

REPAIR TIME SCHEDULE

N° 3378200 M2

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2 - SPLITTING THE TRACTOR

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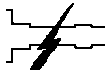


3A - PERKINS ENGINE

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SEE EXPLODED VIEW

			Footstep tractor - Hand throttle control
58 31 06	0,75		Throttle lever
58 31 07	1,25		Throttle cable
58 31 08	0,75		Pin / Washers
58 31 15	0,25		Hand throttle handle
58 31 17	1,00		Hand throttle support - Footstep tractor
58 31 26	0,25		Spring

VALMET ENGINE



3B - 3

SEE EXPLODED VIEW

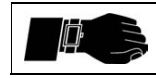
	#	2,00	2,00	Additional time for side stiffeners
71 04 00	6,50	6,50		# Main bearing cap
71 06 00	14,75	14,75		Complet engine
71 06 02	39,50	39,50		Cylinder block
71 08 00	14,75	18,25	•	Cylinder liner
71 08 01	3,25	3,25	•	Additional liner
71 08 02	14,75	18,25		Cylinder O'ring
71 08 03	1,25	1,25		Additional cylinder O'ring
71 09 00	1,25	1,25	•	Welsh plug
71 09 05	9,50	9,50	•	# Rear plug
71 20 00	4,50	-		Piston cooling jet
71 51 00	0,25	0,25		Drain plug
71 61 00	0,50	0,50		Cover joint
75 21 00	11,25	11,25		Camshaft bush
76 02 00	0,50	0,50		Oil dipstick



SEE EXPLODED VIEW




			8270 / 8280 - Inlet / Exhaust manifold
72 05 09	2,00		Exhaust manifold
72 06 10	1,50		Intercooler
72 06 11	2,00		Inlet manifold
72 65 01	2,00		Inlet manifold joint
77 01 02	0,25		Pipe
79 17 10	0,25		Pipe
79 19 15	0,25		Tube

VALMET ENGINE



SEE EXPLODED VIEW

3B - 43

			8270 / 8280 - Water pump
79 19 10	1,00		Water pump assembly
79 19 11	0,50		Housing
79 19 12	1,50		Housing
79 19 13	1,75		Body
79 19 14	2,00		Impeller
79 19 16	2,00		Shaft / Seal
79 19 17	1,50		Bearings / Seal
79 19 18	1,25		Circlip
79 19 19	1,25		Gear
79 19 20	1,25		O'ring
79 19 21	0,25		O'ring
79 19 22	1,50		Gasket
79 19 23	0,50		O'ring
79 19 24	1,25		O'ring
79 19 25	0,50		Turbine



SEE EXPLODED VIEW




				8250 to 8280 - Injection pump - Fuel filter and pipes
<input type="checkbox"/>	1	75 12 00	2,75	• Fuel injection pump gear
<input type="checkbox"/>		77 01 00	2,00	Fuel injection pump
<input type="checkbox"/>		77 01 01	0,50	• Fuel injection pump timing
<input type="checkbox"/>		77 03 00	0,25	High pressure pipe
<input type="checkbox"/>		77 03 01	0,50	High pressure pipes assembly
<input type="checkbox"/>		77 07 00	0,50	• Injector nozzle
<input type="checkbox"/>		77 07 01	2,50	• Set of injector nozzle
<input type="checkbox"/>		77 07 02	0,50	• Injector seal ring
<input type="checkbox"/>		77 16 00	0,25	Return pipe
<input type="checkbox"/>		77 16 02	0,25	Injector return pipe
<input type="checkbox"/>		77 60 00	1,50	Joint fuel injection pump
<input type="checkbox"/>	2	77 02 00	0,50	Lift pump
<input type="checkbox"/>		77 02 01	0,75	Lift pump overhaul
<input type="checkbox"/>		77 02 02	0,25	Feed pipe
<input type="checkbox"/>		77 04 02	0,25	Fuel injection pump feed pipe
<input type="checkbox"/>		77 17 00	0,50	Fuel filter assembly
<input type="checkbox"/>		77 17 02	0,75	Filter head
<input type="checkbox"/>		77 17 03	0,25	Filter bowl
<input type="checkbox"/>		77 17 05	0,25	Filter element

VALMET ENGINE



SEE EXPLODED VIEW

3B - 63




				Lower fuel tank
	14 06 03	0,75		Additional tank level gauge
	57 04 04	1,00		Fuel return pipe
	57 17 13	0,25		Pre-filter feed pipe
	57 80 01	1,50		Additioanl fuel tank
	57 80 18	0,50		Fuel tank drain plug
	57 80 22	0,25		Bellow
	57 80 23	0,75		Pipe
	57 80 24	0,25		Cap
	57 80 25	0,25		Cover
	57 80 26	0,25		Cover

DYNASHIFT GEARBOX



5A - 9

SEE EXPLODED VIEW

			Forward - Reverse	
#	2,00		Additional time for side stiffeners - Valmet engine	
□	1,75		Additional time for side reinforcements - One side	
19 07 30	15,75	•	# □	Secondary shaft
19 07 31	14,75	•	# □	Retaining plate
19 07 32	15,25	•	# □	Shims
19 07 33	15,25	•	# □	Front taper roller bearing
19 07 34	15,25	•	# □	Front thrust washer
19 07 35	15,25	•	# □	Front needle bearing
19 07 36	15,25	•	# □	Reverse drive gear
19 07 37	15,25	•	# □	Reverse shuttle synchromesh
19 07 38	15,25	•	# □	Bush
19 07 39	15,25	•	# □	Forward drive gear
19 07 40	14,50	•	# □	Taper roller bearings
19 07 41	14,50	•	# □	Idler gear
19 07 42	14,50	•	# □	Circlip
19 07 43	14,50	•	# □	Idler gear pin
19 07 44	14,25	•	# □	Roller bearing
19 07 45	15,25	•	# □	Rear taper roller bearing
19 07 46	15,25	•	# □	Rear thrust washer
19 07 47	15,25	•	# □	Rear needle bearing
19 07 48	15,25	•	# □	Synchromesh cones

