

CONTENTS

Identification plate, combine serial no.	
engine serial no.,	4
Cutterbar serial no., maize picker head serial no., straw chopper serial no., cab serial no., cutterbar trailer serial no.	6
Safety rules	8

1. General information

Specifications DOMINATOR 108 SL / 108 S	1.1
Specifications DOMINATOR 98 SL / 98 S	1.8
Specifications DOMINATOR 88 SL / 88 S	1.14
Specifications DOMINATOR 78 SL / 78 S	1.20
Sectional view of combine	1.26
Description and function of the combine	1.27
Considerations before combining	1.28

2. Prior to operation

Prior to operation check list	2.1
Operator's platform (Hydrostatic ground drive)	2.2
Operator's platform (Mechanical ground drive)	2.3
Cab	2.4
Cab with ventilating system	2.5
Cab with ventilating system and heating	2.5
Cab with ventilating system and air conditioner	2.5
Steering column	2.7
Vehicle information unit	2.8
Operations display screen	2.9
Switch console and multi-function lever	2.10
Central terminal compartment	2.11
Hydraulic control units	2.11
Machines with hydrostatic ground drive	2.11
Machines with mechanical ground drive	2.12
Engagement levers for belt-operated clutches	2.13
Adjusting the steering column position	2.13
Adjusting the operator's seat	2.14
Access ladder	2.14
Driving the combine	2.15
Starting the engine	2.15
Gear ranges of hydrostatic ground drive machines	2.16
Stopping the combine, hydrostatic ground drive machines	2.16
Gear selection and clutch, mechanical ground drive machines	2.17
Transmission of power	2.18
Cold weather starting aid (Perkins T 6.3544 / 6.3544 PR / V 8.540)	2.18
Steering	2.19
Brakes	2.19
Stopping the engine	2.20
Wheel chock	2.21
Rear axle adjustment	2.21
Attaching the cutterbar cylinders	2.21
Towing	2.22
Safety lock	2.22

3. Basic setting and threshing

Cutterbar	3.1
Dividers	3.1
Outer deflector	3.1
Inner deflector	3.1
Grain lifters	3.1
Knife	3.2
Cutterbar skids	3.4

Reel	3.4
Mechanical fore and aft reel adjustment	3.5
Hydraulic fore and aft reel adjustment	3.5
Variable reel speed	3.5
Main table auger	3.6
Feeder housing	3.7
Cutterbar reverse drive	3.8
Attaching the cutterbar	3.8
Levelling the cutterbar	3.10
Installing the stands	3.10
Setting the floatation springs	3.12
CLAAS Contor System	3.13
Putting the automatic ground pressure control into operation	3.15
CLAAS pre-set cutting height control	3.15
Cutterbar height adjusting range	3.16
Cutterbar clutch	3.17
Attaching the r. h. cutterbar cylinder	3.17
Threshing parts	3.17
Stone trap	3.17
Engaging the threshing mechanism	3.18
Concave adjustment	3.18
Drum	3.21
Dirty threshing parts	3.21
Drum speed	3.21
Adjusting tension of threshing drum drive belt	3.22
Slow speed threshing drum drive kit	3.23
Unslugging the threshing drum	3.24
Two-stage disawning device	3.25
Impeller	3.25
Deflector curtain	3.25
Straw walkers and cleaning	3.26
Straw walkers	3.26
Intensive separation system	3.26
Access doors	3.27
Audible warning signal	3.27
Sieve pan	3.28
Preparing floor	3.29
Cleaning fan, machines with electrical fan speed adjustment	3.29
Cleaning fan, machines with mechanical fan speed adjustment	3.30
Adjusting the frogmouth sieves	3.32
Hillside riser plates	3.32
Lower sieve	3.32
Removal of sieves	3.33
Installation of sieves	3.33
3-D cleaning system (powered sideways thrust on top sieve)	3.33
Returns	3.34
Combine performance monitor	3.35
Adjusting monitor to type of crop	3.36
Grain delivery	3.37
Augers and auger troughs	3.37
Elevators	3.37
Adjusting tension of elevator chains	3.38
Grain Tank	3.38
Grain tank unloading tube	3.39
Drive to grain tank unloading augers	3.42
Grain tank lid	3.42
Grain tank fill indicator	3.43
Sieve chart	3.45
Suggested combine adjustments	3.46
Special notes on threshing various crops	3.52
Special threshing equipment and auxiliary equipment	3.53

