

LANCIA & C. FABBRICA AUTOMOBILI TORINO . S. p. A.		AUGUSTA CAR		A S I Sketch 706I 18/6/1966	
Printed In Italy		Main Data and Maintenance Specifications			
		sheet 1/2			
		ENGINE		TRANSMISSION	
No. of cylinders	4	Clutch		Dry, single disc. Pedal free travel: 15 to 20 mm (0.59 to 0.78 in.)	
Bore	69.85 mm(2.749 in.)	Gearbox		Single unit with the engine, four forward speeds and a reverse one;	
Stroke	78 mm (3.07 in.)			third speed silent. Freewheel with control device on dashboard	
Displacement	1196 cc (72.979 cu.in)			enabling the driver to disengage it at will.	
Compression ratio	5.45 to 1	Ratios:			
B.H.P. at 4000 r.p.m.	35	1st speed		3.175 to 1	3rd speed 1.482 to 1
Cylinder arrangement	narrow vee	2nd speed		2.03 to 1	4th speed 1 to 1
Valve gear	O.H. valves, rocker operated.	Reverse		4.64 to 1	
	Front drive by silent chain,				
	with automatic stretcher.				
Timing System		Recommended oils:			
Intake	opens 4 deg. before T.D.C.	GARGOYLE MOBILOIL ULTRA HEAVY, or VEEDOL ULTRA			
	closes 42 deg. after B.D.C.	HEAVY.			
Exhaust	opens 42 deg. before B.D.C.	Propellor Shaft			
	closes 4 deg. after T.D.C.	Tubular, with disc flexible couplings.			
The above data are obtained by adjusting the intake		Rear Axle			
and exhaust valve clearance to 0.45 mm (0.0177 in.).		Steel sheet press-forged housing. Gleason Hypoid bevel set, 9 x 43			
The normal clearance between valve and rocker, with warm engine,		ratio.			
is 0.25 mm (0.0098 in) for both intake and exhaust valves.		Recommended oils:			
		GARGOYLE MOBILOIL ULTRA HEAVY, or VEEDOL ULTRA			
		HEAVY.			
Fuel System		BRAKES			
Sedan model: gravity feed from tank to carburettor.		Expanding shoe type.			
Chassis: feed by electric pump.		LOCKHEED type, pedal controlled, hydraulic brake acting on all			
Carburettor: 30 VEH ZENITH type, with starter device.		wheels.			
Carburettor data:		Independent hand controlled brake operating on the rear wheels.			
Choke tube	22 mm	FRAME AND WHEELS			
Main jet	95	Steering			
Accelerating jet	55	Worm screw and wheel type. Steering rod joints provided with silent			
Idling jet	60	blocks.			
Progression jet	90	Recommended oils:			
Starter bushing	3.5	GARGOYLE MOBILOIL ULTRA HEAVY, or VEEDOL ULTRA			
Starter jet	130	HEAVY.			
Ignition System		Front Axle			
6V with battery and automatic advance distributor.		Camber (measured on rim)		4 per cent	
Fixed advance 8 deg. ~ Automatic advance 30 deg.		Toe-in (measured on rim)		6 to 8 mm (0.23 to 0.31 in.)	
Spark plugs	BOSCH W 185/33 type	Castor		positive 2 deg.	
Spark plug gap	0.6 mm (0.0235 in)	Suspensions			
Breaker contact gap	0.3 to 0.4 mm (0.0118 in to 0.0157 in)	Front: LANCIA patented independent system, automatically			
Lubrication System		lubricated.			
Forced by gear pump		Recommended oils:			
Full-flow and continuous oil filtering by Auto-Klean		GARGOYLE MOBILOIL A, or VEEDOL MEDIUM S.			
filter.		Rear: semi-elliptical leaf springs, with silent block front mountings and			
Recommended oils:		roller box rear mountings. Shock bumper.			
GARGOYLE MOBILOIL A, or VEEDOL MEDIUM 3		Wheels			
Recommended oils for very low temperatures:		Spoked, with 140 x 40 "Fergat" type rim.			
GARGOYLE MOBILOIL ARCTIC, or VEEDOL WINTER MEDIUM 2		Tyres			
Cooling System		140 x 40, very low inflation pressure (1.4 kg/sq.cm. ~ 19.9 lb/sq.in.)			
Water circulation by centrifugal pump, with radiator and fan.					
Thermostat controlled radiator shutter.					

MFP 12 07 2010 E & O