FULL POWERSHIFT GEARBOX



5B - 7

SEE EXPLODED VIEW

			2nd gear train - Clutches A - 2
19 25 12	25,00		Front bearing
19 25 14	25,50		Rear bearing
19 25 15	25,00		Circlip
19 25 16	25,75		Bearing
19 25 17	25,75		Gear 42 teeth
19 25 18	25,75		Circlip
19 25 19	25,75		Crownwheel
19 25 20	26,00		Friction discs rear clutch
19 25 21	26,00		Steel plates rear clutch
19 25 22	26,00		Bearing
19 25 23	26,00		Circlip
19 25 24	26,00		Circlip
19 25 25	26,00		Belleville washers
19 25 26	26,00		Washer
19 25 27	26,00		Piston
19 25 28	26,00		Seals
19 25 29	26,50		Shaft clutches
19 25 30	25,75		Circlip
19 25 31	25,75		Crownwheel
19 25 32	26,00		Friction discs front clutch
19 25 33	26,00		Steel plates front clutch
19 25 34	26,00		Circlip
19 25 35	26,00		Circlip
19 25 36	26,00		Belleville washers
19 25 37	26,00		Washer
19 25 38	26,00		Piston
19 25 39	26,50		Remove and replace 2 sets of clutch discs
19 25 40	24,75		Seals
19 25 41	26,00		Seals
19 25 42	25,50		Circlip
19 25 43	25,75		Bearing
19 25 44	25,75		Gear 48 teeth
19 25 54	25,75		Bearing

FULL POWERSHIFT GEARBOX



SEE EXPLODED VIEW

5B - 17

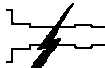


			4th gear train - Clutches C - 1
19 25 12	25,00		Front bearing
19 25 14	25,50		Rear bearing
19 25 15	25,00		Circlip
19 25 16	25,75		Bearing
19 25 18	25,75		Circlip
19 25 19	25,75		Crownwheel
19 25 20	26,00		Friction discs rear clutch
19 25 21	26,00		Steel plates rear clutch
19 25 22	26,00		Bearing
19 25 23	26,00		Circlip
19 25 24	26,00		Circlip
19 25 25	26,00		Belleville washers
19 25 26	26,00		Washer
19 25 27	26,00		Piston
19 25 28	26,00		Seals
19 25 30	25,75		Circlip
19 25 31	25,75		Crownwheel
19 25 32	26,00		Friction discs - Front clutch
19 25 33	26,00		Steel plates - Front clutch
19 25 34	26,00		Circlip
19 25 35	26,00		Circlip
19 25 36	26,00		Belleville washers
19 25 37	26,00		Washer
19 25 38	26,00		Piston
19 25 39	26,50		Remove and replace 2 sets of clutch discs
19 25 40	24,75		Seals
19 25 41	26,00		Seals
19 25 42	25,50		Circlip
19 25 43	25,75		Bearing
19 25 48	25,75		Gear 70 teeth
19 25 49	26,50		Shaft clutch C - 1
19 25 50	25,75		Gear 62 teeth
19 25 54	25,75		Bearing

REAR AXLE



SEE EXPLODED VIEW

6 - 9




			Double reduction trumpets
25 01 12	0,50		+ 1 Additional planetary pinion
25 01 35	8,75		Washer
25 01 36	8,25		Spacer
25 01 37	8,25		Circlip / Washer
25 01 38	8,25		Bearing
25 01 54	2,00		Cassette seal
25 01 55	8,00		Bush
25 01 56	9,25		Wheel axle
25 01 57	8,75		Circlip
25 01 58	8,75		Taper roller bearing
25 01 60	7,25		Trumpet assembly
25 01 61	9,00		Trumpet housing
25 01 66	8,75		Needle roller bearing of secondary reduction
25 01 67	8,75		1 Planetary of secondary reduction
25 01 68	8,25		Crownwheel secondary reduction
25 01 69	8,75		Secondary planetary carrier
25 01 72	8,25		Clevis pin
25 01 73	2,00		Plug
25 01 74	8,50		Tube
25 01 75	8,75		Taper roller bearing
25 01 76	8,50		Spacer tightness

REAR AXLE

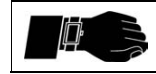


6 - 19

SEE EXPLODED VIEW

				Brake master cylinders and booster
				
<input type="checkbox"/>	1	26 01 25	1,75	* 1 Master cylinder
<input type="checkbox"/>		26 01 28	1,00	* Tube
<input type="checkbox"/>		26 01 30	1,00	* Tube
<input type="checkbox"/>		26 01 32	2,00	* 2 Master cylinders
<input type="checkbox"/>		26 01 33	1,00	* Seals
<input type="checkbox"/>		26 01 38	0,75	Brake circuit bleeding
<input type="checkbox"/>		26 01 48	2,50	* 1 Booster
<input type="checkbox"/>		26 01 49	3,00	* 2 Boosters
<input type="checkbox"/>		26 01 52	2,00	* 1 Seal kit master cylinder
<input type="checkbox"/>		26 01 53	2,50	* 2 Seal kits master cylinders
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>	2	26 01 24	2,50	* 1 Repair kit master cylinder
<input type="checkbox"/>		26 01 29	1,00	* Manifold
<input type="checkbox"/>		26 01 30	1,00	* Tube
<input type="checkbox"/>		26 01 31	3,00	* 2 Repair kit master cylinder
<input type="checkbox"/>		26 01 33	1,00	* Seals
<input type="checkbox"/>		26 01 38	1,50	Brake circuit bleeding
<input type="checkbox"/>		26 01 44	1,00	* 2 Banjo fitting
<input type="checkbox"/>		26 01 50	2,00	* 1 Master cylinder
<input type="checkbox"/>		26 01 51	2,50	* 2 Masters cylinders
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				* Brake circuit bleeding included
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
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REAR AXLE

