

HYDRAULIC/HYDROSTATIC SCHEMATIC

S175 (S/N 525211001 AND ABOVE)

(S/N 525311001 AND ABOVE)

S185 (S/N 525011001 AND ABOVE)

(S/N 525111001 AND ABOVE)

(PRINTED NOVEMBER 2003)

V-0444legend

LEGEND

- | | | | |
|--|---|---|--|
| ① RESERVOIR:
Capacity 19.2 Qts. (18,2 L) | ⑭ LOAD CHECK VALVE | ⑳ PILOT ACTIVATED DIRECTIONAL
CONTROL VALVE - REAR AUXILIARY | ④① SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BUCKET POSITION
VALVE (ON/OFF) |
| ② SPRING LOADED FILTER BY-PASS
VALVE: 45-55 PSI (3,1-3,8 Bar) | ⑮ LIFT CYLINDER SPOOL - MADE TO
RESTRICT FLOW DURING BOOM
DOWN BUT NOT DURING BOOM UP | ㉑ RESTRICTOR - 0.140 inch (3,6 mm) | ④② CHECK VALVE - BICS CONTROL VALVE |
| ③ DIFFERENTIAL PRESSURE SWITCH:
36-44 PSI (2,5-3,0 Bar)
Normally Closed | ⑯ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BICS CONTROL | ㉒ RESTRICTOR - 0.031 inch (0,8 mm) | ④③ RELIEF VALVE - PORT:
3500 PSI (241,3 Bar) |
| ④ DRIVE MOTOR SHUTTLE VALVE | ⑰ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - TILT CONTROL | ⑳① RELIEF VALVE: 3300 PSI (228 Bar) | ④④ RELIEF/ANTICAVITATION VALVE -
PORT (TILT BASE END)
3500 PSI (241,3 Bar) |
| ⑤ RELIEF/REPLENISHING VALVE - HIGH
PRESSURE: 5000 PSI (345 Bar) | ⑱ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - LIFT CONTROL | ㉒① FILTER - HYDRAULIC (CANISTER) | ④⑤ PILOT ACTIVATED DIRECTIONAL
CONTROL VALVE - HYDRAULIC
POWERED BOB-TACH |
| ⑥ RELIEF VALVE - CHARGE INLET:
185-195 PSI (12,7-13,5 Bar)
at 16.7 GPM (63. 2 L/min.)
at 3000 Engine RPM
With 120 degrees F. (49 degrees C.) Fluid | ㉓ PULL BUTTON ACTIVATED
DIRECTIONAL CONTROL VALVE - LIFT
ARM BY-PASS | ㉒② FILTER - CASE DRAIN (SINTERED
BRONZE) | ④⑥ RESTRICTION - 0.089 inch (2,26 mm) |
| ⑦ FRONT AUXILIARY MANUAL PRESSURE
BLEED-OFF VALVE | ㉔ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - UNLOADING
SPOOL | ㉒③ FILTER - BICS CONTROL VALVE
(SCREEN) | ④⑦ RESTRICTION - 0.025 inch (0,6 mm) |
| ⑧ HYDRAULIC PUMP Gear Type
16.9 GPM (64 L/min.) at 3000 Engine RPM
at 1150 PSI (79,3 Bar) | ㉕ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - FLOW CONTROL
SPOOL | ㉒④ CHECK VALVE - BUCKET POSITION
VALVE | ④⑧ RELIEF VALVE - 2000 PSI (137 Bar) |
| ⑨ RELIEF VALVE - MAIN:
3250 - 3350 PSI (224-231 Bar)
at Front Quick Couplers | ㉖ FLOW DIVIDER ADJUSTMENT VALVE | ㉒⑤ RESTRICTION | ④⑨ RELIEF VALVE - 1200 PSI (83 Bar) |
| ⑩ RELIEF VALVE - PORT: (Optional)
3500 PSI (241,3 Bar) | ㉗ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BASE | ㉒⑥ VARIABLE CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC PUMP | ④⑩ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE (TWO COIL) |
| ⑪ ANTICAVITATION VALVE | ㉘ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - ROD | ㉒⑦ SHUTTLE RELIEF VALVE
(Not Adjustable - Factory Set)
65 PSI (4,5 Bar) | ④⑪ CHECK VALVE - With 300 PSI (20,7 Bar)
Spring And With 0.016 inch (0,40 mm) Orifice |
| ⑫ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - AUXILIARY | ㉙ LOAD SHUTTLE VALVE - BLEED OFF | ㉒⑧ FIXED CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC
MOTOR | |
| ⑬ RELIEF VALVE - PORT: (Optional)
3500 PSI (241,3 Bar) | ㉚ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - TWO COIL | ㉒⑨ CHECK VALVE - With 80 PSI (5,5 Bar)
Spring | |

NOTE: Unless otherwise specified
springs have NO significant
pressure value.

