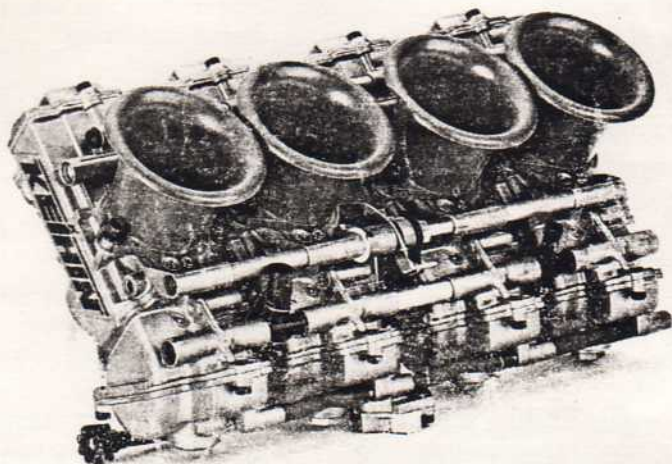


KEIHIN

TROUBLE SHOOTING GUIDE

FCR (Flat-CR Downdraft) and CR Special Carburetors



PROBLEMS AND CORRECTIONS

Carb cannot be mounted to engine

- assemble with wrong pitch..... adjust pitch
- wrong mount adapter..... replace
- fuel inlet does not fit.....replace

Overflow of fuel

- clogged needle valve..... disassemble and clean
- clogged air vent.....clean air vent passage
- abrasion of needle.....replace
- excessive raised fuel level.....replace valve seat with smaller inlet diameter
- pressurized fuel tank.....check vent system on tank

Shortage of fuel flow

- check gasoline supply..... refuel
- closed fuel valve..... turn valve on
- fuel inlet is not hooked up correctlycheck fuel inlet
- needle valve clip is not assembled.....correctly assemble
- falling of fuel level.....replace valve seat with larger inlet dia.
- shortage of fuel inlet..... replace fuel fitting

Poor idling or stalling

- FCR incorrect adjustment of pilot screw..... adjust
- idle speed adjusted too low..... raise idle speed
- CRS incorrect adjustment of air screw.....adjust
- CRS air leakage from starter plunger..... adjust starter lever and plunger movement
- air leakage from adapter.....tighten mount adapter
(replace o-ring if necessary;CRS)
- clogged slow jet..... disassemble and clean
- incorrect slow system calibration..... select slow jet and slow air jet or
adjust air screw
- throttle shaft and linkage sticking..... clean and inspect; lubricate
- incorrect synchronized throttle valves..... synchronize throttle valves

Poor running at low speed (under 1/4 throttle opening)

- poor acceleration select correct jet
- too lean; no power..... larger size slow jet
- use richer jet needle (smaller
..... straight diameter)
- too rich use smaller slow jet size
- runs better without air cleaner..... use leaner jet needle (larger straight dia.)
- adjust air screw (option part for FCR)
- throttle valve with larger cutaway

PROBLEMS AND CORRECTIONS

Poor running at intermediate speed (above 1/4 throttle opening); hesitation

clogged main jet.....	disassemble and clean
calibration too lean.....	raise jet needle by lowering number of clip
.....	use needle jet with higher protrusion (CRS)
.....	use needle jet with larger recess diameter (CRS only)
too rich	lower jet needle by heightening number of clip
.....	use needle jet with lower protrusion (CRS only)
.....	use needle jet with smaller recess diameter (CRS)

Poor running at high speed (1/2 throttle opening)

too lean	use larger main jet
.....	use richer jet needle (steeper taper)
.....	replace air funnel for a longer one
clogged air vent	cleaning required

(hesitation; runs worse when warm)

too rich	use smaller main jet
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Fuel consumption

carb bore too large.....	replace with smaller bore
starter plunger seal.....	replace seal
calibration	use screen type needle jet (primary nozzle)
.....	lower jet needle by heightening number of clip
.....	use smaller tapered jet needle

Operation of throttle and cable are stiff

wire cable twisted or pinched.....	eliminate problem
tensioned inner wire of cable.....	adjust proper play of inner wire
damaged bearing	replace
dusty bearing	disassemble and clean or replace and lubricate
dusty throttle valve.....	disassemble and clean or replace
rubber seal of throttle shaft seized	replace
return spring force too strong.....	use softer spring
.....	shift position of spring (CRS only)

FCR	damaged floating valve.....	replace
FCR	stiff only at W.O.T.....	adjust clearance between body and linkarm

PROBLEMS AND CORRECTIONS

Operation of enrichener

- warped starter lever..... replace
- clogged starter..... disassemble and clean

Hard starting (cold engine)

- lean starter system..... replace starter jet with larger size
- lean mixture due to opened throttle valve.....adjust throttle opening

Hard starting (warm engine)

- over use of starter while engine is warm.....turn off starter
- over rich starter system..... replace the starter jet with smaller size
- shortage of air intake..... adjust throttle valve opening