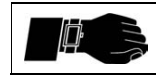


6 - 29

SEE EXPLODED VIEW

			
			Center housing - Differential multidiscs 8260 to 8280
27 01 00	78,00	•	Central housing
27 01 01	78,00	•	Crownwheel / Pinion assembly
27 01 06	43,25	•	Thrust washers
27 01 07	43,25	•	Planetary pinions
27 01 09	31,00	•	Taper roller bearing
27 01 10	31,00	•	Front taper roller bearing
27 01 13	42,25	•	Differential case
27 01 14	19,25	•	RH differential support
27 01 15	19,25	•	Taper roller bearing
27 01 25	19,25	•	Taper roller bearing
27 01 31	1,50		Differential lock feed pipe
27 01 53	19,25	•	Differential bearing shimming
27 01 54	6,00		6 Screws
27 01 55	31,00	•	Setting pinion protrusion
27 01 56	28,00	•	Setting preload on pinion bearing
27 01 57	7,50	•	O'ring
27 01 58	6,00		6 Screws
27 01 60	20,00	•	Nut
27 01 62	31,00	•	Bearing casing
27 01 69	42,50	•	8 Friction discs
27 01 71	42,50	•	7 Counter plates
27 01 72	7,75		Ring / O'rings
27 01 73	19,25	•	Differential bearing shimming
27 01 75	42,50		O'rings
27 01 76	42,50		Piston
27 01 77	45,50	•	LH differential casing
27 01 78	42,00	•	8 Screws
27 01 79	19,25	•	LH differential support
27 01 80	43,25		Sun gears and hubs
27 01 81	43,25	•	4 Axles
27 01 82	21,00		Washer
27 01 83	43,00	•	4 Needles
27 01 84	43,25	•	Cross
27 01 90	0,50		Oil gauge

REAR AXLE



SEE EXPLODED VIEW

6 - 39

				Drawbar
	32 02 02	0,75		Swinging drawbar
	32 02 04	0,25		Pin
	32 02 05	0,50		Roller needle bearing
	32 02 06	0,25		Roller
	32 02 07	0,25		Roller support
	32 02 09	0,25		Pin
	32 02 14	0,25		Pin
	32 02 18	0,50		Clevis
	32 02 19	0,25		Shield
	32 02 25	0,25		Shackle
	32 02 26	1,00		Front bearing
	32 02 27	0,75	5	Screws
	32 02 28	1,00		Front bearing with sensor
	32 02 29	0,75		Clevis
	32 02 30	0,25		Latch
	32 02 31	0,50		Shield
	60 40 53	0,50		Draft sensor bracket
	60 40 58	0,75		Draft sensor (15 T)

REAR AXLE



6 - 49

SEE EXPLODED VIEW

					Creeper for Dynashift gearbox
<input type="checkbox"/>	1	19 21 01	18,25		Stop plate
<input type="checkbox"/>		19 21 02	18,25		Thrust washer
<input type="checkbox"/>		19 21 04	18,50		1 Planetary and pin assembly
<input type="checkbox"/>		19 21 05	17,75		Splined bush
<input type="checkbox"/>		19 21 06	18,25		Ring gear
<input type="checkbox"/>		19 21 07	17,75		Coupling sleeve
<input type="checkbox"/>		19 21 08	17,25		Creeper gear lever
<input type="checkbox"/>		19 21 09	17,50		Creeper gear fork
<input type="checkbox"/>		19 21 10	0,50		Arm
<input type="checkbox"/>		19 21 11	2,00		Cable bracket
<input type="checkbox"/>		19 21 27	18,25		Circlip
<input type="checkbox"/>		19 21 46	17,25		Roll pin
<input type="checkbox"/>		19 21 47	17,25		Plug / Spring / Plunger
<input type="checkbox"/>		19 21 50	0,25		Additional planetary and pin
<input type="checkbox"/>		19 21 83	17,50		Ring
<input type="checkbox"/>		19 21 86	17,50		Shaft
<input type="checkbox"/>		19 21 89	19,00		Planetary carrier
<input type="checkbox"/>		19 21 90	19,00		Support
<input type="checkbox"/>		19 21 91	18,00		Creeper gear assembly (Dynashift)
<input type="checkbox"/>	2	19 21 12	2,00		Creeper gear cable
<input type="checkbox"/>		19 21 14	2,00		Creeper gear control lever
<input type="checkbox"/>		19 21 16	1,00		Creeper gear switch
<input type="checkbox"/>		19 21 18	2,00		Plate
<input type="checkbox"/>		19 21 24	1,25		Creeper gear harness
<input type="checkbox"/>		19 21 25	1,00		Creeper gear relay
<input type="checkbox"/>		19 21 40	2,00		Pin / Washer / Nut
<input type="checkbox"/>		19 21 41	0,25		Handle
<input type="checkbox"/>		19 21 42	0,25		Cap
<input type="checkbox"/>		19 21 92	0,75		Diod
<input type="checkbox"/>		19 21 93	1,00		Flashing relay

POWER TAKE OFF

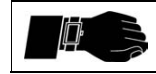


7 - 5

SEE EXPLODED VIEW

			Shiftable PTO
			
29 01 02	5,75		Taper roller bearing
29 01 04	6,50		Shaft
29 01 06	5,25		PTO brake piston / Oil seals
29 01 16	5,25		Shiftable PTO fork
29 01 17	5,50		Oil seal / Deflector
29 01 18	5,75		PTO cover
29 01 21	5,75		Taper roller bearing
29 01 23	5,25		Hub
29 01 24	5,25		Coupler
29 01 25	5,25		Pad
29 01 26	5,25		Fork pin
29 01 28	5,25		Ball bearing
29 01 30	5,25		Oil deflector
29 01 32	5,00		Gear 540 or 750 rpm
29 01 34	5,25		Gear - 1000 rpm
29 01 35	5,25		Circlip
29 01 42	0,25		1000 rpm shaft
29 01 43	0,25		540 rpm shaft
29 01 44	5,50		O'ring
29 01 45	5,25		Circlip
29 01 46	5,50		Bush
29 01 53	4,75		Circlip washer
29 01 57	5,25		O'ring
29 01 76	5,50		Output flanged PTO shaft
29 01 79	5,00		Circlip
29 01 80	5,75		Bearing carrier / Shims
29 01 81	5,75		Gear 540 or 750 rpm
29 01 82	5,25		Ring
29 01 83	0,25		PTO shaft 1000 rpm - 20 splines
29 01 84	5,75		Gear -1000 rpm
29 01 85	5,75		Bearing housing
29 01 86	6,75		Circlip
29 01 93	5,50		Ring / Washers
29 03 26	0,25		Plunger / Spring / Spacer

