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Motor Gradets

TRARTS CATALOG

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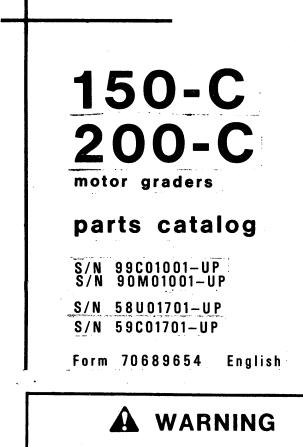
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THIRD PRINTING (4-78)

Includes all information as released in Supplement No. 3 (4-76); also includes updating information which has not been previously published.



STUDY THE OPERATION AND MAINTENANCE INSTRUCTION MANUAL THROUGH BEFORE STARTING, OPERATING, MAINTAINING, FUELING OR SERVICING THIS MACHINE.



SUPPLEMENT NO. 3 (Includes Supplements No. 1 & 2)

PARTS CATALOG FORM 70689654 150C - 200C MOTOR GRADERS

(4-76)

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FOR

150-C and 200-C MOTOR GRADERS

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*Use Complete Service Manual Set

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(Revised April 1978)

IMPORTANT

All parts listed herein, which have no specific usage indicated, are applicable to all models. Those parts which are used only on specific models are so indicated.

Attaching parts such as bolts, nuts, rivets, screws, washers, etc., are indented immediately following the parts which they attach.

Parts indicated with a square (\Box) are also available in packaged sets. Refer to section titled "PACKAGED PARTS".

The terms "right" and "left" used throughout this parts catalog are determined by facing the direction of forward travel.

The engine is mounted unconventionally with the flywheel toward the front of the machine, but all engine parts are designated in respect to the engine as it would be installed in a conventional machine with the flywheel to the rear.

INSTRUCTIONS FOR ORDERING PARTS

At the time this parts catalog was published the listed part numbers were current. It is our policy to constantly improve our machines and therefore, part numbers and design may change. When ordering parts, verify part numbers through your dealer's parts catalog which is up to date with all latest part numbers.

Order parts from the dealer covering the local territory.

ALWAYS GIVE THE MODEL AND SERIAL NUMBER OF MACHINE. IF PARTS ARE FOR AN ASSEMBLY WHICH HAS A MODEL AND/OR SERIAL NUMBER (SUCH AS ENGINE ASSEMBLY, PUMP ASSEMBLY), ALSO INCLUDE THIS INFORMATION.

To obtain parts promptly, give part name and part number.

Give post office address, town, county and state where parts are to be shipped. Also specify whether material is to be shipped by freight, express or parcel post.

Confirm all telephone or telegraph orders in writing.

Parts for standard motor accessories such as generators and starting motors should be ordered from authorized Service Stations maintained by manufacturers of these units throughout the country.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned, at the customer's expense, to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company and not with Allis-Chalmers.

The right is reserved to change the construction or material of any parts where it seems desirable to do so without incurring the obligation of installing such changes on units already delivered.

(Specifications and design subject to change without notice)

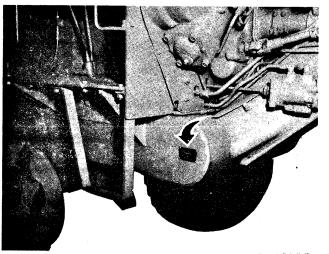
MODEL IDENTIFICATION

MODEL SYMBOL	L ENGINE MODEL	DESCRIPTION
150-C	11000 (Engines prior to S/N	Turbocharged diesel engine
	11-25933)	driven Motor Grader
	11000 MKII (Engines S/N	
	11-25933 thru 30236)	
	685T (Engines S/N 85-001002	
	and up)	
200-C	11000 (Engines prior to S/N 11-25933)	Turbocharged diesel engine driven Motor Grader
	11000 MKII (Engines S/N 11-25933 thru 30027)	
	685T (Engine S/N 85-001006 and up)	

RECORD YOUR SERIAL NUMBERS BELOW

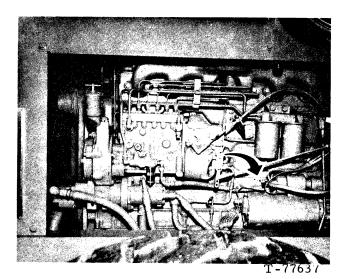
MODEL SERIAL NUMBER

ENGINE SERIAL NUMBER



T-77638

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MODEL SERIAL NUMBER

Models are identified by an 8-character combination of letters and numerals.

*SERIAL NUMBER consisting of all 8 characters must always be submitted for positive identification of your machine. <u>This Point Cannot</u> Be Over-emphasized.

