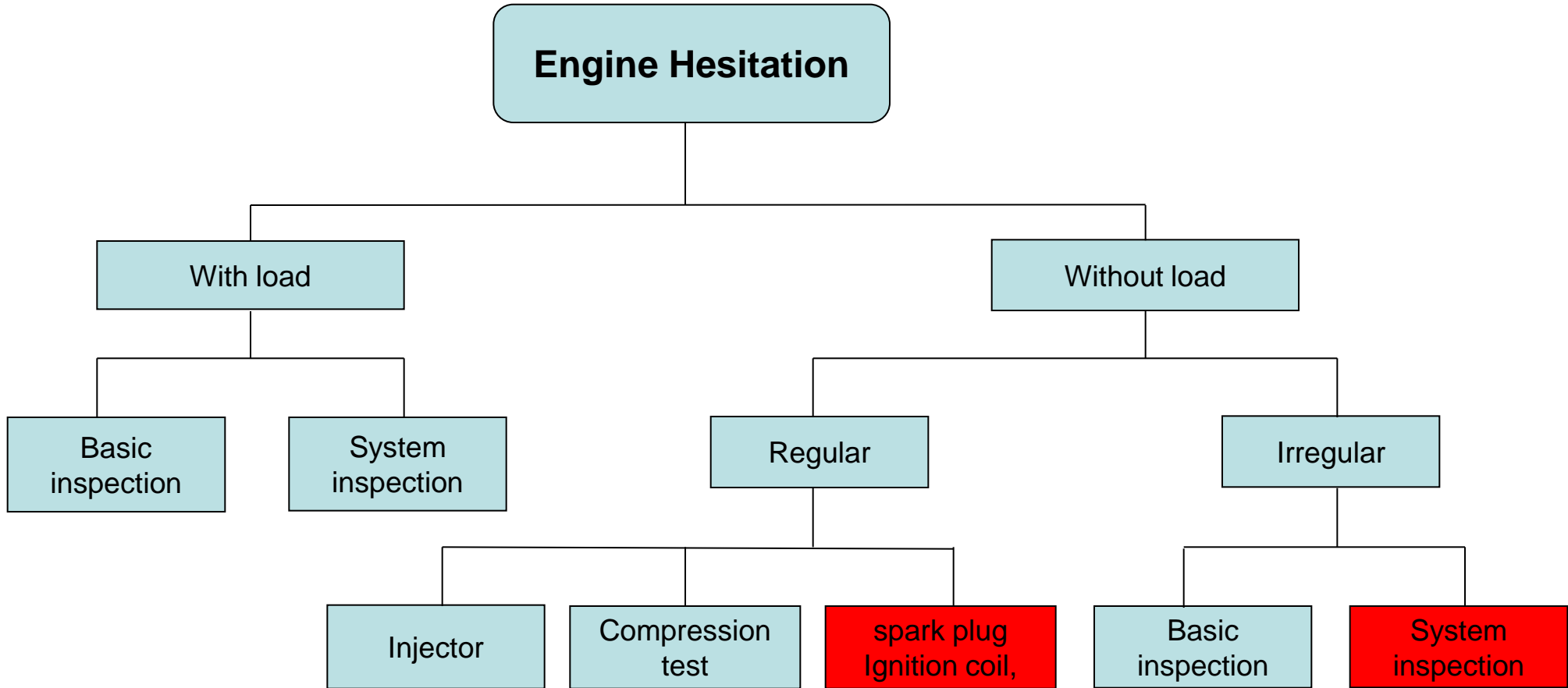


Gasoline Engine Symptom Diagnosis

Engine Hesitation

Possible cause map



Task 1 causes

- **No.1 spark plug less gap (0.1mm, normal:1.0mm)** → stall rpm normal but hesitation during idle
- **No.3 ignition coil thermal defect** → No.3 cylinder deactivation → hesitation
- **ISA connector removed** → Idle rpm unstable

Engine Hesitation

Injector inspection

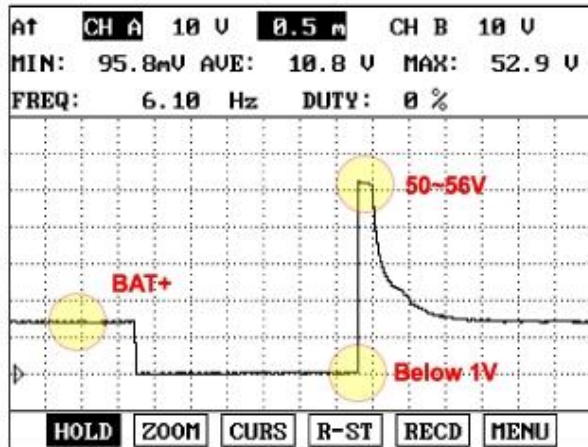


[Injector resistance]

1.4 ACTUATION TEST 06/19	
FUEL PUMP RELAY	
DURATION	UNTIL STOP KEY
METHOD	ACTIVATION
CONDITION	IG. KEY ON ENGINE OFF
COMPLETED ?	
SELECT TEST ITEM USING UP/DOWN KEY	
STRT	STOP



[Injector leak test]



[Injection waveform]



[Injection test-visual inspection]

Engine Hesitation

Injector inspection



[Wiring inspection-power supply]



[Wiring inspection-control line]