FRONT AXLE



8 - 3

SEE EXPLODED VIEW

				Dana differential
	*	1,00		Additional time for Belly weight
25 18 17		9,00	•	* Piston O'rings
25 18 18		7,75	•	* Taper roller bearings
25 18 19		1,25	•	Nut
25 18 20		3,25	•	Oil seal
25 18 21		7,25	•	* Taper roller bearing
25 18 22		9,00	•	* Differential case
25 18 23		9,00	•	* Crownwheel and pinion assembly
25 18 24		8,00	•	* Repair kit
25 18 25		7,75	•	* Taper roller bearing
25 18 26		6,75	•	* Circlip / Washer
25 18 27		6,75	•	* Coupler
25 18 28		8,50	•	* Taper roller bearing
25 18 53		6,75	•	* Spring
25 18 54		7,00	•	* Piston
25 18 55		6,75	•	* Spring seat
25 18 56		7,00	•	* Castellated nut
25 18 61		7,75	•	* Cover assembly
25 18 62		7,75	•	* Coupler
25 18 63		7,25	•	* Planetaries / Washers
25 18 64		7,75	•	* Sun gears
25 18 73		8,00	•	* Spacer / Washer
25 18 74		6,50	•	* Differential assembly
25 18 75		1,25		Deflector
25 18 76		1,25		Rear seal and washer
25 18 77		1,75		Bush
25 18 81		1,75		Nut
25 18 82		1,75		Flange
25 18 83		7,75		Flange
25 18 84		7,75		Bush
25 18 98		6,50	*	Differential case tightness

FRONT AXLE



SEE EXPLODED VIEW

8 - 23

			Final drive units - Carraro front axle with suspension system
*	1,25		Additional time for front axle with suspension system
*	3,00		Additional time for belly weight
*	6,00		Additional time for front linkage
*	5,00		Additional time for front PTO
25 21 03	2,25		Steering ram
25 21 04	1,00		Sleeve
25 21 05	0,75		Steering ball joint
25 21 06	2,50		Ram rod
25 21 07	2,50		Ram cylinder
25 21 08	2,50		Ram head
25 21 09	2,50		Seals and rings
25 21 10	4,25	*	Washer
25 21 11	3,25		Transmission shaft
25 21 12	3,50		Universal joint
25 21 13	3,25		Transmission shaft
25 21 14	1,25		Washer
25 21 15	1,25		Ring
25 21 16	1,25		Ring
25 21 17	3,00		Ring
25 21 18	0,50		Top cover
25 21 19	2,75		Pivot
25 21 20	0,50		Bottom cover
25 21 21	2,25		Wheel hub
25 21 22	2,75	*	Cassette seal
25 21 23	2,75	*	Ball bearing
25 21 24	0,75		O'ring
25 21 25	2,75	*	Ball bearing
25 21 26	1,75		Ring
25 21 27	1,75		Flange
25 21 28	1,75		Ring
25 21 29	0,50		Cover screw
25 21 30	0,75		Drive unit cover
25 21 31	3,00	*	Rings
25 21 32	1,25		Sun gear
25 21 33	1,25		Needles
25 21 34	1,00		Circlip
25 21 35	1,00		Stop washer
25 21 36	1,25		Needle bearing
25 21 37	1,00		Stop washer
25 21 38	1,25		Stop screw

FRONT AXLE



SEE EXPLODED VIEW

			4 WD - Clutch
			
27 01 33	26,00		4 WD control gear
27 01 34	26,00		Circlip
29 05 00	3,50		4 WD clutch assy
29 05 02	3,50		Friction plates
29 05 03	3,50		Friction discs
29 05 04	3,50		Belleville springs
29 05 05	3,50		Plate
29 05 06	3,50		Hub
29 05 07	3,50		O'rings
29 05 08	3,50		Piston
29 05 09	2,00		Oil seal
29 05 10	3,25		4 WD shaft
29 05 11	3,25		Drum gear
29 05 12	3,25		Front taper roller bearings
29 05 16	2,00		O'ring
29 05 17	2,00		Cap
29 05 18	0,25		Circlip
29 05 19	3,25		Circlip
29 05 20	3,25		Bush / Seal ring
29 05 21	3,50		Clutch housing
29 05 22	3,25		Rear taper roller bearing
29 05 27	0,25		Drain plug
29 05 28	3,50		Sleeve
29 05 29	3,50		O'ring
29 05 33	3,25		Circlip
29 05 34	3,50		Inner O'ring
29 05 35	1,00		Outer O'ring
29 05 36	1,00		Supply tube
29 05 37	1,00		Lub tube
29 05 38	1,00		Cover
29 05 39	2,00		Seal
29 05 40	3,50		Circlip
29 05 41	3,50		Shims
29 05 98	1,00		4 WD cover tightness