GRADER	*SERIAL NO.					
MODEL	PRODUCT CODE	UNIT NO.				
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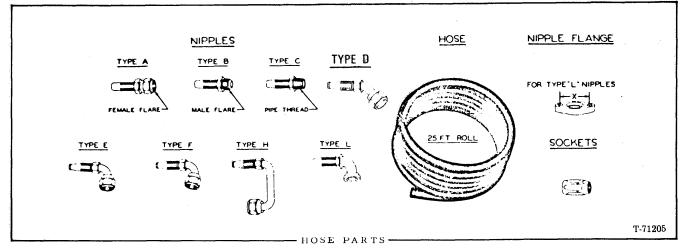
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Turn Signal Wiring.262AUniversal Joint.115,247Valves20ntrol Box Pressure Regulating.21Engine Oil Pressure Regulating.11Engine Oil Pressure Relief.30,328Exhaust.23Intake.23Main Transmission Pressure23Regulating.133Moldboard Shift/Pitch Control.230Range Transmission Pressure230Regulating.105Scarifier Control.230Selector(Transmission)126Sequence(Engine Clutch)108Shifter(Range Transmission)94Shifting Fork Control.230Valve Operating Mechanism.26Vandalism Prevention Parts.280Water Filter.74Water Outlet Manifold.78Water Separator.528,53JWheel Lean Control.74Water Lean Control.74Water Separator.528,53JWheel Lean Control.74Water Separator.74Wheel Lean Control.74Wheel Lean Control.74Water Separator.74Wheel Lean Control.74Wheel Lean Control.74Water Separator.74Wheel Lean Control.74Wheel Lean Control.74	
Turn Signal Wiring.262AUniversal Joint.115,247Valves227Engine Oil Pressure Regulating.11Engine Oil Pressure Regulating.11Engine Oil Pressure Relief.30,328Exhaust.23Intake.23Main Transmission Pressure230Range Transmission Pressure105Scarifier Control.230Selector(Transmission)126Sequence(Engine Clutch)108Shifter(Range Transmission)94Shifting Fork Control.230Valve Operating Mechanism.26Valve Operating Mechanism.26Valve Operating Mechanism.26Water Pump.76Water Pump.76Water Separator.528,53JWheel Lean Control.78Water Pump.76Water Separator.528,53JWheel Lean Piping.174	
Turn Signal Wiring.262AUniversal Joint.115,247Valves20ntrol Box Pressure Regulating.21Engine Oil Pressure Regulating.11Engine Oil Pressure Relief.30,328Exhaust.23Intake.23Main Transmission Pressure23Regulating.133Moldboard Shift/Pitch Control.230Range Transmission Pressure230Regulating.105Scarifier Control.230Selector(Transmission)126Sequence(Engine Clutch)108Shifter(Range Transmission)94Shifting Fork Control.230Valve Operating Mechanism.26Vandalism Prevention Parts.280Water Filter.74Water Outlet Manifold.78Water Separator.528,53JWheel Lean Control.74Water Lean Control.74Water Separator.528,53JWheel Lean Control.74Water Separator.74Wheel Lean Control.74Wheel Lean Control.74Water Separator.74Wheel Lean Control.74Wheel Lean Control.74Water Separator.74Wheel Lean Control.74Wheel Lean Control.74	

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(Revised August 1980)



NOTE: Refer to right hand column for identity of interchangeable crimped-type hose (fittings not re-usable). Assembly number shown in <u>left hand column</u> indicates available replacement hose assembly with re-usable components; where <u>no</u> assembly number is listed, hose assembly is not available from factory but may be constructed in the field from data indicated.

HOSE ASSEMBLY NO.	BULK HOSE (25' roll)	HOSE LENGTH (inches)		IPPLE 1 end)			IPPLE 2 end)		SOCKET (both ends)	NIPPL FLANC	E	CRIMPED- TYPE HOSE
NO. (See NOTE)	(25 1011)	(inches)	Including SOCKE T	NIPPLE only	Туре	Including SOCKE T	NIPPLE only	Туре		Part No.	X Dim	(See NOTE) Part No.
	70919218	12	70920850	70920303	Α	70920865	70919081	Е	70919076			70645236
	70920221	31-1/2	70920582	70920344	Α	70920860	70919279	В	70919281			70645246
	70919196	9-3/8	70920855	70919144	В	70920862	70919194	Е	70919143			70650805
	70919156	40-1/4	70920850	70920303	Α	70920865	70919081	E	70919076			70658599
	70920221	15-7/8	70920852	70920344	Α	70920867	70919277	E	70919281	· · · · · · · · · · · · · · · · · · ·		70661977
	70919156	27-5/8	70920859	70923867	В	70920859	70923867	В	70919469			70662639
	70919196	16-1/8	70920847	70920301	A	70920862	70919194	E	70919143			70671042
	70919156	16-3/8	70920850	70920303	Α	70920872	70919158	E	70919076			70673624
	70919196	9-5/8	70920847	70920301	A	70920847	70920301	A	70919143			70679279
	70919155	33-1/4	70920844	70920302	A	70920871	70919157	Е	70919075			70679715
	70919474	14-5/8	70920851	70921046	A	70920873	70922455	Е	70919469			70679997
	70919474	16-1/8	70920851	70921046	Α	70 92 0866	70919473	Е	70919469			70680067
	70919474	12-1/2	70920859	70923867	В	70920881	70925470	D	70919469			70680068
	70919474	12-1/4	70920851	70921046	A	70920881	70925470	D	70919469			70680112
	70919155	32-3/8	70920849	70920302	A	70920849	70920302	A	70919075			70685817
	70919155	27-3/8	70920849	70920302	A	70920871	70919157	Е	70919075			70685818
	70919156	16-3/4	70920850	70920303	A	70920865	70919081	E	70919076			70685829
	70919156	13-3/4	70920850	70920303	A	70920865	70919081	Е	70919076			70685830
	70919156	42	70920850	70920303	A	70920865	70920303	A	70919076			70686601
	70919156	26-3/4	70920850	70920303	A		70919175	F	70919076			70687712
	70919156	29-3/4	70920850	70920303	A		70919175	F	70919076			70687714
	70920221	9-1/2	70920852	70920344	A	70920852	70920344	A	70919281			70689395
	70919156	10-3/4	70920850	70920303	A	70920865	70919081	Е	70919076			70689464
	70919196	10	70920847	70920301	A	70920862	70919194	Е	70919143			70689465
	70919196	12-1/2	70920847	70920301	A	70920862	70919194	E	70919143			70689466
	70919156	16-1/2	70920850	70920303	A	70920872	70919158	E	70919076			70689467
	70920221	12-1/4	70920852	70920344	A	70920852	70920344	A	70919281			70689601
	70920221	12-3/4	70920852	70920344	A	70920867	70919277	· E	70919281			70689608
	70919156	8-7/8	70920850	70920303	A	70920865	70919081	E	70919076			70690770
	70919156	16-1/2	70920850	70920303	A	70920865	70919081	Е	70919076			70690771
	70920222	14-7/8	70921033	70921034	A	1	70922505	L	70919282			70692631
	70919474	13	70920851	70921046	A	70930936	70927285	A	70919469			73109076
					1							1
74335566	70920222	5-7/16		70920173	L		70920195	Long	70919282	70919251	3"	
74335567	70920222	9-7/16		70920173	L		70920141	Long	70919282	70919274	2-1/4	,
			1									
		1										
			1									1
	<u> </u>											1

