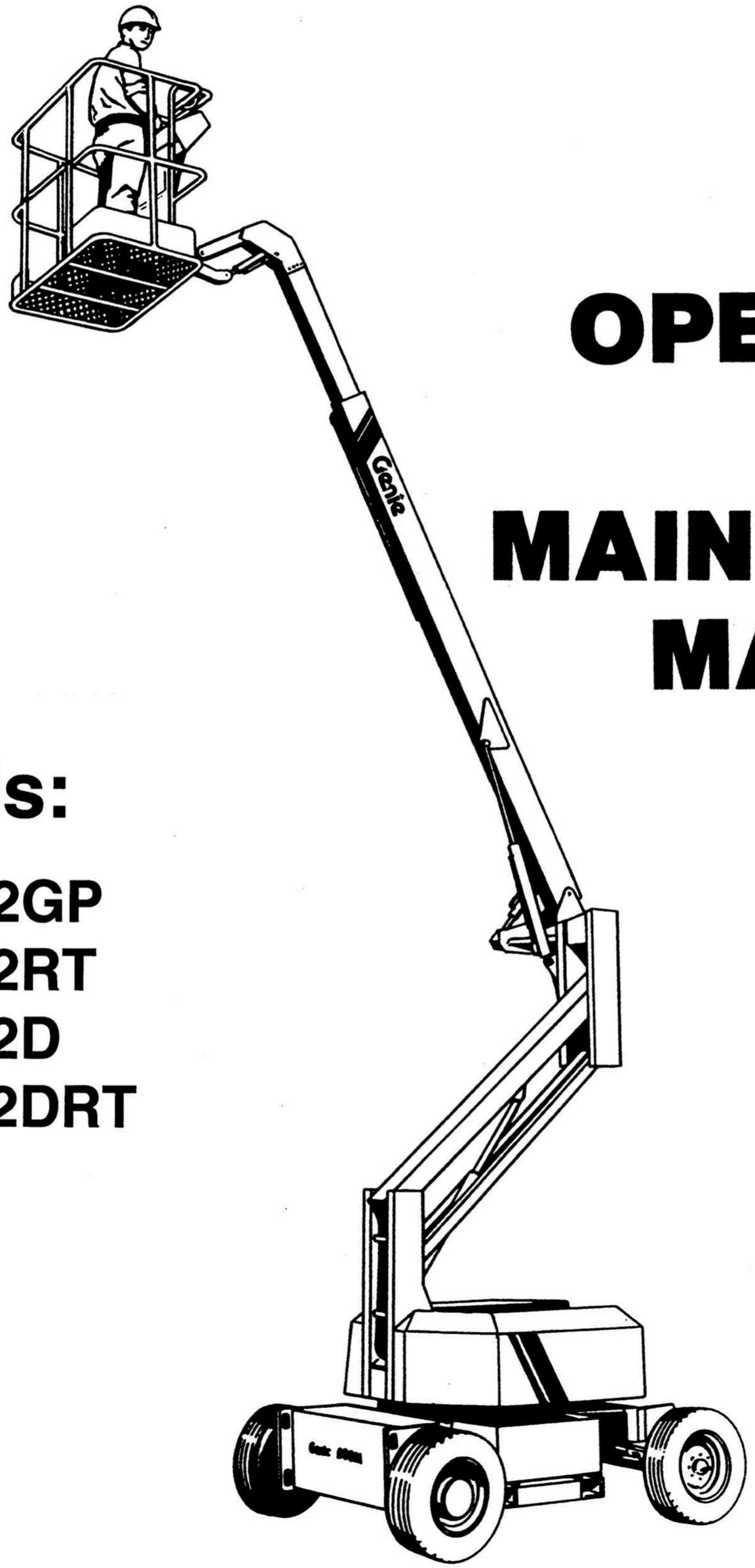
Genie® BOOM
Z-45/22



OPERATING AND MAINTENANCE MANUAL

Models:

- Z-45/22GP
- Z-45/22RT
- Z-45/22D
- Z-45/22DRT

Part No. 22417

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8. Genie BOOM Z-45/22D and Z-45/22DRT Electrical Schematic Legend