HYDRAULIC



9 - 7




SEE EXPLODED VIEW

			Hoses and pipes
22 01 82	2,00		Tube to manifold
22 04 01	1,75		Oil cooler Perkins engine
22 04 04	0,50		Supply hose to brake tank
22 04 06	0,75		Hose to Orbitrol
22 04 17	0,50		PTO brake pipe
22 04 32	0,50		Hydraulic circuit bleeding
22 04 34	1,25		Lub pipe
22 04 59	0,50		Steering valve / Brake booster return hose
22 04 84	1,00		Brake tank return hose and / or elbow
22 04 87	0,50		Lub RH trumpet
22 04 88	0,50		Lub LH trumpet
22 04 89	1,25		Lub pump bearing
22 05 01	1,00		Low pressure test
22 05 02	0,75		Brake / Clutch test
22 05 04	1,50		Complete test
22 05 12	1,50		Full Powershift hydraulic test
22 13 02	1,75		Lub pipe
22 13 03	0,75		Lub hose
22 13 04	0,75		Hose to oil cooler
22 13 05	1,75		Oil cooler Valmet engine
22 13 06	0,75		Hose from oil cooler
22 13 10	0,75		4-way union
22 13 11	1,75		Tee union
22 13 14	2,50		Rear pipe LH brake supply
22 13 15	2,50		Rear pipe RH brake supply
22 13 16	2,50		Hose to LH brake
22 13 17	2,50		Hose to RH brake
22 13 18	2,50		Front pipe RH brake supply
22 13 19	2,50		LH brake supply front pipe
22 13 23	0,75		Hose to thermostatic valve
22 13 54	0,75		Pipe to oil cooler
22 13 55	0,75		Pipe from oil cooler
26 01 38	1,50		Brake circuit bleeding
26 01 54	0,50		Brake master cylinder feed hose
29 04 30	0,50		PTO brake oil supply pipe and/or fitting
29 04 33	1,25		PTO lub pipe

HYDRAULIC



SEE EXPLODED VIEW

				Auxiliary distributors
	22 03 98	4,00		Auxiliary distributor support tightness
	22 04 16	0,50		Spool valve feed pipe and/or fittings
	22 04 64	1,00		Union and O'ring
	22 04 66	4,25		Spool valve return pipe
	22 04 67	0,50		Elbow and O'ring
	22 04 70	4,00		Gasket
	33 01 84	0,25		Gauge/Tube
	33 01 85	2,50		Auxiliary spool valve bracket
	22 04 92	3,75		Spool valve return tube
	27 01 27	0,25		Dipstick and tube
	33 01 77	3,00		Auxiliary distributor support
	33 01 79	1,50		Seal
	33 01 80	1,00		Plate
	33 01 81	0,50		Plate
	33 01 82	3,75		Seals

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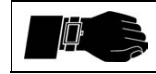
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HYDRAULIC



SEE EXPLODED VIEW

9 - 47

			150 l/min - RH hydraulic pipes
22 01 32	0,75		Return pipe
22 01 41	0,75		Pilot pipe and/or fitting
22 02 11	0,25		Diagnosis coupler
22 02 36	0,75		17 bar Dual Control valve feed hose
22 02 38	0,50		Tee union
22 04 06	0,75		Hose to Orbitrol
22 04 07	0,50		17 bar feed pipe
22 04 15	0,75		Trailer brake socket pipe and/or fittings
22 04 16	0,50		Spool valve feed pipe and/or fittings
22 04 30	0,25		Trailer brake coupler
22 04 31	0,75		Orbitrol return hose
22 04 36	0,50		Pilot hose
26 01 54	0,50		Brake master cylinder feed hose

ELECTRICAL EQUIPMENT

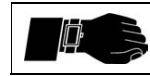


SEE EXPLODED VIEW




10 - 3

					Engine harness / Batteries
<input type="checkbox"/>	1	14 01 26	1,50		Power supply harness
<input type="checkbox"/>		14 01 28	0,25		Fuse
<input type="checkbox"/>	2	13 04 10	0,50		Earth cable
<input type="checkbox"/>		13 04 11	0,75		Starter motor cable
<input type="checkbox"/>		13 04 12	0,25		Battery cover
<input type="checkbox"/>		13 04 14	0,50		Battery cut-off
<input type="checkbox"/>		13 04 15	0,25		Stirrup
<input type="checkbox"/>		14 01 00	1,50	•	Electrical fault diagnosis
<input type="checkbox"/>		14 01 13	0,50		Batteries
<input type="checkbox"/>		14 02 25	0,50		Cab earth cable

ELECTRICAL EQUIPMENT





SEE EXPLODED VIEW

				Instrument panel harness - Full Powershift (USA only)
14 01 00		1,50	•	Electrical fault diagnosis
14 02 01		0,50		Starter switch
14 02 06		0,25		Wiper relay
14 02 07		0,25		Flasher unit
14 02 08		0,25		Rear working light switch
14 02 09		0,25		Front working light switch
14 02 10		0,25		Hazard warning light switch
14 02 11		0,25		Relay
14 02 13		1,25		Light switch
14 02 23		0,25		Park light switch
14 02 26		0,25		Earth terminal block
14 02 81		6,00		Harness (Full Powershift)
26 01 26		0,50	1	Brake switch

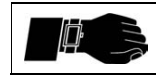
ELECTRICAL EQUIPMENT



SEE EXPLODED VIEW

<input type="checkbox"/>	<input type="checkbox"/>				Front and rear lighting equipment
<input type="checkbox"/>	1	14 01 21	0,50		Working lights
<input type="checkbox"/>		14 01 60	0,50		Front roof flashing light
<input type="checkbox"/>		14 01 61	0,50		Rear roof flashing light
<input type="checkbox"/>					
<input type="checkbox"/>		14 02 02	0,25		Horn
<input type="checkbox"/>		14 02 08	0,25		Rear working light switch
<input type="checkbox"/>		14 02 09	0,25		Front working light switch
<input type="checkbox"/>					
<input type="checkbox"/>	2	14 02 02	0,25		Horn
<input type="checkbox"/>		14 02 18	0,25		Front flashing / Park lights
<input type="checkbox"/>		14 02 19	0,50		Front light
<input type="checkbox"/>		14 02 20	0,25		Headlamp

ELECTRICAL EQUIPMENT



SEE EXPLODED VIEW

10 - 43

			Footstep front light equipment
14 01 22	0,75		Number plate light
14 01 34	0,50		Plug and connector
14 01 62	0,50		Triangle support
14 01 63	0,25		Warning triangle
14 01 64	0,50		Warning triangle sticker
14 02 02	0,25		Horn
14 02 17	0,50		Rear flashing / Parks lights
14 02 18	0,25		Front flashing / Park lights
14 02 20	0,25		Headlamp
28 04 26	0,50		Left hand side light support
28 04 27	0,50		Right hand side light support