HYDRAULIC/HYDROSTATIC SCHEMATIC

S175 (S/N 525211001 - 525214999)

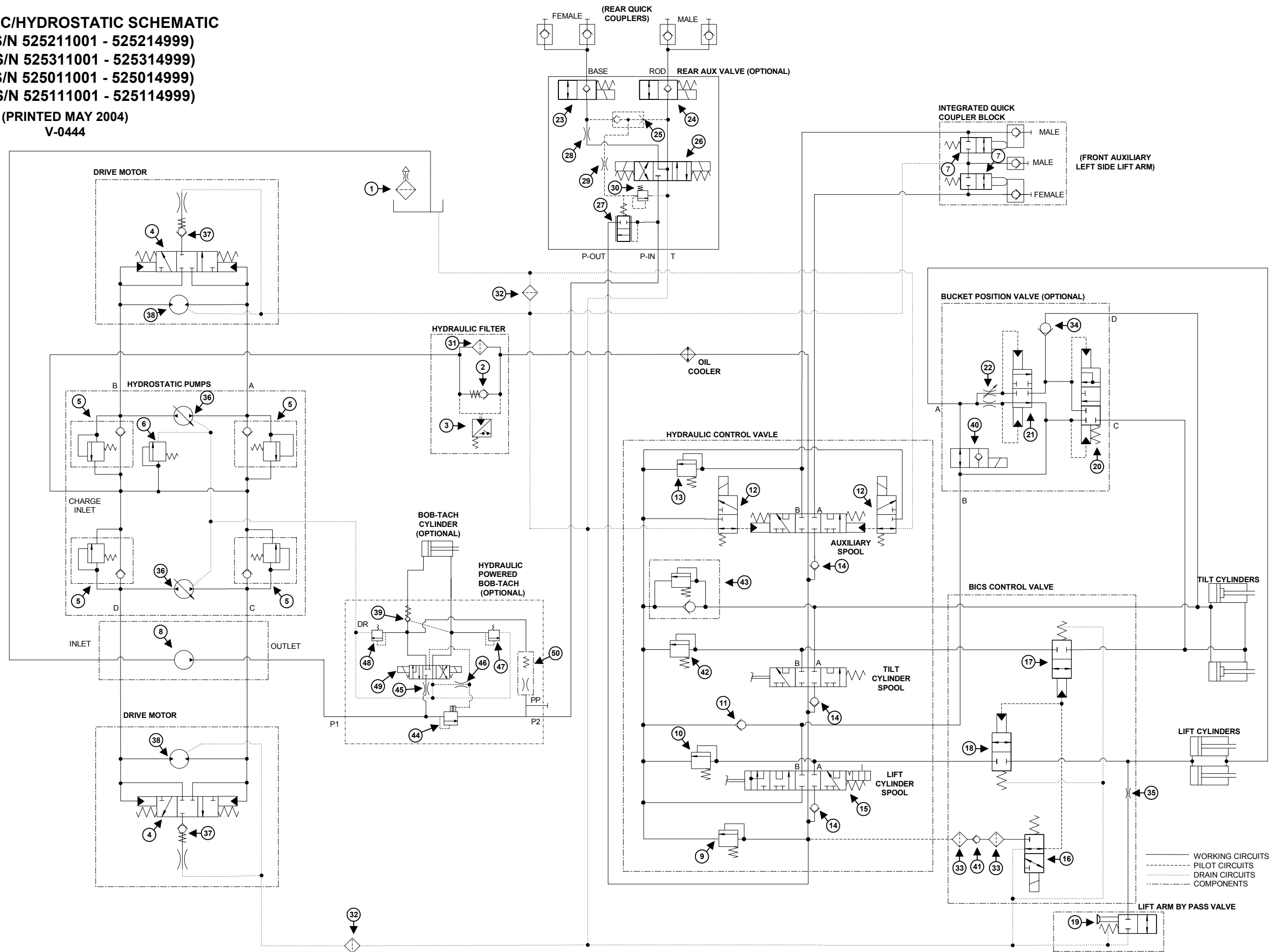
(S/N 525311001 - 525314999)

S185 (S/N 525011001 - 525014999)

(S/N 525111001 - 525114999)

(PRINTED MAY 2004)

V-0444



**HYDRAULIC/HYDROSTATIC SCHEMATIC
WITH HIGH FLOW OPTION
S175 (S/N 525211001 AND ABOVE)
(S/N 525311001 AND ABOVE)
S185 (S/N 525011001 AND ABOVE)
(S/N 525111001 AND ABOVE)
(PRINTED APRIL 2004)**