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(Revised December 1981)

GASKET

HOSE

PACKAGE NUMBER

DESCRIPTION

G	ASKET KIT,	cylinder head
1	70917806	SLEEVE
8	70 917807	SLEEVE
4	70923574	O-RING
8	70923813	O-RING
2	70929823	O-RING
1	74027975	HOSE
1	74255983	SLEEVE
1	74300145	GASKET
1	74317554	GASKET
1	74320845	GASKET
-		

743	22381	

-	1100001/	HODE
1	74390773	HOSE
1	74393466	GASKET
GAS		oil pump and pan
2	70921206	
1	70930924	O-RING
1	74320916	GASKET
1	74321893	GASKET
1	74632291	GASKET
4	74393359	GASKET
GAS	SKET KIT,	engine overhaul
9	70917806	SLEEVE
4	70917807	SLEEVE
2	7 0 921885	O-RING
2	70923376	O-RING
1	70923579	O-RING
3	70923718	O-RING
1	70923814	O-RING
1	70923816	O-RING
1	70923820	O-RING
1	70924139	O-RING
1	70927038	O-RING

(Continued)

(Revised April 1981)

PACKAGE NUMBER

7432238 2 (cont'd)
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		F	ACKAGE PARTS
	DE	SCRIPTION	
'd)	GA 6 2 12 1	SKET KIT, 70929849 70934732 74025385 74029556	engine overhaul SLEEVE O-RING SHIELD SLEEVE
	1 1 1 1 1	74036340 74321628 74322379 74322380 74322381 74335056	SEAL GASKET GASKET GASKET GASKET GASKET
	3 1 1 1 1	74335577 74335578 74335712 74336676 74336897	GASKET GASKET GASKET GASKET O-RING
	1 6 1 1 1	74337740 74337972 74339118 74339123 74339127 74339128	GASKET O-RING GASKET GASKET GASKET GASKET
	1 1 1 1 1	74339150 74339151 74339697 74339698 74346456 74346744	GASKET GASKET GASKET GASKET GASKET GASKET
	1 1 1 1 1	74347031 74348184 74348185 74348218 74349011	GASKET GASKET GASKET GASKET GASKET
	1 1 1 1 1	74349984 74354163 74354304 74354415 74354959 74358766	GASKET GASKET GASKET GASKET GASKET GASKET
	6 6 1 1	74359869 74359870 74376520 74386137	O-RING O-RING GASKET GASKET
	SEA 3	AL AND GA 70673875	SKET KIT, main RING, piston

70692100

ain transmission

3	70673875	RING, piston
1	70673983	SEAL, input flange
3	70923560	O-RING
1	70923565	O-RING, bearing cap
2	70923663	O-RING
1	70923574	O-RING
		(Continued)

(Revised April 1981)