ELECTRONIC



11 - 9

SEE EXPLODED VIEW

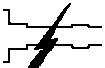


			Armrest controls
28 06 32	2,00		Support
28 06 33	0,25		Ashtray
28 06 34	0,50		Right flange
28 06 35	0,75		Cover
28 06 36	0,75		Foam
28 06 37	1,00		Support
28 06 38	0,50		Left flange
28 06 39	0,50		Plate
28 06 40	0,50		Angle
60 30 65	0,25		4 WD and diff.lock switch
60 31 00	2,00	•	DCC / TC Fault diagnostic
60 31 01	1,50		DCC / TC calibration
60 31 07	0,75		Harness
60 31 08	1,50		Armrest lever
60 31 09	0,75		Neutral switch
60 31 10	0,75		Switch lever potentiometer
60 31 11	0,75		Park lock switch
60 31 12	0,50		Lever handle
60 31 13	1,25		Spring
60 31 14	1,00		Link rod

ELECTRONIC

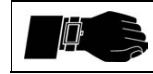


SEE EXPLODED VIEW

11 - 19




				Steering column controls
<input type="checkbox"/>	1	14 02 13	1,25	Lighting switch
<input type="checkbox"/>				
<input type="checkbox"/>		17 01 01	0,25	Steering wheel
<input type="checkbox"/>		17 01 17	1,25	Support
<input type="checkbox"/>		17 01 20	0,5	Cover
<input type="checkbox"/>				
<input type="checkbox"/>		60 30 50	1,50	Mechanical
<input type="checkbox"/>		60 30 51	0,25	Reverse power shuttle lever
<input type="checkbox"/>				
<input type="checkbox"/>	2	14 02 13	1,25	Lighting switch
<input type="checkbox"/>				
<input type="checkbox"/>		17 01 17	1,25	Support
<input type="checkbox"/>				
<input type="checkbox"/>		60 30 32	1,50	Dynashift control lever mechanical reverse shuttle

ELECTRONIC

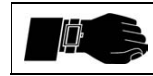


11 - 39

SEE EXPLODED VIEW




				Harnesses footstep
				
1	60 20 06	0,25		540 / 1000 rpm PTO display switch
	60 32 00	1,50		Diagnosis
	60 32 01	2,00		Switch harness
	60 32 02	0,75		PTO switch
2	28 04 32	2,00		Autotronic support
	60 30 01	0,50		Autotronic box
	60 30 17	0,75		PTO speed sensor
	60 30 18	1,00		Ground speed sensor
	60 30 19	0,50		Engine speed sensor
	60 32 03	1,00		Sensor harness

CAB AND EQUIPMENT

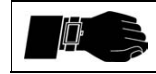


12 - 25

SEE EXPLODED VIEW

				Cab windscreen wiper
14 01 15		1,50		Front wiper motor
28 02 25		0,25		Front jet
28 02 27		0,75		Front jet tube
28 02 29		0,75		Washer pump harness
28 02 34		0,50		Screen washer bottle
28 02 35		0,25		Front wiper arm
28 02 36		0,25		Front wiper blade
28 02 53		0,25		Washer pump
28 02 54		1,75		Wiper linkage
28 02 55		0,25		Washer bracket
28 02 56		0,25		Washer valve
28 02 71		0,25		Washer bracket
28 02 72		0,25		Washer plate
28 04 16		1,75		Wiper bracket
28 04 17		1,75		Wiper bracket

CAB AND EQUIPMENT



12 - 45

SEE EXPLODED VIEW

			Air conditioning
14 01 31	1,25		Pressure switch
15 01 01	3,75		Dehydrator pipe
15 01 02	3,75		Compressor pipe
15 01 08	3,25		Condenser / Compressor pipe
15 01 09	3,75		Condenser
15 01 10	3,25		Condenser / Dehydrator pipe
15 01 11	3,25		Dehydrator
15 01 12	3,50		Compressor
15 01 14	1,00		Cradle
15 01 16	1,50		Pulley
15 01 17	1,50		Inductor
15 01 18	0,75		Compressor belt
15 01 23	2,75		Recharging the air conditioning system

CAB AND EQUIPMENT



12 - 75

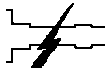

SEE EXPLODED VIEW

				Platform cladding
	28 05 36	0,25		Foostep
	28 05 37	1,25		Support
	28 05 38	0,75		Rubber mounting
	28 06 07	0,50		Safety belt
	28 06 30	0,50		Seat
	28 06 31	0,75		Support
	28 09 06	0,50		Console
	28 09 07	0,75		Cover

ACCESSORIES



SEE EXPLODED VIEW

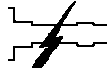


			Front linkage - 3,5 t
34 10 01	1,00		Lift arm support
34 10 06	0,25		1 Pin
34 10 08	0,25		Front top link
34 10 14	0,25		1 Connection hose
34 10 15	1,00		1 Front linkage ram
34 10 24	0,25		LH lift arm
34 10 25	0,25		RH lift arm
34 10 29	2,00		Ram seals
34 10 53	0,75		1 Side plate
34 10 54	0,50		Top link support
34 10 55	0,25		Connecting hose
34 10 56	0,25		1 Connecting hose
34 10 57	0,50		Double acting feed hose
34 16 16	0,50		Accumulator
34 16 17	0,75		Tube
34 16 18	0,50		Elbow
34 16 19	0,50		Accumulator
34 16 21	0,50		Accumulator support

ACCESSORIES



13 - 49

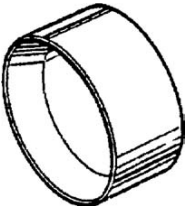

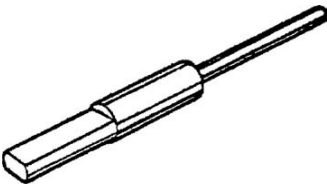
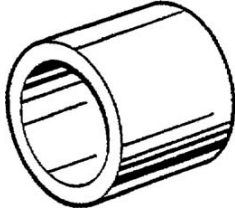
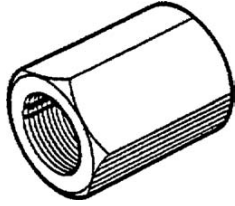
SEE EXPLODED VIEW