V-0445legend

LEGEND

- | | | | |
|---|---|---|---|
| <p>① RESERVOIR:
Capacity 19.2 Qts. (18,2 L)</p> <p>② SPRING LOADED FILTER BY-PASS
VALVE: 45-55 PSI (3,1-3,8 Bar)</p> <p>③ DIFFERENTIAL PRESSURE SWITCH:
36-44 PSI (2,5-3,0 Bar)
Normally Closed</p> <p>④ DRIVE MOTOR SHUTTLE VALVE</p> <p>⑤ RELIEF/REPLENISHING VALVE - HIGH
PRESSURE: 5000 PSI (345 Bar)</p> <p>⑥ RELIEF VALVE - CHARGE INLET:
240-260 PSI (17-18 Bar)
at High Engine Idle
With 140 degrees F. (60 degrees C.) Fluid</p> <p>⑦ FRONT AUXILIARY MANUAL PRESSURE
BLEED-OFF VALVE</p> <p>⑧ HYDRAULIC PUMP Gear Type
16.9 GPM (64 L/min.) at High Engine Idle</p> <p>⑨ RELIEF VALVE - MAIN:
3250-3350 PSI (224-231 Bar)
at Front Quick Couplers</p> <p>⑩ RELIEF VALVE - PORT: (Optional)
3500 PSI (241,3 Bar)</p> <p>⑪ ANTICAVITATION VALVE</p> <p>⑫ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - AUXILIARY</p> <p>⑬ RELIEF VALVE - PORT: (Optional)
3500 PSI (241,3 Bar)</p> | <p>⑭ LOAD CHECK VALVE</p> <p>⑮ LIFT CYLINDER SPOOL - MADE TO
RESTRICT FLOW DURING BOOM
DOWN BUT NOT DURING BOOM UP</p> <p>⑯ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BICS CONTROL</p> <p>⑰ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - TILT CONTROL</p> <p>⑱ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - LIFT CONTROL</p> <p>⑲ PULL BUTTON ACTIVATED
DIRECTIONAL CONTROL VALVE - LIFT
ARM BY-PASS</p> <p>⑳ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - UNLOADING
SPOOL</p> <p>㉑ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - FLOW CONTROL
SPOOL</p> <p>㉒ FLOW DIVIDER ADJUSTMENT VALVE</p> <p>㉓ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BASE</p> <p>㉔ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - ROD</p> <p>㉕ LOAD SHUTTLE VALVE - BLEED OFF</p> <p>㉖ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - TWO COIL</p> | <p>㉗ PILOT ACTIVATED DIRECTIONAL
CONTROL VALVE - REAR AUXILIARY</p> <p>㉘ RESTRICTOR - 0.140 inch (3,6 mm)</p> <p>㉙ RESTRICTOR - 0.031 inch (0,8 mm)</p> <p>㉚ RELIEF VALVE: 3300 PSI (228 Bar)</p> <p>㉛ FILTER - HYDRAULIC (CANISTER)</p> <p>㉜ FILTER - CASE DRAIN (SINTERED
BRONZE)</p> <p>㉝ FILTER - BICS CONTROL VALVE
(SCREEN)</p> <p>㉞ CHECK VALVE - BUCKET POSITION
VALVE</p> <p>㉟ RESTRICTION</p> <p>㊱ VARIABLE CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC PUMP</p> <p>㊲ SHUTTLE RELIEF VALVE
(Not Adjustable - Factory Set)
65 PSI (4,5 Bar)</p> <p>㊳ FIXED CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC
MOTOR</p> <p>㊴ CHECK VALVE - With 80 PSI (5,5 Bar) Spring</p> | <p>㊵ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BUCKET POSITION
VALVE (ON/OFF)</p> <p>㊶ CHECK VALVE - BICS CONTROL VALVE</p> <p>㊷ RELIEF VALVE - PORT:
3500 PSI (241,3 Bar)</p> <p>㊸ RELIEF/ANTICAVITATION VALVE -
PORT (TILT BASE END)
3500 PSI (241,3 Bar)</p> <p>㊹ PILOT ACTIVATED DIRECTIONAL
CONTROL VALVE - HYDRAULIC
POWERED BOB-TACH</p> <p>㊺ RESTRICTION - 0.089 inch (2,26 mm)</p> <p>㊻ RESTRICTION - 0.025 inch (0,6 mm)</p> <p>㊼ RELIEF VALVE - 2000 PSI (137 Bar)</p> <p>㊽ RELIEF VALVE - 1200 PSI (83 Bar)</p> <p>㊾ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE (TWO COIL)</p> <p>㊿ RELIEF VALVE - 3300 PSI (228 Bar)</p> <p>51 DUMP VALVE - (ON/OFF)</p> <p>52 CHECK VALVE</p> <p>53 AUXILIARY HYDRAULIC PUMP -
9.5 GPM (36 L/min) at High Engine Idle</p> <p>54 CHECK VALVE - With 300 PSI (20,7 Bar)
Spring And With 0.016 inch (0,40 mm) Orifice</p> |
|---|---|---|---|

NOTE: Unless otherwise specified
springs have NO significant
pressure value.