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PACKAGED PARTS

 70692100 (cont'd) SEAL AND GASKET KIT, main transmission 70923813 O-RING, disc housing 7092381 O-RING, disc housing 70923851 O-RING, disc housing 70923851 O-RING, disc housing 71004491 GASKET, control valve 71004843 GASKET, screen 71004843 GASKET, screen 71004844 GASKET, screen 71004872 RING, clutch piston 6 71004873 RING, shaft piston 71004967 GASKET, bearing cap 71004979 GASKET, bearing cap 71004979 GASKET, bearing cap 71004979 GASKET, bearing cap 71004979 GASKET, bearing cap 71004987 SEAL 71004987 SEAL 17005117 SEAL 700523819 O-RING 7065208 SEAL KIT, range transmission 1 7065147 RING, packing, adapter 70651548 RING, packing, adapter 70653545 RING, packing, housing 1 70658293 GASKET, rear cover 70023816 O-RING, valve mounting 70923816 O-RING, valve mounting 70923816 O-RING, valve mounting 70023816 O-RING, screen	PACKAGE NUMBER	DESCRIPTION	
 1 70923813 O-RING, disc housing 1 70923851 O-RING 1 71004791 GASKET, fontr over 1 7100437 GASKET, font cover 1 71004837 GASKET, rear cover 2 71004486 GASKET, screen 1 71004854 O-RING, suction lime 6 71004872 RING, clutch piston 6 71004873 RING, clutch piston 6 71004873 RING, shaft piston 2 71004978 RING, shaft piston 2 71004978 RING, shaft piston 2 71004979 GASKET, bearing cap 1 71004979 GASKET, bearing cap 1 71004970 SEAL 1 71004971 SEAL 1 71004971 SEAL 1 71004970 O-RING 70602098 SEAL, control valve 1 70603002 SEAL, clutch fork shaft 2 70621516 GASKET, coutent how 2 70625478 RING, piston 1 70673544 RING, packing, adapter 1 70673545 RING, packing, adapter 1 70673545 RING, packing, adapter 1 70673545 RING, packing, housing 1 70673545 RING, sealing, shaft 1 70689293 GASKET, cover 3 70923816 O-RING, sealing, shaft 1 7064926 RING, sealing, shaft 1 7064937 GASKET, from cover 2 71004482 GASKET, rear cover 1 71004842 GASKET, screen 6 71004872 RING, clutch piston 6 71004873 RING, clutch piston 1 7007375 RING, shaft piston 1 7007387 RAKET, bearing cap 1 71004979 GASKET, bearing cap 1 71004979 GASKET, bearing cap 1 71004975 RING, shaft piston 1 71004976 RASKET, bearing cap 1 71004975 RING, shaft piston 1 71004975 RING, shaft piston 1 71004987 GASKET, bearing cap 1 71004987 RASKET, bearing cap 1 71004987 R	70692100 (cont'd)	SFAL AND GASE	(ET KIT main transmission
 1 70923818 O-RING, disc housing 2 70923818 O-RING 1 71004791 GASKET, control valve 1 71004837 GASKET, front cover 2 71004848 GASKET, screen 1 71004854 O-RING, suction line 6 71004874 RING, clutch piston 6 71004873 RING, clutch piston 6 71004873 RING, shaft piston 2 71004978 RING, shaft piston 2 71004979 GASKET, bearing cap 1 71005117 SEAL 1 7005102 SEAL, clutch fork shaft 2 70621516 GASKET, return elbow 2 7062547 RING, packing, adapter 1 70673545 RING, packing, adapter 1 70669209 GASKET, cover 3 70923816 O-RING, valve mounting 1 70669239 GASKET, cover 3 70923816 O-RING, valve mounting 2 70923816 O-RING, sealing cap 2 71004432 GASKET, front cover 3 7100473 RING, clutch piston 6 71004872 RING, clutch piston 6 71004873 RING, clutch piston 1 7100487 RING, shaft piston 1 7100487 RING, piston	(00)2100 (00m u)		
2 70923851 O-RING 1 71004837 GASKET, control valve 1 71004842 GASKET, front cover 2 71004848 GASKET, screen 1 71004872 RING, suction line 6 71004873 RING, clutch piston 6 71004873 RING, clutch piston 6 71004976 RING, shaft piston 2 71004978 RING, shaft piston 1 71004978 RING, shaft piston 1 71004987 GASKET, bearing cap 1 71004987 SEAL 1 71004987 SEAL 1 71004987 SEAL 1 71004987 SEAL, control valve 1 7003507 SEAL, clutch fork shaft 2 70665176 SEAL, clutch fork shaft 2 70665478 RING, piston 1 70670221 GASKET, outlet housing 1 70673544 RING, packing, adapter 1 70673545 RING, packing, adapter 1 70673546 O-RING, valve mounting 2 70923816 O-RING, valve mounting 2 70923816 O-RING, sealing, shaft 3 7004842 GASKET, fort cover 3 70923816 O-RING, sealing, shaft 3 70923816 O-RING, sealing, shaft 3 7004842 GASKET, screen 6 71004842 GASKET, fort cover 2 71004843 GASKET, screen 6 71004873 RING, clutch piston 1 7107975 RING, shaft piston 1 7107979 GASKET, bearing cap 3 70673875 RING, shaft piston 1 71004873 RING, clutch piston 1 71004873 RING, clutch piston 1 71004977 GASKET, bearing cap 3 7067387 RING, daSKET, bearing cap 3 70673875 RING, shaft piston 1 71004977 GASKET, bearing cap 3 70673875 RING, shaft piston 1 71004987 GASKET, bearing cap 3 70673875 RING, shaft piston 1 71004987 GASKET, bearing cap 3 70673875 RING, piston 1 71004987 GASKET, bearing cap 3 70673875 RING, piston 1 71004987 GASKET, control valve 2 70923613 O-RING, flange 2 70923613 O-RING, suction line			
1 71004791 GASKET, control valve 1 71004842 GASKET, rear cover 2 71004844 GASKET, screen 1 71004854 O-RING, suction line 6 71004873 RING, clutch piston 6 71004973 RING, shaft piston 2 71004973 RING, shaft piston 6 71004979 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004989 SEAL 1 7005177 SEAL, control valve 1 7002319 O-RING 1 70670221 GASKET, control valve 1 70673545 RING, packing, housing 1 70669846 SEAL, outer shaft 1 70669846 SEAL, outer shaft 1 70		-	
1 71004837 GASKET, from cover 1 71004842 GASKET, screen 2 71004843 CASKET, screen 1 71004872 RING, clutch piston 6 71004873 RING, clutch piston 6 71004973 RING, shaft piston 2 71004987 RING, shaft piston 2 71004987 GASKET, bearing cap 1 71004987 SEAL 1 70063002 SEAL 2 7065478 RING, piston 1 70673544 RING, packing, adapter 1 70673545 RING, packing, housing 1 70673545 RING, packing, shaft 73110017 SEAL AND GASKET, Koreen 1 70673823 </td <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>		· · · · · · · · · · · · · · · · · · ·	
1 71004842 GASKET, rear cover 2 71004848 GASKET, screen 1 71004854 O-RING, suction line 6 71004873 RING, clutch piston 6 71004978 RING, shaft piston 1 71004978 RING, shaft piston 2 71004978 RING, shaft piston 1 71004979 GASKET, bearing cap 1 71004989 SEAL 1 71004989 SEAL 1 71004989 SEAL 1 71005117 SEAL 1 7100517 SEAL 1 7100510 SEAL 1 7067021 CASKET, return elbow 2 7066216 GASKET, outlet housing 1 70673545 RING, packing, nousing 1 70669293 GASKET, cover 3			
