Motor und Kupplung Engine and Clutch Moteur et Accouplement Motore e Frizione

CONTENTS

2 -

0 - INFORMATION, DESCRIPTION, TECHNICAL DATA

0.1	Description				
	Engine changes - 1972 model	0.1 - 1/1			
	Oil tank changes - 1972 model	0.1 - 2/1			
	Oil cooler system and oil circuit schematic	0.1 - 2/2			
	Oil cooler schematic - 1973 model	0.1 - 3/1			
	Oil cooler schematic with cooling coil - 1974 model	0.1 - 3/2			
	Engine, front view cross section	0.1 - 4/1			
	Engine, side view cross section	0.1 - 4/3			
	Specifications for 2.7 liter-engine where differ 2.4 liter-engine	0.1 - 5/1			
	Engine changes - 1974 model	0.1 - 6/1			
	Cross section of engine with emission control equipment	0.1 - 7/1			
	Layout of exhaust gas recirculation system	0.1 - 7/2			
	Engine cross section with emission control - 1978/1979 models	0.1 - 7/3			
	Emission control layout - 1980 model	0.1 - 7/4			
0.2	Technical data				
	General data	0.2 - 1/1			
	Power performance curves	0.2 - 1/7			
	Technical data, Type 911 T - Continuous Injection System (CIS)	0.2 - 3/1			
	Technical data, Type 911/S/Carrera - 1974 model	0.2 - 4/1			
	Full-power performance - 1974 model	0.2 - 4/4			
	Technical data, Type 911 S and Carrera - 1975 model	0.2 - 5/1			
	Engine tightening data	0.2 - 5/2			
	Technical data, Type 911 - 1976 model	0.2 - 6/1			
	Technical data, Type 911 S - 1977 model	0.2 - 7/1			
	Technical data, Type 911 SC - 1978 model	0.2 - 7/3			
-	Technical data, Type 911 SC - 1980 model	0.2 - 7/5			
	Technical Data, Type 911 SC - from 1981 Models	0.2 - 7/7			
COOLING SYSTEM, EXHAUST SYSTEM, EMISSION CONTROL					
2.1	Cooling system				
	Fan drive belt, replacing/adjusting	2.1 - 1/1			

	2.2	Exhaust system and heating	
		Exhaust system and heater blower, removing and installing	2.2 - 1/1
		Exhaust system - 1978 model	2.2 - 1/5
	2.3	Emission control	
		Air injection components, removing and installing	2.3 - 1/1
		Air pump belt, tensioning	2.3 - 1/4
		Reactors and EGR equipment, removing and installing	2.3 - 2/1
		Exhaust gas recirculation system	2.3 - 2/6
		Reactor, checking for leaks	2.3 - 3/1
		Exhaust gas recirculation system, checking	2.3 - 3/2
		Air injection system, checking	2.3 - 3/3
-	OIL (CIRCULATION	
	3.1	Oil circulation	
		Oil tank, removing and installing	3.1 - 1/1
		Oil tank, removing and installing - 1973 model	3.1 - 1/2
		Auxiliary pressure relief valve, removing and installing	3.1 - 1/3
		Auxiliary pressure relief valve, disassembling and assembling	3.1 - 1/4
		Oil cooler coil, removing and installing	3.1 - 1/5
		Oil cooler, removing and installing	3.1 - 2/1
	3.2	Oil tank, removing and installing - 1974 model	3.2 - 1/1
	3.3	Pressure relief valve cooling coil, removing and installing - 1974 model	3.3 - 1/1
	3.4	Pressure relief valve, disassembling and assembling - 1974 model	3.4 - 1/1
	3.5	Oil cooler coil, removing and installing - 1974 model	3.5 - 1/1
		Cooling coil oil lines, service installing - 1974 model	3.5 - 1/3
		Replacing oil lines to front oil cooler or to cooling coil	3.5 - 1/5
		Oil cooler, removing/installing	3.6 - 1/1
		Auxiliary pressure relief/safety valves	3.6 - 2/1
-	CAM	SHAFT HOUSING AND CYLINDER HEAD	
	5.1	Camshaft housing	
		Injection tube in camshaft housing, removing and installing	5.1 - 1/1
		Chain tensioner, overhauling	5.1 - 2/1
		Sealing cylinder head/camshaft housing mating surfaces	5.1 - 2/7

7.3 - 3/1

7.3 - 3/6

Modified crankshaft drive - 1978 model

Crankshaft specifications, standard and undersize - 1978 model

911

ENGINE

9 - CLUTCH

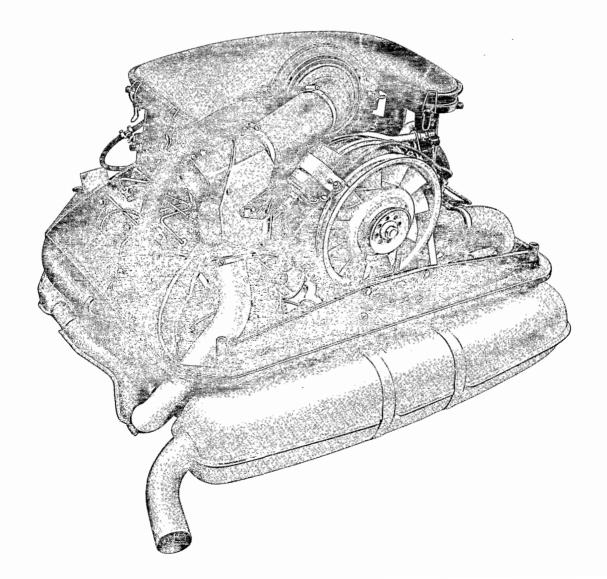
150	-		-			
44.	- 1	- 1		111.1	t c h	١
70.5			_ ,			

Clutch changes - 1972 model	9,1-1/1
Clutch free play, adjusting	9.1 - 1/2
Throwout bearing, removing and installing	9.1 - 2/1
Clutch - 1975 model	9.1 - 3/1
Clutch modified - 1978 model	9 1 - 4/1

ENGINE CHANGES - BEGINNING WITH 1972 MODELS

General Information

Beginning with 1972 models, Type 911 engines have a cubic displacement of 2.4 liters (2341 c/142.8 cu.in.)



Individual changes and changed service operations are described on the pages that follow.

Summary of Changes:

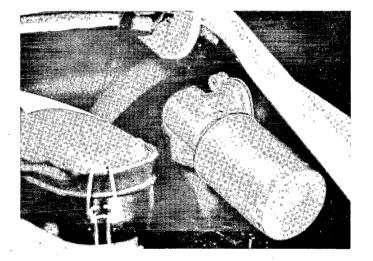
- 1. Technical Data
- 2. Crankcase
- 3. Crankshaft
- 4. Connecting rods and bearings
- 5. Pistons
- 6. Location of oil tank and oil lines
- 7. Clutch pressure plate, throwout bearing, and clutch disc
- 8. Ignition see Group 9 (Electrical System)
- 9. Fuel system see Group 2

OIL TANK CHANGES - BEGINNING WITH 1972 MODELS

General Information

Beginning with 1972 models, the oil tank is located in right rear wheelhousing in front of the rear axle. The oil filler neck is now accessible from the outside. It is located under a hinged lid in the right rear fender. The oil filter housing is separated from the tank and mounted on the right engine compartment wall.

The auxiliary oil cooler under the right front fender continues to be standard equipment in Type 911S vehicles.



TYPE 911 S VEHICLES (FROM 72-MODELS)