HYDRAULIC/HYDROSTATIC SCHEMATIC

WITH HIGH FLOW OPTION

S175 (S/N 525211001 - 525214999)

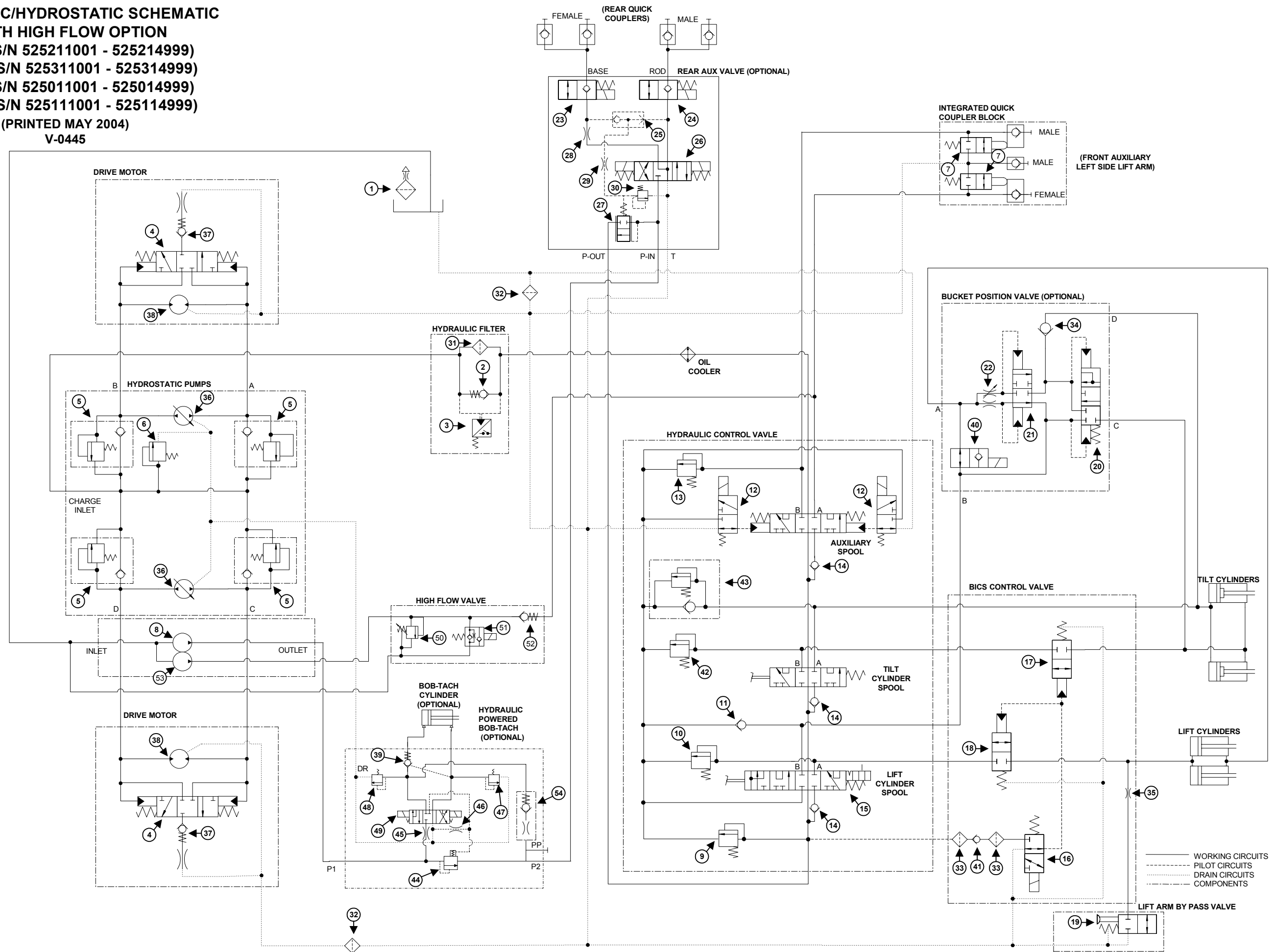
(S/N 525311001 - 525314999)

S185 (S/N 525011001 - 525014999)

(S/N 525111001 - 525114999)

(PRINTED MAY 2004)

V-0445



HYDRAULIC/HYDROSTATIC SCHEMATIC
S175 (S/N 525215000 AND ABOVE)
(S/N 525315000 AND ABOVE)
S185 (S/N 525015000 AND ABOVE)
(S/N 525115000 AND ABOVE)

(PRINTED MAY 2004)