2 71004854 GASKET, screen 1 71004854 G-RING, suction line 6 71004873 RING, clutch piston 6 71004973 RING, shaft piston 2 71004978 RING, shaft piston 1 71004979 GASKET, bearing cap 1 71004987 GASKET, control valve 1 71004987 SEAL 1 71004987 GASKET, return clbow 2 70663002 SEAL, clutch fork shaft 2 70665478 RING, packing, adapter 1 70673544 RING, sealing, housing 1 70673545 RING, sealing, shaft 1 70669203 GASKET, cover 3 70923816 O-RING, walve mounting 2 74054656 RING, sealing, shaft 73110017 SEAL AND GASKET KIT, rear cover 1 1 70673933 SEAL, input flange 1 7			
1 71004874 O-RING, suction line 6 71004873 RING, clutch piston 6 71004973 RING, shaft piston 2 71004978 RING, shaft piston 1 71004978 RING, shaft piston 1 71004978 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004989 SEAL 1 71004989 GASKET, bearing cap 1 71004980 SEAL 1 71004981 SEAL 1 71005117 SEAL 1 7005302 SEAL, control valve 1 7063002 SEAL, outch fork shaft 2 7066216 GASKET, outlet housing 1 70673545 RING, packing, adapter 1 70673545 RING, sealing, shaft 1 706692056 O-RING, valve mounting 2 70623566 O-RING, valve mounting 2 70923816 O-RING, sealing, shaft 1 71064984 GASKET KIT, main transmi			
6 71004872 RING, clutch piston 6 71004926 RING, shaft piston 2 71004978 RING, shaft piston 2 71004979 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004979 GASKET, bearing cap 1 71004970 GASKET, bearing cap 1 71004970 GASKET, bearing cap 1 7100517 SEAL 1 7100507 SEAL, control valve 1 70603002 SEAL, clutch fork shaft 2 70665478 RING, piston 1 70670221 GASKET, outlet housing 1 70673545 RING, scaling, housing 1 706692093 GASKET, cover 3 70923586 O-RING, bearing cap 2 74054656 RING, reacting, shaft 1 70673983 SEAL, input flange 1 7004384 GASKET, rear cover 1 710048		1 71004854	
6 71004926 RING, shaft piston 2 71004978 RING, shaft piston 2 71004979 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004989 SEAL 1 71005117 SEAL 1 7100807 SEAL 1 7100807 SEAL 1 70023819 O-RING 70692098 SEAL KIT, range transmission 1 1 70603002 SEAL, clutch fork shaft 2 70665478 RING, piston 1 70670221 GASKET, return elbow 2 70665478 RING, packing, adapter 1 70673545 RING, sealing, shaft 1 70673545 RING, sealing, shaft 710017 SEAL AND GASKET KIT, over 3 3 70923816 O-RING, valve mounting 2 70923816 O-RING, sealing, shaft 73110017 SEAL AND GASKET KIT, main transmission (Effective grader No. 01715) T004842		6 71004872	
2 71004978 RING, shaft piston 1 71004979 GASKET, bearing cap 1 71004989 SEAL 1 71004989 SEAL 1 71005117 SEAL 1 7100507 SEAL, control valve 1 71003507 SEAL, control valve 1 700692098 SEAL KIT, range transmission 1 706603002 SEAL, clutch fork shaft 2 70661478 RING, piston 1 70670521 GASKET, outlet housing 1 70673544 RING, packing, adapter 1 70669203 GASKET, cover 3 70923816 O-RING, valve mounting 2 70923816 O-RING, valve mounting 3 70673983			RING, clutch piston
1 71004979 GASKET, bearing cap 1 71004987 GASKET, bearing cap 1 71004987 SEAL 1 71004987 SEAL 1 71008507 SEAL, control valve 1 71008507 SEAL, control valve 1 70023819 O-RING 70692098 SEAL KIT, range transmission 1 1 70603002 SEAL, clutch fork shaft 2 70665478 RING, piston 1 70670221 GASKET, outlet housing 1 70673545 RING, packing, dapter 1 70673545 RING, packing, cap 2 7065866 SEAL, outer shaft 1 70669293 GASKET, cover 3 70923816 O-RING, valve mounting 2 74054656 RING, sealing, shaft 73110017 SEAL AND GASKET KIT, main transmission (Effective grader No. 01715) 1 70673983 1 71004842 GASKET, forat cover 2 71004848 GASKET, screen 6 71004877 RING, clutc			RING, shaft piston
1 71004987 GASKET, bearing cap 1 71004989 SEAL 1 71005117 SEAL 1 71008507 SEAL, control valve 1 70023819 O-RING 70692098 SEAL, KIT, range transmission 1 70603002 SEAL, clutch fork shaft 2 70665478 RING, piston 1 70673545 RING, packing, adapter 1 70673545 RING, packing, housing 1 70669846 SEAL, outer shaft 1 70669846 SEAL, input flange 1 70669846 O-RING, valve mounting 2 70923816 O-RING, bearing cap 2 70923816 O-RING, slate mounting 2 70923816 O-RING, slate mounting 2 70923816 O-RING 3 7092383 SEAL, input flange 1 70673983 SEAL, input flange 1 7004842 GASKET, screen 6 71004842 GASKET, screen 6 71004847 RING, clutch piston			
1 71004989 SEAL 1 71004507 SEAL 1 71008507 SEAL, control valve 1 70692098 SEAL KIT, range transmission 1 70603002 SEAL, clutch fork shaft 2 706616478 RING, piston 1 706070221 GASKET, ortlet housing 1 70673544 RING, packing, adapter 1 706673545 RING, packing, housing 1 70669846 SEAL, outer shaft 1 70673584 RING, sealing, shaft 73110017 SEAL AND GASKET KIT, main transmission (Effective grader No. 01715) 1 70673983 1 7004842 GASKET, ircar cover 1 71004837 GASKET, screen 6 71004872 <td< td=""><td></td><td>• •</td><td></td></td<>		• •	
1 71005117 SEAL 1 71008507 SEAL, control valve 1 70692098 SEAL KIT, range transmission 1 70603002 SEAL, clutch fork shaft 2 70665478 RING, piston 1 70670221 GASKET, outlet housing 1 70673544 RING, packing, adapter 1 70673545 RING, packing, housing 1 70669846 SEAL, outer shaft 1 706698293 GASKET, cover 3 70923586 O-RING, bearing cap 2 70923816 O-RING, bearing cap 2 70923816 O-RING, sealing, shaft 73110017 SEAL AND GASKET KIT, main transmission (Effective grader No. 01715) 1 70673983 SEAL, input flange 7 71004842 GASKET, rear cover 1 71004837 GASKET, screen 6 71004837 RING, clutch piston 1 71004837 RING, shaft piston 1 71004897 GASKET, bearing cap 3 7067387 RING, shaft piston <td< td=""><td></td><td>•</td><td></td></td<>		•	
1 71008507 SEAL, control valve 1 70923819 O-RING 70692098 SEAL KIT, range transmission 1 1 70603002 SEAL, clutch fork shaft 2 70665478 RING, piston 1 70670221 GASKET, outlet housing 1 70673544 RING, packing, adapter 1 70669846 SEAL, outer shaft 1 70669846 SEAL, outer shaft 1 70669846 SEAL, outer shaft 1 706698293 GASKET, cover 3 70923816 O-RING, valve mounting 2 74054656 RING, sealing, shaft 73110017 SEAL AND GASKET KIT, main transmission (Effective grader No. 01715) 1 70673983 SEAL, input flange 1 71004842 GASKET, front cover 2 71004848 GASKET, screen 6 71004872 RING, clutch piston 6 71004872 RING, shaft piston 1 71004873 RING, piston 1 71004874 GASKET, bearing cap 3			
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(Revised April 1981)