			
			Spring loaded mud guard
16 02 23	0,25		Mudguard
16 02 28	0,50		Upper support
16 02 29	0,50		Support
16 02 30	0,75		Pivot bracket
16 02 31	0,75		Spring
16 02 32	0,75		Adaptor
16 02 33	0,25		Brackets

SERVICE TOOLS



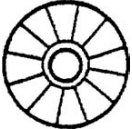
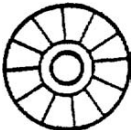
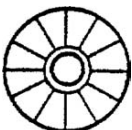
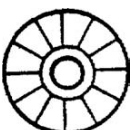
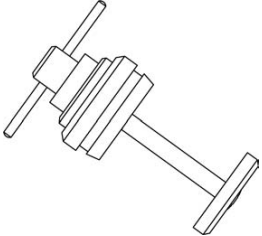
14 - 7

Tool number Référence	Description Désignation	Tractor Tracteur
<p>PD.206</p> 	<ul style="list-style-type: none"> • Piston refitting tool • Outil de repose pour pistons 	<p>3000 3100 3600 6100 8100 6200 8200</p>
<p>PD.208</p> 	<ul style="list-style-type: none"> • Dial gauge for use with PD.41D • Comparateur pour utilisation avec PD.41D 	<p>3000 3100 3600 6100 8100 6200 8200</p>
<p>PD.221A</p> 	<ul style="list-style-type: none"> • Piston position probe • Pige de position piston 	<p>3000 3100 3600 6100 8100 6200 8200</p>
<p>PD.248</p> 	<ul style="list-style-type: none"> • Adaptator for exhaust valve use with PD.1D and PD.1D-1A • Adaptateur pour soupape d'échappement à utiliser avec PD.1D et PD.1D-1A 	<p>3000 3100 3600 6100 8100 6200 8200</p>
<p>PD.6118-7</p> 	<ul style="list-style-type: none"> • Stud adaptor for use with 6118B • Adaptateur sur goujon pour utilisation avec 6118B 	<p>3000 3100 3600 6100 8100 6200 8200</p>

SERVICE TOOLS



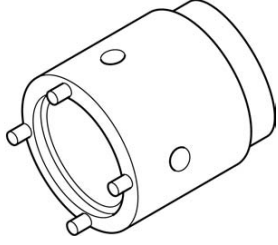
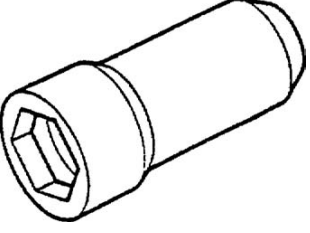

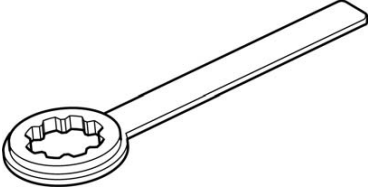
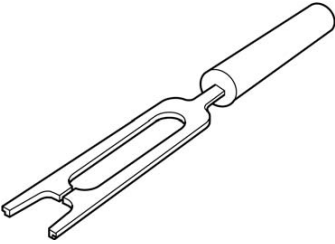
14 - 17

Tool number Référence	Description Désignation	Tractor Tracteur
<p>9101 65502</p> 	<ul style="list-style-type: none"> • Exhaust valve seat cutter • Fraise pour siège soupape d'échappement <p>620 DS engine - Moteur 620 DS 645 engine - Moteur 645</p>	<p>3600 8100 8200</p>
<p>9101 65503</p> 	<ul style="list-style-type: none"> • Exhaust valve seat cutter • Fraise pour siège soupape d'échappement <p>620 DS engine - Moteur 620 DS 645 engine - Moteur 645</p>	<p>3600 8100 8200</p>
<p>9101 65505</p> 	<ul style="list-style-type: none"> • Inlet valve seat cutter • Fraise pour siège soupape d'admission <p>620 DS engine - Moteur 620 DS 645 engine - Moteur 645</p>	<p>3600 8100 8200</p>
<p>9101 65506</p> 	<ul style="list-style-type: none"> • Inlet valve seat cutter • Fraise pour siège soupape d'admission <p>620 DS engine - Moteur 620 DS 645 engine - Moteur 645</p>	<p>3600 8100 8200</p>
<p>9101 65600</p> 	<ul style="list-style-type: none"> • Milling cutter for cylinder liner seat • Alésoir pour logement de chemise <p>620/634 engines - Moteur 620/634</p>	<p>3600 8100 8200</p>

SERVICE TOOLS



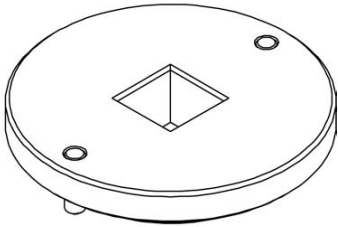
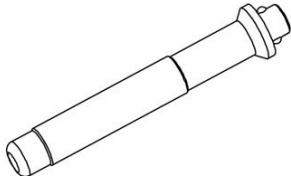
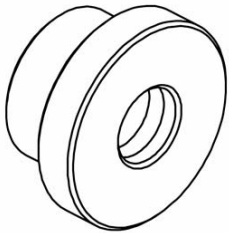
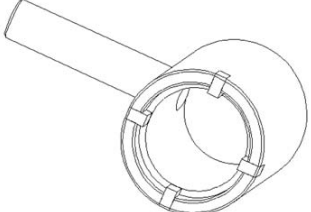
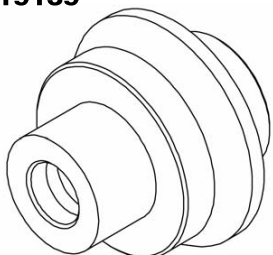
14 - 27