Concave	3.53
Special clover rasp bars	3.53
Corn-cob mix equipment	3.53
Fan shutters for combining grass seed and other special crops	3.54
Protective guards for fan, augers and elevators	3.54
Rice threshing equipment	3.54
Straw walker fishbacks	3.55
Slow speed threshing drum drive kit	3.55
Special crop divider	3.55
Pick-up attachment	3.56
Sunflower cutterbar	3.56
Maize picker head	3.56
CLAAS Autopilot	3.56
Soy bean cutterbar	3.57
Transport trailers	3.57
CLAAS straw chopper	3.58
CLAAS straw spreader	3.58
Combine performance monitor	3.58
Fore and aft reel adjustment	3.58
Cutterbar reverse drive	3.59
Cab	3.59
CLAAS Fieldwork Computer	3.59
Work lamps	3.60
Light for inspecting the returns	3.60

4. Maintenance

Important maintenance instructions	4.1
Maintenance schedule	4.2
Lubricants chart	4.5
Hydraulic system	4.7
Lift hydraulic system	4.7
Hydraulic oil change	4.7
Hydraulic control unit	4.8
Control valves for low pressure hydraulic system	4.8
Bleeding the hydraulic steering system	4.8
Bleeding the reel cylinders	4.9
LINDE hydrostatic ground drive system	4.9
SAUER hydrostatic ground drive system	4.11
Ground drive clutch (mechanical ground drive) ..	4.12
Adjustment of ground drive clutch	4.12
Gear shift control adjustment	4.14
Transmissions	4.14
Change-speed transmission	4.14
Final drives	4.15
Grain tank	4.15
Changing variable speed belts	4.16
Drum and ground drive variable speed belts ..	4.16
Removal and installation of drum variable speed belt	4.17
Installing new drum variable speed belt	4.18
Changing the threshing drum drive belt	4.18
Adjusting tension of threshing drum drive belt	4.19
Cleaning fan variable speed belt	4.19
Threshing mechanism drive adjustment	4.20
Drum drive adjustment	4.22
Cutterbar drive adjustment	4.23
Adjusting V-belt clutch of unloading auger drive	4.25
Hydrostatic ground drive adjustment	4.27
Mechanical ground drive adjustment	4.28
Brake fluid	4.29
Speed of straw walker crankshaft	4.29
Functions monitor	4.29

Fire extinguisher	4.29
Cab	4.30
Cleaning the filters	4.30
Compressor-type air conditioner system preventive maintenance during prolonged shut-down	4.30
Putting the compressor-type air conditioner system into operation	4.31
Problems and remedy, combine	4.32
Cutterbar	4.32
Threshing equipment	4.33
Straw walkers	4.34
Cleaning	4.34
Returns	4.35
Elevators	4.35
Grain tank	4.36
Grain losses	4.36
Winter storage instructions for combines	4.38

5. Engines

Description of engines	5.1
Fuel feed system	5.4
Fuel tank	5.4
Fuel sediment bowl	5.5
Cold weather starting aid	5.5
Fuel filter	5.5
Bleeding the fuel system	5.6
Engine oil change	5.7
Oil filter	5.8
Oil filler neck	5.10
Cooling system	5.10
Fan and alternator belts	5.10
Cooling water	5.11
Protection against corrosion	5.15
Warning notice	5.15
Cooling water temperature	5.16
Warning signal	5.16
Rotary radiator chaff screen	5.16
Overpressure	5.17
Dry-type air cleaner	5.17
Warning light and buzzer	5.17
Cleaning the air cleaner intake screen	5.17
Battery	5.19
Alternator	5.20
Engine problems and remedy	5.21
Engine winter storage	5.23

6. Wiring diagrams

Electrical system CLAAS DOMINATOR 108 SL - 78 S	6.1
--	-----

7. Auxiliary equipment

8. Special notes

Lubrication Chart supplied extra