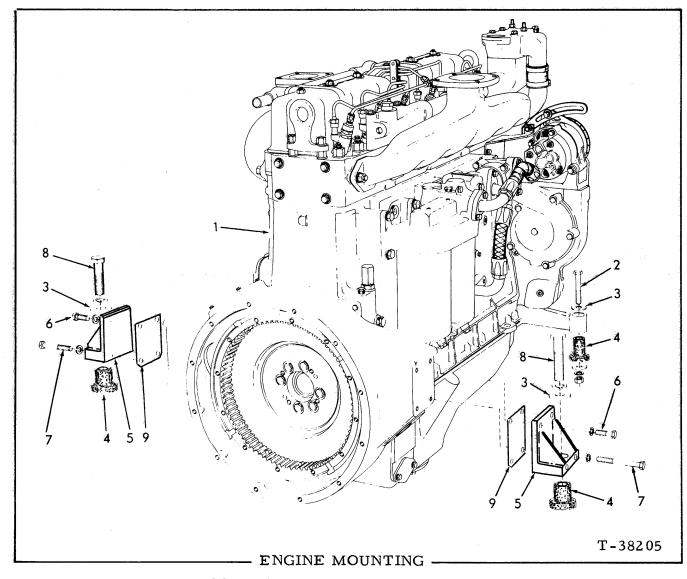
PACKAGED PARTS

PACKAGE NO. DESCRIPTION

73110017(cont'd) SEAL AND GASKET KIT, main transmission (Effective grader No. 01715)

	1 70923560 O-RING, pressure tube
	2 70923851 O-RING
	1 70923574 O-RING
	1 70923565 O-RING, bearing cap
	1 70923819 O-RING
	1 70928818 O-RING, disc housing
	2 70923650 O-RING, flange
	1 70923849 O-RING
	REPAIR KIT, brake booster (See page 158)
	REPAIR KIT, brake master cylinder (See page 161)
	REPAIR KIT, clutch booster (See page 86)
	REPAIR KIT, engine clutch control cylinder (See page 88)
	REPAIR KIT, range and main transmission control valve
	(See page 110)
	REPAIR KIT, range transmission pressure regulating valve
	(See page 105)
***	REPAIR KIT, shift cylinder (See page 139)
	RING SET, piston (See PISTON AND CONNECTING ROD)
	TOOL SET (See TOOLS)
****	TRANSFER SET (See PAINTING AND MARKING)
74062316	PISTON AND SLEEVE KIT
	1 74061746 SLEEVE
	1 74062313 PISTON

(Revised April 1981)