Tool number Référence	Description Désignation	Tractor Tracteur
<p>MF 391</p> 	<ul style="list-style-type: none"> • Socket for nut of layshaft • Douille pour écrou arbre intermédiaire 	8200
<p>MF 409</p> 	<ul style="list-style-type: none"> • Output shaft nut socket (Speedshift gearbox) • Douille d'écrou d'arbre de sortie (Boîte de vitesses Speedshift) 	3600
<p>MF 456</p> 	<ul style="list-style-type: none"> • Socket of 63 for mainshaft nut (4x4 gearbox) • Douille de 63 pour écrou d'arbre de renvoi 	3000 3100
<p>MF 458</p> 	<ul style="list-style-type: none"> • Mainshaft retaining tool (Normal Duty gearbox) • Outil de maintien arbre de renvoi (Boîte de vitesses gearbox Normal Duty) 	3000 3100 6100 6200
<p>MF 459</p> 	<ul style="list-style-type: none"> • Output shaft snap ring replacer • Outil de repose jonc d'arbre de sortie • Front PTO shaft snap ring replacer • Outil de repose jonc de l'arbre de PDF avant 	3000 3100 3600 6100 8100 6200 8200

SERVICE TOOLS



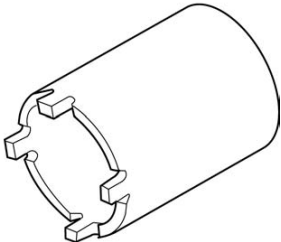
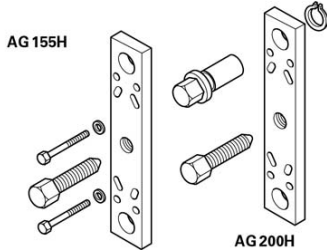
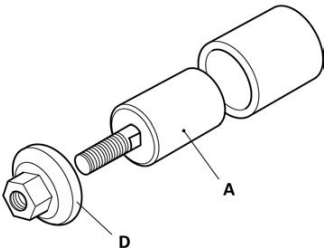

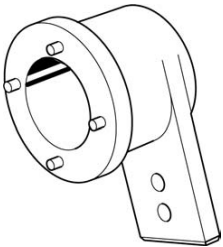
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Tool number Référence	Description Désignation	Tractor Tracteur
<p>CA119030</p> 	<ul style="list-style-type: none"> • Ring nut wrench • Clé pour écrous 	<p>6200 8200</p>
<p>CA119033</p> 	<ul style="list-style-type: none"> • Interchangeable handle • Poignée interchangeable 	<p>6200 8200</p>
<p>CA119055</p> 	<ul style="list-style-type: none"> • Bush driver • Outil de montage des bagues 	<p>6200 8200</p>
<p>CA119099</p> 	<ul style="list-style-type: none"> • Pinion lock nut wrench • Clé pour écrou de pignon 	<p>6200 8200</p>
<p>CA119139</p> 	<ul style="list-style-type: none"> • Oil seal driver • Outil de montage des joints 	<p>6200 8200</p>

SERVICE TOOLS




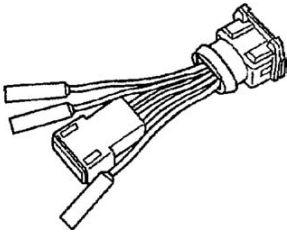
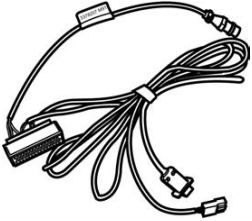
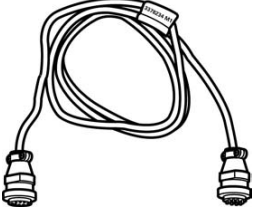
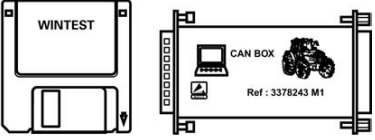
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Tool number Référence	Description Désignation	Tractor Tracteur
<p>3378028 M1</p> 	<ul style="list-style-type: none"> • Special socket - AG axles 125 - 155 - 200 • Douille spéciale ponts avant - AG 125 - 155 - 200 	<p>6100 8100 6200 8200</p>
<p>3378038M1</p> 	<ul style="list-style-type: none"> • Hub carrier puller - AG front axles • Extracteur de moyeu - Ponts avant AG 	<p>6100 8100 6200 8200</p>
<p>3378039 M1</p> 	<ul style="list-style-type: none"> • Ring gear carrier /cassette seal installer (AG 125 - 155 - 200 front axles) • Outil de montage porte couronne et joint cassette (ponts AG 125 - 155 - 200) 	<p>6100 8100 6200 8200</p>
<p>3378040M1</p> 	<ul style="list-style-type: none"> • Ring for cassette seal installer (AG 85 - 105 front axles) • Bague pour montage joint cassette (ponts AG 85 - 105) 	<p>6100 6200</p>
<p>3378051M1</p> 	<ul style="list-style-type: none"> • Differential nut wrench (AG 155 - 200 front axles) • Clé pour écrou de différentiel (ponts AG 155 - 200) 	<p>8100 8200</p>

SERVICE TOOLS



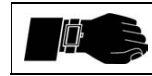
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Tool number Référence	Description Désignation	Tractor Tracteur
<p>3378073M91</p> 	<ul style="list-style-type: none"> • Electronic repair suitcase • Valise dépannage électronique et électrique 	<p>6100 8100</p>
<p>3378077 M1</p> 	<ul style="list-style-type: none"> • Adaptor • Adaptateur 	<p>6100 8100 6200 8200</p>
<p>3378207 M91</p> 	<ul style="list-style-type: none"> • Datatronic programming harness on bench • Faisceau de programmation sur table du Datatronic <p>composé de 3777670 M1 et 3782090 M1</p>	<p>6100 8100 6200 8200</p>
<p>3378234 M1</p> 	<ul style="list-style-type: none"> • 16 pin extension lead (10 m) • Rallonge prise 16 voies (10 m) 	<p>6100 8100 6200 8200</p>
<p>3378243 M1</p> 	<ul style="list-style-type: none"> • CANBOX and WINTEST software (ship 527) with user guide • CANBOX et logiciel WINTEST (ship 527) avec guide utilisateur <p>Replace 3790726 H1 - Remplace 3790726 H1</p>	<p>3000 3100 3600 6100 8100 6200 8200</p>

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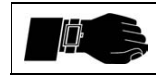
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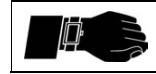
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