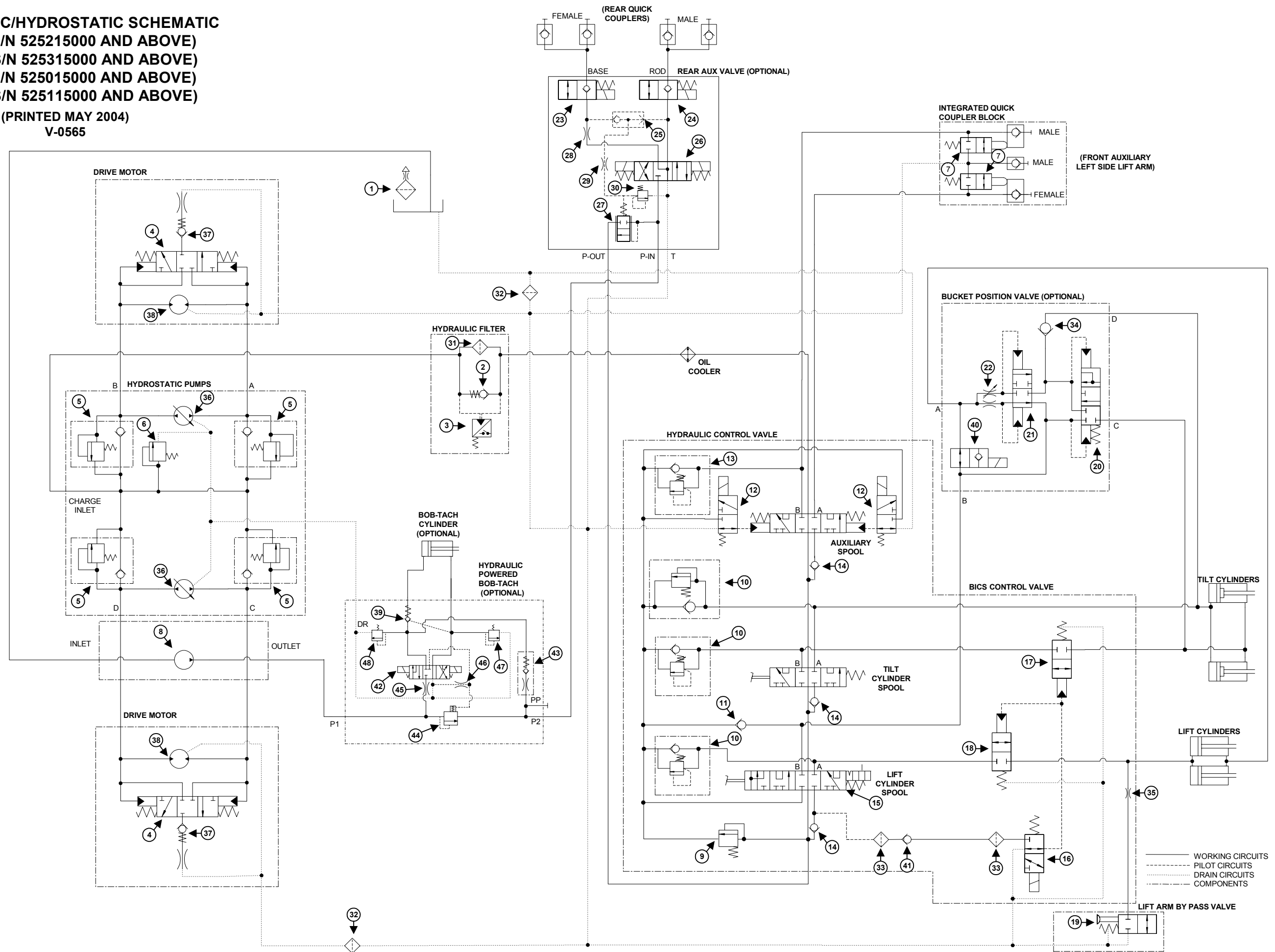
V-0565legend

LEGEND

- | | | | |
|--|---|---|---|
| <p>① RESERVOIR:
Capacity 19.2 Qts. (18,2 L)</p> <p>② SPRING LOADED FILTER BY-PASS VALVE: 45-55 PSI (3,1-3,8 Bar)</p> <p>③ DIFFERENTIAL PRESSURE SWITCH:
36-44 PSI (2,5-3,0 Bar)
Normally Closed</p> <p>④ DRIVE MOTOR SHUTTLE VALVE</p> <p>⑤ RELIEF/REPLENISHING VALVE - HIGH PRESSURE: 5000 PSI (345 Bar)</p> <p>⑥ RELIEF VALVE - CHARGE INLET:
240-260 PSI (17-18 Bar)
at High Engine Idle
With 140 degrees F. (60 degrees C.) Fluid</p> <p>⑦ FRONT AUXILIARY MANUAL PRESSURE BLEED-OFF VALVE</p> <p>⑧ HYDRAULIC PUMP Gear Type
16.9 GPM (64 L/min.) at High Engine Idle</p> <p>⑨ RELIEF VALVE - MAIN:
3250 - 3350 PSI (224-231 Bar)
at Front Quick Couplers</p> <p>⑩ RELIEF/ANTICAVITATION VALVE - PORT 3500 PSI (241,3 Bar)</p> <p>⑪ ANTICAVITATION VALVE</p> <p>⑫ SOLENOID ACTIVATED DIRECTIONAL CONTROL VALVE - AUXILIARY</p> <p>⑬ RELIEF/ANTICAVITATION VALVE - PORT (OPTIONAL) 3500 PSI (241,3 Bar)</p> | <p>⑭ LOAD CHECK VALVE</p> <p>⑮ LIFT CYLINDER SPOOL - MADE TO RESTRICT FLOW DURING BOOM DOWN BUT NOT DURING BOOM UP</p> <p>⑯ SOLENOID ACTIVATED DIRECTIONAL CONTROL VALVE - BICS CONTROL</p> <p>⑰ PILOTED ACTIVATED DIRECTIONAL CONTROL VALVE - TILT CONTROL</p> <p>⑱ PILOTED ACTIVATED DIRECTIONAL CONTROL VALVE - LIFT CONTROL</p> <p>⑲ PULL BUTTON ACTIVATED DIRECTIONAL CONTROL VALVE - LIFT ARM BY-PASS</p> <p>⑳ PILOTED ACTIVATED DIRECTIONAL CONTROL VALVE - UNLOADING SPOOL</p> <p>㉑ PILOTED ACTIVATED DIRECTIONAL CONTROL VALVE - FLOW CONTROL SPOOL</p> <p>㉒ FLOW DIVIDER ADJUSTMENT VALVE</p> <p>㉓ SOLENOID ACTIVATED DIRECTIONAL CONTROL VALVE - BASE</p> <p>㉔ SOLENOID ACTIVATED DIRECTIONAL CONTROL VALVE - ROD</p> <p>㉕ LOAD SHUTTLE VALVE - BLEED OFF</p> <p>㉖ SOLENOID ACTIVATED DIRECTIONAL CONTROL VALVE - TWO COIL</p> | <p>㉗ PILOT ACTIVATED DIRECTIONAL CONTROL VALVE - REAR AUXILIARY</p> <p>㉘ RESTRICTOR - 0.140 inch (3,6 mm)</p> <p>㉙ RESTRICTOR - 0.031 inch (0,8 mm)</p> <p>㉚ RELIEF VALVE: 3300 PSI (228 Bar)</p> <p>㉛ FILTER - HYDRAULIC (CANISTER)</p> <p>㉜ FILTER - CASE DRAIN (SINTERED BRONZE)</p> <p>㉝ FILTER - BICS CONTROL VALVE (SCREEN)</p> <p>㉞ CHECK VALVE - BUCKET POSITION VALVE</p> <p>㉟ RESTRICTION</p> <p>㊱ VARIABLE CAPACITY DISPLACEMENT BIDIRECTIONAL HYDROSTATIC PUMP</p> <p>㊲ SHUTTLE RELIEF VALVE
(Not Adjustable - Factory Set)
65 PSI (4,5 Bar)</p> <p>㊳ FIXED CAPACITY DISPLACEMENT BIDIRECTIONAL HYDROSTATIC MOTOR</p> <p>㊴ CHECK VALVE - With 80 PSI (5,5 Bar) Spring</p> | <p>㊵ SOLENOID ACTIVATED DIRECTIONAL CONTROL VALVE - BUCKET POSITION VALVE (ON/OFF)</p> <p>㊶ CHECK VALVE - BICS CONTROL VALVE</p> <p>㊷ SOLENOID ACTIVATED DIRECTIONAL CONTROL VALVE (TWO COIL)</p> <p>㊸ CHECK VALVE - With 300 PSI (20,7 Bar) Spring And With 0.016 inch (0,40 mm) Orifice</p> <p>㊹ PILOT ACTIVATED DIRECTIONAL CONTROL VALVE - HYDRAULIC POWERED BOB-TACH</p> <p>㊺ RESTRICTION - 0.089 inch (2,26 mm)</p> <p>㊻ RESTRICTION - 0.025 inch (0,6 mm)</p> <p>㊼ RELIEF VALVE - 2000 PSI (137 Bar)</p> <p>㊽ RELIEF VALVE - 1200 PSI (83 Bar)</p> |
|--|---|---|---|

NOTE: Unless otherwise specified springs have NO significant pressure value.

HYDRAULIC/HYDROSTATIC SCHEMATIC
S175 (S/N 525215000 AND ABOVE)
(S/N 525315000 AND ABOVE)
S185 (S/N 525015000 AND ABOVE)
(S/N 525115000 AND ABOVE)
 (PRINTED MAY 2004)
 V-0565



**HYDRAULIC/HYDROSTATIC SCHEMATIC
WITH HIGH FLOW OPTION
S175 (S/N 525215000 AND ABOVE)
(S/N 525315000 AND ABOVE)
S185 (S/N 525015000 AND ABOVE)
(S/N 525115000 AND ABOVE)
(PRINTED MAY 2004)**