*Model 150-C **Model 200-C

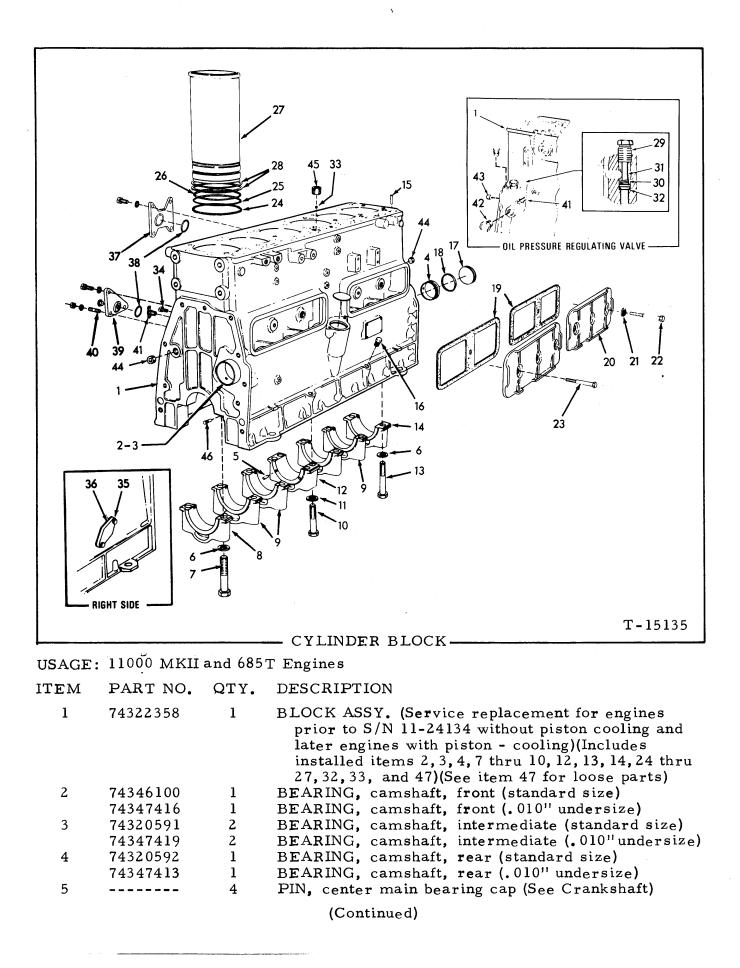
ITEM	PART NO.	QTY. * **	DESCRIPTION
1	74359839	1 -	ENGINE ASSY. ("Bosch" injection pump)(Effective Grader S/N 99C01001)(Engines #11-21692 thru 11-24130)
	74359837	- 1	ENGINE ASSY. ("Bosch" injection pump)(Effective Grader S/N 90M01001)(Engines #11-21692 thru 11-24130)
	74321184	1 -	ENGINE ASSY. ("Roosa Master" DC type injection pump)(Effective Grader S/N 99C01183 thru 99C01426, excluding 01420 and 01423)(Engines #11-24131 thru 11-25932)
	74321185	- 1	ENGINE ASSY. ("Roosa Master" DC type injection pump)(Effective Grader S/N 90M01183 thru 90M01570)(Engines #11-24131 thru 11-25932)

(Continued)

ENGINE MOUNTING (Continued)

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ITEM	PART NO.	QTY * *	
	70699829	1 -	ENGINE ASSY. Mark II ("Roosa Master" type DC injection pump)(Effective Grader S/N 99C01426 including 01420, 01423 and 58U01701 thru 58U01804 excluding 01799 and 01803)(Engines #11-25933 thru 11-28233)(Order Engine Assy. 73110827, 1 Cable Assy. 73110613, 1 Bracket 73109064, 1 Rod 73109089 and 1 Washer 70912298)
	73110827	1 -	ENGINE ASSY. ("Roosa Master" DM type injection pump)(Effective Grader S/N 58U01805 and up, including #01799 and 01803)(11000 MK II engines S/N 11-28234 thru 30236)(685T engine S/N 85-001002 and up)(See NOTE below)
2	70924136	2 2	CAPSCREW. $5/8$ "NC x $3-3/4$ "
	70928142	2 2 2 2 2 2	WASHER
	70912942	2 2	LOCKWASHER, 5/8"
·	70911029	2 2	NUT, 5/8"NC
			NOTE: Each engine listed above includes oil filter, oil cooler and fuel filter but is less air cleaner, fan and starter.
3	70675245	4 4	
4	70192962	4 4	SNUBBER
5	70675248	22	
6	70920583	4 4	
7	70921122	$\frac{1}{4}$ 4	
•	70912441	8 8	LOCKWASHER, 1/2"
8	70927659	2 2	
Ŭ	70912942	2 2	LOCKWASHER, 5/8"
9	70089617	2 2	SHIM $(1/32''$ thick. Use as required)



(Revised April 1981)

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CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	74354175	12	WASHER, main bearing capscrew (Engines prior to #11-25967)
7	74339037	2	CAPSCREW, front main bearing cap (3/4"NC x 3-13/16")
8	74348056]	CAP, front main bearing (See NOTE below)
9	74348244	4	CAP, intermediate main bearing (See NOTE below)
10	74035387	4	CAPSCREW, center main bearing cap (5/8"NC x
	11055561	Т	$3-13/16^{n}$
11	74391160	4	WASHER, center main bearing capscrew (Engines prior to #11-25967)
12	74359964	. 1	CAP, center main bearing (See NOTE below)
13	74339036	10	CAPSCREW, rear and intermediate main bearing cap $3/4$ "NC x 4-5/16")
14	74348246	• 1 . 1993	CAP, rear main bearing (See NOTE below) NOTE: Stems 8,9,12 and 14 are semi-finished and must be line-bored after installing.
15	74336432	4	PIN, dowel, cylinder head
	74362338	2	PLUG, crankcase
17	74335534	1	PLUG, camshaft hole (Engines prior to S/N11-27758)
	74255118	l	PLUG, camshaft hole (Engine S/N 11-27758 and up)
18	70923815		$\Box O$ -RING, camshaft hole plug (Engines prior to
			S/N 11-27758)
19	74337764		JGASKET, valve lifter cover
20	74359668	1	COVER (cast) valve lifter, front
	74320985	1	COVER (stamped) valve lifter, front
	74354638	1	COVER (cast) valve lifter, rear
	74320986	1	COVER (stamped) valve lifter, rear
21	74335456	3	WASHER, valve lifter cover bolt (Used with castcover)
	74256008	6	WASHER, valve lifter cover bolt (Used with stamped cover)
22	74335455	3	BOLT, valve lifter cover (rear)(Used with cast cover)
	70921160	6	CAPSCREW, 5/16"NC x 2-1/4" (rear)(Used with stamped cover)
23	74359683	3	BOLT, valve lifter cover (front)
24	74337972	6	O-RING, cylinder sleeve (bottom groove)(red)
25	74359870	6	O-RING, cylinder sleeve (center groove)(black with
		-	blue markings)
26	74359869	6	O-RING, cylinder sleeve (top groove)(black with white markings)
27	74061746	6	\Box SLEEVE ASSY. (Includes items 24,25 and 26)
28	74348857	_	SHIM, cylinder sleeve (.005" thick) Use as required
20	74348856	_	SHIM, cylinder sleeve (.008" thick) (when block is re-
	74348859	_	SHIM, cylinder sleeve (.000 thick) machined to
	74348858	_	SHIM, cylinder sleeve (.015" thick) (correct sinking
	74348900	-	SHIM, cylinder sleeve (.019 thick) of sleeve
29	74389058	1	SCREW (Engines prior to #11-25680)
47	74022129	1	
	70910847	1	SCREW (Engine $\#11-25680$ and up)
30		1	NUT, jam, $3/4$ "NF SPRING (Engines agricults #11, 20100)
50	74660358	- 1	SPRING (Engines prior to #11-29109)
	74322289	Ĺ	SPRING (Engine #11-29109 and up)

