SERVICE MANUAL

H135-155XL (F006)



FORM 897137 Rev. 12/03

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SERVICE MANUAL CONTENTS

Section	SRM Number	Rev Date
FRAME	0100 SRM 0322	11/03
GM V6-4.3L ENGINE (CARBURETED)	0600 SRM 0104	09/93
PERKINS ENGINES 4.236, 4.2482	0600 SRM 0105	06/97
PERKINS DIESEL ENGINE-1000 SERIES	0600 SRM 0412	08/97
GM V6-4.3L ENGINE WITH FUEL INJECTION	0600 SRM 0590	11/03
PERKINS DIESEL ENGINE-1000 SERIES (AR, YG, YH)	0600 SRM 0705	09/03
COOLING SYSTEM	0700 SRM 0626	11/01
WEBER CARBURETOR WITH GOVERNOR	0900 SRM 0347	12/92
LPG FUEL SYSTEM	0900 SRM 0348	09/01
MANUAL TRANSMISSION AND OIL CLUTCH	1300 SRM 0061	02/97
TWO-SPEED PS TRANS-DESCR / OPER	1300 SRM 0324	10/03
TWO-SPEED PS TRANSMISSION-REPAIR	1300 SRM 0325	10/03
SPEED REDUCER	1300 SRM 0344	03/97
DIFFERENTIAL	1400 SRM 0046	11/03
DRIVE AXLE	1400 SRM 0049	09/03
STEERING CONTROL UNIT	1600 SRM 0054	10/03
STEERING AXLE	1600 SRM 0326	10/03
BRAKE SYSTEM	1800 SRM 0327	09/03
HYDRAULIC GEAR PUMPS	1900 SRM 0097	10/03
'HYDRAULIC VANE PUMPS	1900 SRM 0098	07/03
HYDRAULIC SYSTEM	1900 SRM 0328	09/03
MAIN CONTROL VALVE	2000 SRM 0090	10/03
TILT CYLINDERS	2100 SRM 0103	10/03
ALTERNATOR	2200 SRM 0002	10/03
STARTER	2200 SRM 0106	02/01
HIGH ENERGY IGNITION SYSTEM	2200 SRM 0107	03/02
INSTRUMENT PANEL INDICATORS / SENDERS	2200 SRM 0143	12/03
MSTS-GM V6-4.3L (EARLY CONTROL MODULES)	2200 SRM 0463	04/93
MSTS-GM V6-4.3L (LATER CONTROL MODULES)	2200 SRM 0765	11/01
GM V6 ENG CONTROL-DESC/OPER (EARLY MODULES)	2200 SRM 0473	03/94
GM V6 ENGINE CONTROL-REPAIR (EARLY MODULES)	2200 SRM 0468	05/96
GM V6 ENG CONTROL-DESC/OPER (LATER MODULES)	2200 SRM 0781	01/00
GM V6 ENGINE CONTROL-REPAIR (LATER MODULES)	2200 SRM 0782	03/00
LIFT CYLINDERS	4000 SRM 0135	10/03
MASTS	4000 SRM 0329	10/03
METRIC AND INCH (SAE) FASTENERS	8000 SRM 0231	03/03

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Hydraulic Oil, Lubricant, and Coolant Specifications

Hyster Part No.	Description	Size
336830	Hydraulic and Tractor Transmission Oil (J20A Specifications)	1 qt
336831	Hydraulic and Tractor Transmission Oil (J20A Specifications)	2 gal
336832	Hydraulic and Tractor Transmission Oil (J20A Specifications)	5 gal
336833	Hydraulic and Tractor Transmission Oil (J20A Specifications)	55 gal
3002338	Antifreeze (Ethylene Glycol)	1 gal
326457	Multipurpose Grease	5 lb
328388	Spray-Lubricant, Silicone	8 and 16 oz

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Legend for Figure 16

1. HYDRAULIC TANK
2. STEERING HYDRAULIC PUMP
3. HYDRAULIC PUMP
4. MAIN CONTROL VALVE
5. MANIFOLD BLOCK
6. STEERING CONTROL UNIT
7. STEERING CYLINDER
8. BRAKE VALVE
9. OIL CLUTCH HOUSING
10. TILT CYLINDER
11. LIFT CYLINDER
12. LIFT SYSTEM CHECK PORT
13. CHECK PORT

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PROBLEM	POSSIBLE CAUSE	PROCEDURE OR ACTION
The pump makes noise.	There is a restriction in the inlet of the pump.	Remove object restricting flow or replace damaged component.
	There are air leaks at the inlet of the seals of the pump.	Tighten clamp, replace hose or pump.
	The drive speed of the pump is not correct.	Replace incorrect pulleys.
	The drive gear, pulley, or the coupler is not aligned with the motor or engine.	Replace motor mounts, replace mounting brackets.

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