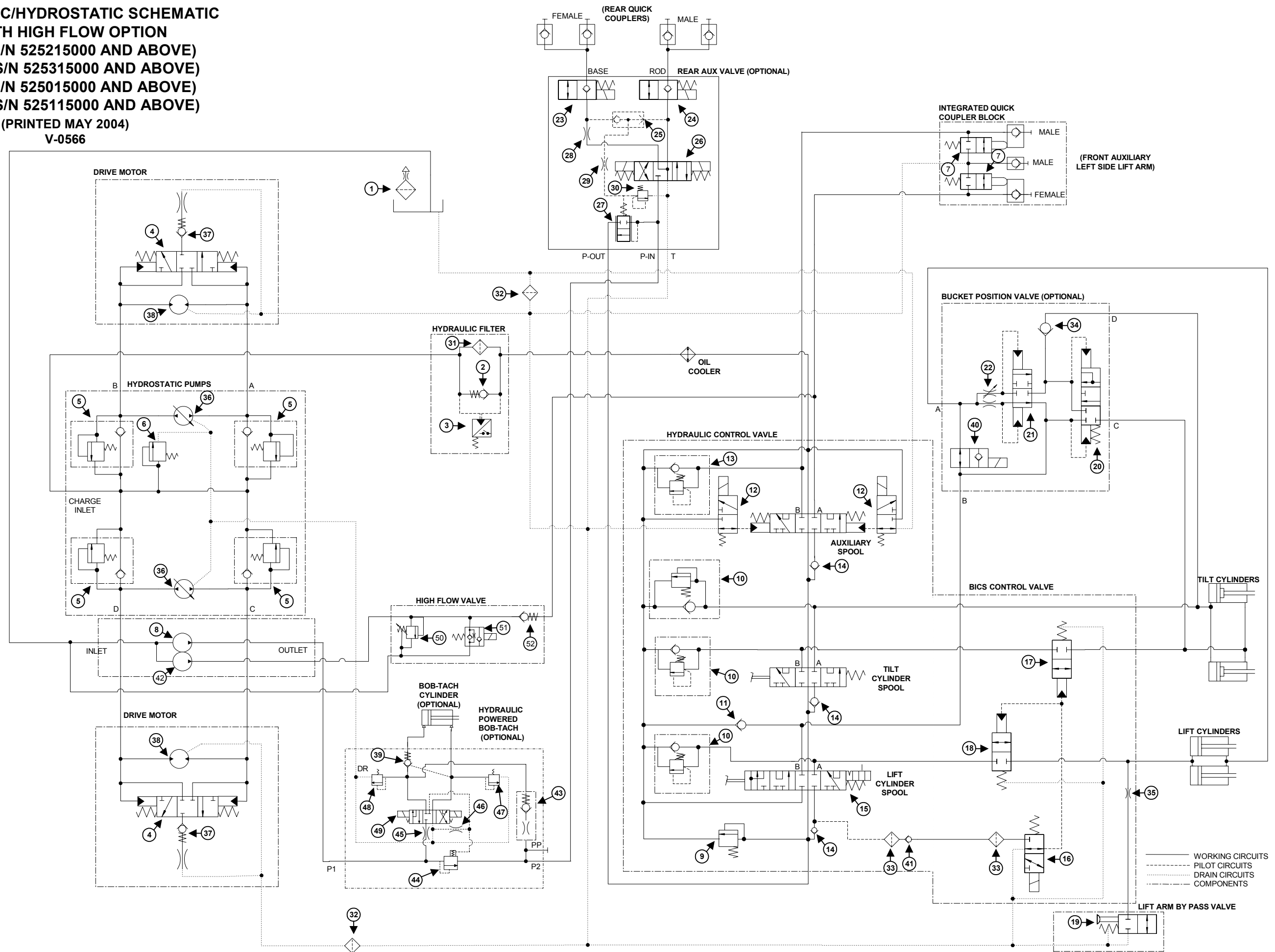
V-0566legend

LEGEND

- | | | | |
|--|---|---|---|
| <p>① RESERVOIR:
Capacity 19.2 Qts. (18,2 L)</p> <p>② SPRING LOADED FILTER BY-PASS
VALVE: 45-55 PSI (3,1-3,8 Bar)</p> <p>③ DIFFERENTIAL PRESSURE SWITCH:
36-44 PSI (2,5-3,0 Bar)
Normally Closed</p> <p>④ DRIVE MOTOR SHUTTLE VALVE</p> <p>⑤ RELIEF/REPLENISHING VALVE - HIGH
PRESSURE: 5000 PSI (345 Bar)</p> <p>⑥ RELIEF VALVE - CHARGE INLET:
240-260 PSI (17-18 Bar)
at High Engine Idle
With 140 degrees F. (60 degrees C.) Fluid</p> <p>⑦ FRONT AUXILIARY MANUAL PRESSURE
BLEED-OFF VALVE</p> <p>⑧ HYDRAULIC PUMP Gear Type
16.9 GPM (64 L/min.) at High Engine Idle</p> <p>⑨ RELIEF VALVE - MAIN:
3250-3350 PSI (224-231 Bar)
at Front Quick Couplers</p> <p>⑩ RELIEF/ANTICAVITATION VALVE -
PORT 3500 PSI (241,3 Bar)</p> <p>⑪ ANTICAVITATION VALVE</p> <p>⑫ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - AUXILIARY</p> <p>⑬ RELIEF/ANTICAVITATION VALVE -
PORT (OPTIONAL) 3500 PSI (241,3 Bar)</p> | <p>⑭ LOAD CHECK VALVE</p> <p>⑮ LIFT CYLINDER SPOOL - MADE TO
RESTRICT FLOW DURING BOOM
DOWN BUT NOT DURING BOOM UP</p> <p>⑯ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BICS CONTROL</p> <p>⑰ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - TILT CONTROL</p> <p>⑱ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - LIFT CONTROL</p> <p>⑲ PULL BUTTON ACTIVATED
DIRECTIONAL CONTROL VALVE - LIFT
ARM BY-PASS</p> <p>⑳ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - UNLOADING
SPOOL</p> <p>㉑ PILOTED ACTIVATED DIRECTIONAL
CONTROL VALVE - FLOW CONTROL
SPOOL</p> <p>㉒ FLOW DIVIDER ADJUSTMENT VALVE</p> <p>㉓ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BASE</p> <p>㉔ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - ROD</p> <p>㉕ LOAD SHUTTLE VALVE - BLEED OFF</p> <p>㉖ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - TWO COIL</p> | <p>㉗ PILOT ACTIVATED DIRECTIONAL