LABEL	PART ID	LOCATION
BP1	BOOM SPEED CONTROL	PLATFORM CONTROL STATION
CR2	FUNCTION BYPASS CONTROL RELAY, 12V	GROUND CONTROL STATION
CR3	ENGINE STARTER RELAY, 12V	GROUND CONTROL STATION
CR4	HORN RELAY, 12V	GROUND CONTROL STATION
CR5	ENGINE OIL PRESSURE SWITCH RELAY, 12V	GROUND CONTROL STATION
CR6	ENGINE SPEED RELAY, 12V	GROUND CONTROL STATION
CR7	TILT SENSOR RELAY, 12V	GROUND CONTROL STATION
CR8	SWING SPEED RELAY, 12V	GROUND CONTROL STATION
CR9	CONTROL ACTIVATE RELAY, 12V (PLATFORM)	GROUND CONTROL STATION
CR10	DIESEL ENGINE CUTOUT RELAY, 12V	GROUND CONTROL STATION
CR11	GLOW PLUGS RELAY, 12V	GROUND CONTROL STATION
DP1	DRIVE & STEERING CONTROL	PLATFORM CONTROL STATION
FS1	POWER ON/OFF FOOT SWITCH	PLATFORM CONTROL STATION
FU1	MASTER FUSE, 30 AMP	GROUND CONTROL STATION
FU2	CONTROL CIRCUIT FUSE, 15 AMP	GROUND CONTROL STATION
FU3	AUXILIARY BOOM CIRCUIT FUSE, 15 AMP	GROUND CONTROL STATION
FU4	ENGINE SPEED FUSE, 15 AMP	GROUND CONTROL STATION
FU5	FUEL PULL SOLENOID FUSE, 15 AMP	GROUND CONTROL STATION
FU6	ENGINE GLOW PLUGS FUSE, 30 AMP	GROUND CONTROL STATION
GS1	CHASSIS GROUNDSTUD	PLATFORM CONTROL STATION
H1	SERVICE HORN	PLATFORM CONTROL STATION
H2	TILT LEVEL INDICATOR HORN	PLATFORM CONTROL STATION
H3	TRAVEL ALARM HORN (OPTIONAL)	CHASSIS
H4	DESCENT HORN (OPTIONAL)	CHASSIS
HM	RUNNING HOURS, HOUR METER	GROUND CONTROL STATION
KS1	CHOOSE CONTROL LOCATION, KEY SWITCH	GROUND CONTROL STATION
L1	WATER TEMP. LIGHT GROUND	GROUND CONTROL STATION
L2	WATER TEMP. LIGHT PLATFORM	PLATFORM CONTROL STATION
LD1	DRIVE FUNCTIONS LED	GROUND CONTROL STATION
LD2	BOOM FUNCTIONS LED	GROUND CONTROL STATION
LL1	DRIVE PUMP HORSEPOWER LIMIT	PLATFORM CONTROL STATION
LS1	BOOM ELEVATE VS. SPEED LIMIT SWITCH	BOOM
LS2	SWING LEFT STOP LIMIT SWITCH	GROUND CONTROL STATION
LS3	SWING RIGHT STOP LIMIT SWITCH	GROUND CONTROL STATION
M1	ENGINE STARTER MOTOR	INTERNAL COMBUSTION ENGINE
M2	HYDRAULIC OIL COOLING FAN MOTOR	CHASSIS
OPS1	LOW OIL PRESS. ENGINE CUTOUT SWITCH	INTERNAL COMBUSTION ENGINE
P1	POWER ON/OFF BUTTON	GROUND CONTROL STATION
P2	POWER ON/OFF BUTTON	PLATFORM CONTROL STATION
P3	TRACTION BUTTON	PLATFORM CONTROL STATION
P4	HORN BUTTON	PLATFORM CONTROL STATION
S1	TRACTION SOLENOID	CHASSIS
S2	BOOM PROPORTIONAL VALVE SOLENOID	CHASSIS
S3	DRIVE PUMP DISPLACEMENT SOLENOID (EDC)	CHASSIS
S4	DRIVE BRAKE RELEASE SOLENOID	CHASSIS
S5	STEER RIGHT SOLENOID	CHASSIS
S6	STEER LEFT SOLENOID	CHASSIS
S7	BOOM ELEVATE UP SOLENOID	CHASSIS
S8	BOOM ELEVATE DOWN SOLENOID	CHASSIS