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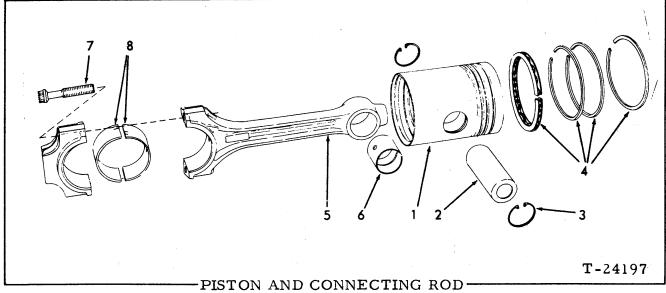
CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
31	7 4500230	1	PISTON (Engines prior to #11-25680)
	74507374	1	PISTON (Engine $\#11-25680$ and up)
32	74347465	1	INSERT, oil pressure regulating valve seat (Engines
		-	prior to $\#11-24251$)
	74507673	1	INSERT, oil pressure regulating valve seat (Engine
	11501015	-	#11-24251 and up)
33	74347061	1	RESTRICTOR, oil passage (Engines prior to
33	11511001	-	#11-25933)
34	70920473	2	CAPSCREW, Nylok, $3/8''$ NC x $3/4''$
51	10/20115	-	NOTE: Items 37, 38 and 40 are furnished with service
			replacement cylinder block and are not
			original equipment.
35	74339604	1	PLATE, cover, turbocharger oil drain hole
55	70918683	2	CAPSCREW, $1/2$ "NC x 1-1/8"
	70904208	2	LOCKWASHER, 1/2"
36	74336436		$\Box GASKET, cover plate$
37	74335369	1	
57	70916311	4	PLATE, cover, oil gallery hole, upper CAPSCREW, 1/2"NC x 1-1/4"
	70912441		
38	70912441	4 2	LOCKWASHER, 1/2"
			O-RING, oil gallery hole cover plates
39	74359104	1	PLATE, cover, oil gallery hole, lower
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
40	70919230	1	CAPSCREW, $1/2$ "NC x $1-3/8$ "
40	74305073	2	
41	70912415	2	COCK, drain, 1/4"NPT
42	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT
43	70918850	1	PLUG, pipe, 1/4"NPT
44	74255492	2	PLUG, pipe, hex-socket, 1/2"NPT
45	74255577	1	PLUG, pipe, hex-socket, 3/4"NPT
46	70922846	6	PIN, grooved, 1/4" O.D. (Cooling jet plugs)(For
			service replacement block installed in engines
		_	prior to S/N 11-24134 without piston cooling)
47		1	LOOSE HARDWARE KIT (Includes items 5, 15, 16, 29,
			30,31,41 thru 46 and hardware below)(Not all
	<u>,</u>		hardware items are required. See instruction
			sheet 74322357)
	70904516	10	SCREW, drive, $\#6 \ge 1/4''$
	73131677	1	PLUG, pipe, hex-socket, 1-1/8"NPT
	70917724	1	PLUG, expansion, concave, 2-3/4"
	70917960	1	PLUG, plastic, 3/4"
	70918851	1	PLUG, pipe, hex-socket, 3/4"NPT
	70918888	1	PLUG, pipe, hex-socket, 1"NPT
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT
	70920473	2	CAPSCREW, nylok, $3/8''NC \ge 3/4''$
	70922805	2	CAPSCREW, $1/2$ "NC x $3/4$ "
	74007953	1	NAME PLATE, engine
	74007954	1	INSTRUCTION SHEET, name plate
	74322357	1	INSTRUCTION SHEET, service block
	74346246	2	PIN (See page 16, item 4)
	74347061	2	RESTRICTOR (Engines prior to S/N 90846)

(Revised July 1984)

Fiat Allis 150c 200c Motor Grader Parts Catalog

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ITEM	PART NO.	QTY.	DESCRIPTION
1 2 3 4 5 6 7 8	74062313 74354778 74255465 74062311 74320801 74339017 74359222 74321007 74321033 74321034 74321035 74321036	6 6 6 6 12 12 12 12 12 12 12 12	PISTON ASSY. (Includes piston and items 2, 3, and 4) PIN, piston RETAINER, piston pin RING SET ROD ASSY., connecting (Includes items 6 and 7) BUSHING, connecting rod CAPSCREW, connecting rod BEARING, connecting rod (standard size) BEARING, connecting rod (.010" undersize) BEARING, connecting rod (.020" undersize) BEARING, connecting rod (.030" undersize) BEARING, connecting rod (.040" undersize)
9	74061766 74061767 74061768 74061769 74061770	1 1 1 1	NOTE: Item 9, each kit contains 12 bearing halves. BEARING KIT, connecting rod, (standard) BEARING KIT, connecting rod (.010" undersize) BEARING KIT, connecting rod (.020" undersize) BEARING KIT, connecting rod (.030" undersize) BEARING KIT, connecting rod (.040" undersize)

(Revised April 1981)

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