

SHOP MANUAL

ALLIS-CHAMBERS

MODELS 170, 175

Models 170 and 175 tractors are available in single wheel tricycle, dual wheel tricycle or adjustable front axle version. Model 170 and early 175 are equipped with either a 226 cubic inch non-diesel or 236 cubic inch diesel engine. Late Model 175 is equipped with either a 226 cubic inch non-diesel or a 248 cubic inch diesel engine.

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CONDENSED SERVICE DATA

GENERAL

	Gasoline	Diesel	Diesel
Engine Make	Own	Perkins	Perkins
Cylinders	4	4	4
Bore-Inches	4	3.875	3.975
Stroke-Inches	4½	5	5
Displacement-Cubic Inches	226	236	248
Piston Removed From	Above	Above	Above
Main Bearings, Number of.	3	5	5
Main Bearings Adjustable?	No	No	No
Rod Bearings Adjustable?	No	No	No
Cylinder Sleeves	Wet	Dry	Dry

TUNE UP

Firing Order	1-2-4-3	1-3-4-2	1-3-4-2
Valve Tappet Gap (Hot)			
Intake	0.010-0.012	0.010	0.010
Exhaust.	0.014-0.016	0.010	0.010

TUNE-UP Cont.

Valve Seat & Face			
Intake	30	45	45
Exhaust.	45	45	45
Ignition Distributor Make	D-R	—	—
Mark Indicating:			
Retarding Timing.	See	—	—
Full Advanced Timing	Paragraph	—	—
Mark Location	117	—	—
Breaker Point Gap	0.022	—	—
Spark Plug Gap	0.025	—	—
Injection Pump Make	—	CAV	CAV
Injection Pump Timing	—	See Paragraph 98	
Compression Pressure			
at Cranking Speed.	160	390-410	390-410
Low Idle RPM	525	600	600
High Idle RPM	2000	2000	2000
Full Load RPM	1800	1800	1800

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