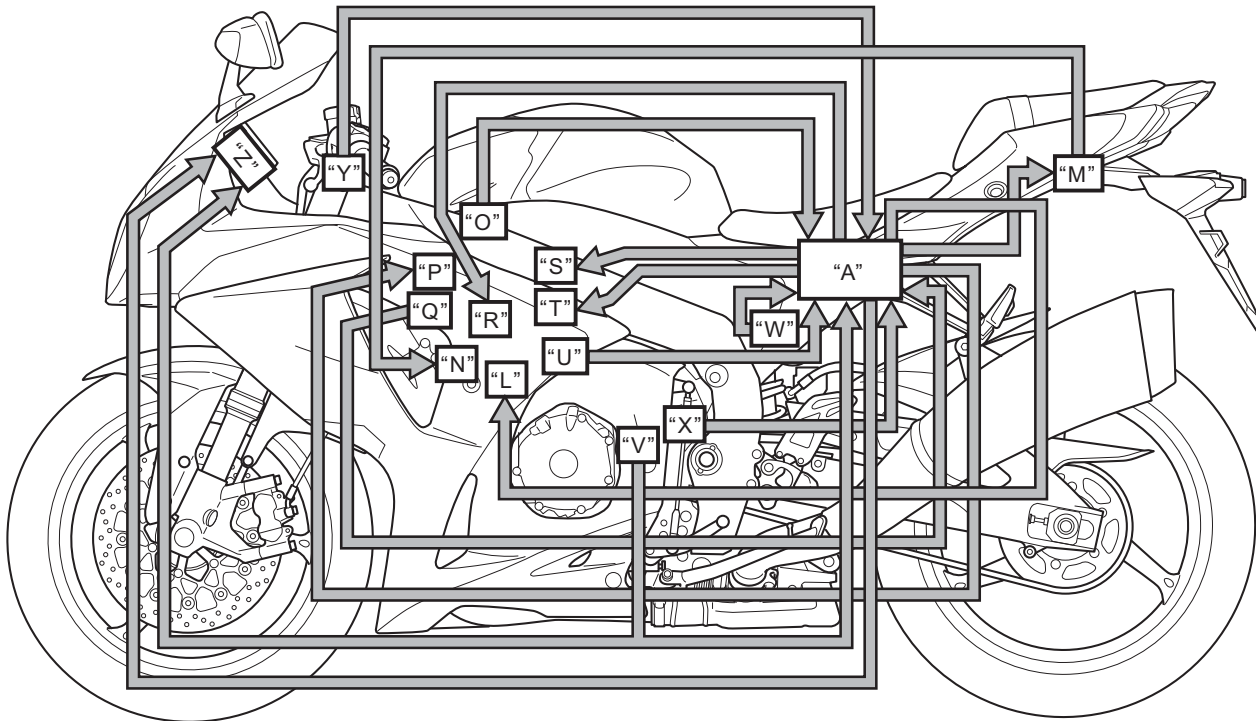
FI System Parts Location

B947H21103001



I947H1110005-01

"A": ECM	"E": Intake air pressure sensor (IAPS)	"I": Fuel pump relay (FP relay)
"B": Throttle position sensor (TPS)	"F": EVAP system purge control solenoid valve (E-33 only)	"J": Fuel pump (FP)
"C": Secondary throttle position sensor (STPS)	"G": Heated oxygen sensor (HO2S)	"K": Tip-over sensor (TOS)
"D": Secondary throttle valve actuator (STVA)	"H": Crankshaft position sensor (CKPS)	



I947H1110006-01

"A": ECM	"Q": Camshaft position sensor (CMPS)	"W": Atmospheric pressure sensor (APS)
"L": Exhaust control valve actuator (EXCVA)	"R": Ignition coil (IG coil)	"X": Gear position switch (GP switch)
"M": Cooling fan relay	"S": Secondary fuel injector	"Y": Drive mode selector
"N": Cooling fan	"T": Primary fuel injector	"Z": Combination meter
"O": Intake air temperature sensor (IATS)	"U": Engine coolant temperature sensor (ECTS)	
"P": PAIR control solenoid valve	"V": Speed sensor	

Diagnostic Information and Procedures

Engine Symptom Diagnosis

B947H21104001

Condition	Possible cause	Correction / Reference Item
Engine will not start or is hard to start (Compression too low)	Valve clearance out of adjustment.	<i>Adjust.</i>
	Worn valve guide or poor seating of valve.	<i>Repair or replace.</i>
	Mistimed valve.	<i>Adjust.</i>
	Excessively worn piston ring.	<i>Replace.</i>
	Worn-down cylinder bore.	<i>Replace.</i>
	Too slow Starter motor cranking.	<i>Refer to "Starting System Diagram in Section 11 (Page 11-1)".</i>
Engine will not start or is hard to start (Plug not sparking)	Poor seating of spark plug.	<i>Retighten.</i>
	Fouled spark plug.	<i>Clean.</i>
	Wet spark plug.	<i>Clean and dry.</i>
	Defective ignition coil.	<i>Replace.</i>
	Defective CKP sensor.	<i>Replace.</i>
	Defective ECM.	<i>Replace.</i>
Engine will not start or is hard to start (No fuel reaching the intake manifold)	Open-circuited wiring connection.	<i>Repair or replace.</i>
	Clogged fuel filter or fuel hose.	<i>Clean or replace.</i>
	Defective fuel pump.	<i>Replace.</i>
	Defective fuel pressure regulator.	<i>Replace.</i>
	Defective fuel injector.	<i>Replace.</i>
	Defective fuel pump relay.	<i>Replace.</i>
	Defective ECM.	<i>Replace.</i>
Open-circuited wiring connection.	<i>Check and repair.</i>	