S9	BOOM ELEVATE DOWN SOLENOID	CHASSIS
S10	BOOM SWING LEFT SOLENOID	CHASSIS
S11	BOOM SWING RIGHT SOLENOID	CHASSIS
S12	BOOM REACH EXTEND SOLENOID	CHASSIS
S13	BOOM REACH RETRACT SOLENOID	CHASSIS
S14	BOOM REACH UP SOLENOID	CHASSIS
S15	BOOM REACH DOWN SOLENOID	CHASSIS
S16	PLATFORM LEVEL UP SOLENOID	CHASSIS
S17	PLATFORM LEVEL DOWN SOLENOID	CHASSIS
S18	BOOM FUNCTION BYPASS SOLENOID	CHASSIS
S19	CHARGE PUMP BYPASS SOLENOID	CHASSIS
S23	ENGINE RPM SOLENOID	INTERNAL COMBUSTION ENGINE
S24	STARTER SOLENOID	INTERNAL COMBUSTION ENGINE
S26A	FUEL PULL SOLENOID	INTERNAL COMBUSTION ENGINE
S26B	FUEL HOLD SOLENOID	INTERNAL COMBUSTION ENGINE
TB1–TB16	INPUT TERMINALS	GROUND CONTROL STATION
TB21–TB36	OUTPUT TERMINALS	GROUND CONTROL STATION
TB37–TB39	OUTPUT TERMINALS	GROUND CONTROL STATION
TB41–TB54	INPUT TERMINALS	GROUND CONTROL STATION
TB61–TB74	INPUT TERMINALS	GROUND CONTROL STATION
TB75–TB77	OUTPUT TERMINALS	GROUND CONTROL STATION
TB81–TB94	OUTPUT TERMINALS	GROUND CONTROL STATION
TC1–TC8	RELAY COIL TERMINALS	GROUND CONTROL STATION
TCC1–TCC8	RELAY COMMAN CONTACTS TERMINALS	GROUND CONTROL STATION
TLS1	3 DEG. TILT LEVEL INDICATOR (NO) SWITCH	GROUND CONTROL STATION
TNC1–TNC8	RELAY N.C. CONTACTS TERMINALS	GROUND CONTROL STATION
TNO1–TNO8	RELAY N.O. CONTACTS TERMINALS	GROUND CONTROL STATION
TP1–TP32	INPUT/OUTPUT TERMINALS	PLATFORM CONTROL STATION
TS1	ENGINE START/PREHEAT TOGGLE SWITCH	PLATFORM CONTROL STATION
TS3	ENGINE SPEED TOGGLE SWITCH	PLATFORM CONTROL STATION
TS4	BOOM ELEVATE UP/DOWN TOGGLE SWITCH	PLATFORM CONTROL STATION
TS5	BOOM SWING LEFT/RIGHT TOGGLE SWITCH	PLATFORM CONTROL STATION
TS6	BOOM REACH EXTEND/RETRACT TOGGLE SWITCH	PLATFORM CONTROL STATION
TS7	BOOM REACH UP/DOWN TOGGLE SWITCH	PLATFORM CONTROL STATION
TS8	PLATFORM LEVEL UP/DOWN TOGGLE SWITCH	PLATFORM CONTROL STATION
TS9	BOOM ELEVATE UP/DOWN TOGGLE SWITCH	GROUND CONTROL STATION
TS10	BOOM SWING LEFT/RIGHT TOGGLE SWITCH	GROUND CONTROL STATION
TS11	BOOM REACH EXTEND/RETRACT TOGGLE SWITCH	GROUND CONTROL STATION
TS12	BOOM REACH UP/DOWN TOGGLE SWITCH	GROUND CONTROL STATION
TS13	PLATFORM LEVEL UP/DOWN TOGGLE SWITCH	GROUND CONTROL STATION
TS14	ENGINE SPEED TOGGLE SWITCH	GROUND CONTROL STATION
TS15	ENGINE START/PREHEAT TOGGLE SWITCH	GROUND CONTROL STATION
TS18	AUX. CONTROL, ELEV. DOWN/BOOM RETRACT TOGGLE	GROUND CONTROL STATION
TS19	AUX. CONTROL, SWING LEFT/RIGHT TOGGLE SWITCH	GROUND CONTROL STATION
WTS1	WATER TEMP. ENGINE CUTOUT SWITCH	INTERNAL COMBUSTION ENGINE

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