Groundsmaster® 4000 Series Rotary Mower

Model No. 30605—Serial No. 400000000 and Up
Model No. 30605—Serial No. 401200001 and Up
Model No. 30605—Serial No. 401420001 and Up
Model No. 30605—Serial No. 403330001 and Up
Model No. 30605—Serial No. 403450001 and Up
Model No. 30605—Serial No. 405226001 and Up
Model No. 30605—Serial No. 408900000 and Up
Model No. 30605—Serial No. 409400000 and Up
Model No. 30605—Serial No. 411600000 and Up
Model No. 30605—Serial No. 412700000 and Up
Model No. 30605—Serial No. 417000000 and Up
Model No. 30605TE—Serial No. 408900000 and Up
Model No. 30605TE—Serial No. 400000000 and Up
Model No. 30605TE—Serial No. 405226001 and Up
Model No. 30605TE—Serial No. 405700000 and Up
Model No. 30609—Serial No. 401420001 and Up
Model No. 30609—Serial No. 403450001 and Up
Model No. 30609—Serial No. 405700000 and Up
Model No. 30609—Serial No. 405226001 and Up
Model No. 30609—Serial No. 403378722 and Up
Model No. 30609—Serial No. 402630001 and Up
Model No. 30609—Serial No. 401170001 and Up
Model No. 30609—Serial No. 400000000 and Up
Model No. 30609—Serial No. 408000000 and Up
Model No. 30609—Serial No. 414918090 and Up
Model No. 30609—Serial No. 412600000 and Up
Model No. 30609—Serial No. 411700000 and Up
Model No. 30609—Serial No. 417000000 and Up
Model No. 30609—Serial No. 415159758 and Up
Model No. 30635—Serial No. 415300000 and Up
Model No. 30635—Serial No. 416600000 and Up
Model No. 30635—Serial No. 410400000 and Up
Model No. 30635—Serial No. 409400000 and Up
Model No. 30635—Serial No. 408900000 and Up
Model No. 30635—Serial No. 400000000 and Up
Model No. 30635—Serial No. 401200001 and Up
Model No. 30635—Serial No. 401420001 and Up
Model No. 30635—Serial No. 403330001 and Up
Model No. 30635—Serial No. 405226001 and Up
Model No. 30635—Serial No. 403450001 and Up
Model No. 30635—Serial No. 405700000 and Up
Model No. 30635TE—Serial No. 405700000 and Up
Model No. 30635TE—Serial No. 400000000 and Up
Model No. 30635TE—Serial No. 408900000 and Up
Model No. 30636—Serial No. 408000000 and Up
Model No. 30636—Serial No. 409351364 and Up
Model No. 30636—Serial No. 409500000 and Up
Model No. 30636—Serial No. 411700000 and Up
Model No. 30636—Serial No. 412600000 and Up
Model No. 30636—Serial No. 414952783 and Up
Model No. 30636—Serial No. 417200000 and Up
Model No. 30636—Serial No. 415200000 and Up
Model No. 30636—Serial No. 405226001 and Up
Model No. 30636—Serial No. 405700000 and Up
Model No. 30636—Serial No. 403450001 and Up
Model No. 30636—Serial No. 403378764 and Up
Model No. 30636—Serial No. 402630001 and Up
Model No. 30636—Serial No. 401170001 and Up
Model No. 30636—Serial No. 401420001 and Up
Model No. 30636—Serial No. 400000000 and Up

Hydraulic Schematic

30605, 30605TE, 30609, 30635, 30635TE, 30636
144-7170 Rev B
1 of 1

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STEERING CYLINDER
BORE: 2.00"
STROKE: 4.20"
ROD: 0.63"
EXTEND TO TURN RIGHT

R L
6.1 CID
2067 psi
P STEERING UNIT LS T

FAN MOTOR
0.51 CID
M1 M2

LEFT DECK CYLINDER
BORE: 2.50"
STROKE: 6.50"
ROD: 1.13"
EXTEND TO LIFT

CENTER DECK RAM CYLINDERS
BORE: 2.00"
STROKE: 3.08"
ROD: 1.50"
EXTEND TO LIFT

RIGHT DECK CYLINDER
BORE: 2.50"
STROKE: 6.50"
ROD: 1.13"
EXTEND TO LIFT

C3 C4 C2 C5 C6
.070" OR3 .070" OR5 .070" OR7
S4 S9 S2 S3 S5 S6 S7 S8
G1

CENTER MOTOR 1.16 CID
CD G M1 P1 M2 P2 CD
.025" PD 10 PSI PRV 3000 PSI LC 110 PSI RV 600 PSI
CENTER DECK MANIFOLD

LEFT MOTOR 1.16 CID
.063"
LEFT DECK MANIFOLD

RIGHT MOTOR 1.16 CID
PRV 2000 PSI
RIGHT DECK MANIFOLD

COOLER
50 PSI
RETURN FILTER

S10 CH4 PRV 3000 PSI CV1 4 PSI
PR 13 PSI
CV2 4 PSI S11
G2 LS CF
OR1 .028" EC 80 PSI RV1 1350 PSI
S1
OR2 .063" OR4 .040" RV2 1600 PSI OR6 .063"
RV3 3300 PSI
G4 CV3 60 PSI
CV4 4 PSI OR9 .030" S12
P4 CH2 CH1 P3 G3 CH3 T 2SP
COMBINATION MANIFOLD

3.3 GPM
4.4 GPM
14.3 GPM
14.3 GPM
30.5 GPM
16.8 GPM
13.7 GPM

CV 2 PSI CH1
CV1 HFD 55/45 SPLIT OR .063" CV2
P1 M1 CH2 M3
FLOW DIVIDER MANIFOLD
CV 2 PSI

M14
REVERSE C2 FORWARD C1
.031" FLOW OUT PORT A .031"
AM3 E
A FORWARD MA
4350 PSI TOW VALVE
M4
0.30 CID 0.40 CID 1.29 CID 1.29 CID
GEAR PUMP
2.75 CID
260 PSI 5000 PSI TOW VALVE
MB B REVERSE
L2 M5 L1
TRACTION PUMP
ENGINE RATED SPEED
TIER 4 - 2700 RPM
EU - 2600 RPM

11.96:1
A M1 1.2 CID MAX / 0.64 CID MIN X1 L2 M2 B L1
RIGHT FRONT MOTOR
B M2 1.2 CID MAX / 0.64 CID MIN X1 L2 M1 A L1
LEFT FRONT MOTOR

CH
CV 5 PSI RV 340 PSI
P2 PR 450 PSI
OR1 .050" T M8
REAR TRACTION VALVE
A X1 M1 2.14 CID MAX / 1.16 CID MIN
150 PSI
12.60:1
TEMPERATURE SENSOR
L2 REAR MOTOR B L1 M2 N

BREATHER
RESERVOIR

1. FLOWS SHOWN ARE CALCULATED AT HIGH IDLE AND 95% PUMP EFFICIENCY UNLESS OTHERWISE NOTED
2. GEAR RATIOS ARE SHOWN AS INPUT:OUTPUT

Form No. 3469-620 Rev A