CONTROL VALVE - REAR AUXILIARY</p> <p>㉘ RESTRICTOR - 0.140 inch (3,6 mm)</p> <p>㉙ RESTRICTOR - 0.031 inch (0,8 mm)</p> <p>㉚ RELIEF VALVE: 3300 PSI (228 Bar)</p> <p>㉛ FILTER - HYDRAULIC (CANISTER)</p> <p>㉜ FILTER - CASE DRAIN (SINTERED
BRONZE)</p> <p>㉝ FILTER - BICS CONTROL VALVE
(SCREEN)</p> <p>㉞ CHECK VALVE - BUCKET POSITION
VALVE</p> <p>㉟ RESTRICTION</p> <p>㊱ VARIABLE CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC PUMP</p> <p>㊲ SHUTTLE RELIEF VALVE
(Not Adjustable - Factory Set)
65 PSI (4,5 Bar)</p> <p>㊳ FIXED CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC
MOTOR</p> <p>㊴ CHECK VALVE - With 80 PSI (5,5 Bar) Spring</p> | <p>㊵ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - BUCKET POSITION
VALVE (ON/OFF)</p> <p>㊶ CHECK VALVE - BICS CONTROL VALVE</p> <p>㊷ AUXILIARY HYDRAULIC PUMP -
9.5 GPM (36 L/min) at High Engine Idle</p> <p>㊸ CHECK VALVE - With 300 PSI (20,7 Bar)
Spring And With 0.016 inch (0,40 mm) Orifice</p> <p>㊹ PILOT ACTIVATED DIRECTIONAL
CONTROL VALVE - HYDRAULIC
POWERED BOB-TACH</p> <p>㊺ RESTRICTION - 0.089 inch (2,26 mm)</p> <p>㊻ RESTRICTION - 0.025 inch (0,6 mm)</p> <p>㊼ RELIEF VALVE - 2000 PSI (137 Bar)</p> <p>㊽ RELIEF VALVE - 1200 PSI (83 Bar)</p> <p>㊾ SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE (TWO COIL)</p> <p>㊿ RELIEF VALVE - 3300 PSI (228 Bar)</p> <p>51 DUMP VALVE - (ON/OFF)</p> <p>52 CHECK VALVE</p> |
|--|---|---|---|

NOTE: Unless otherwise specified
springs have NO significant
pressure value.

**HYDRAULIC/HYDROSTATIC SCHEMATIC
WITH HIGH FLOW OPTION**
S175 (S/N 525215000 AND ABOVE)
(S/N 525315000 AND ABOVE)
S185 (S/N 525015000 AND ABOVE)
(S/N 525115000 AND ABOVE)
 (PRINTED MAY 2004)
 V-0566



WIRING SCHEMATIC (Without ACS Option)

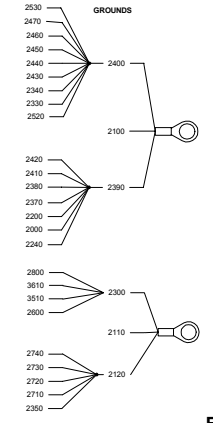
S175 (S/N 525211001 AND ABOVE)
S175 (S/N 525311001 AND ABOVE)
S185 (S/N 525011001 AND ABOVE)
S185 (S/N 525111001 AND ABOVE)
(PRINTED NOVEMBER 2003)
V-0440

WIRES CONNECT BY LETTER
ACROSS CONNECTORS

SOME CONNECTOR
BODIES NOT SHOWN
FOR DRAWING CLARITY

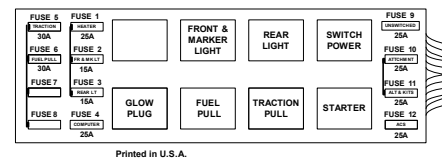
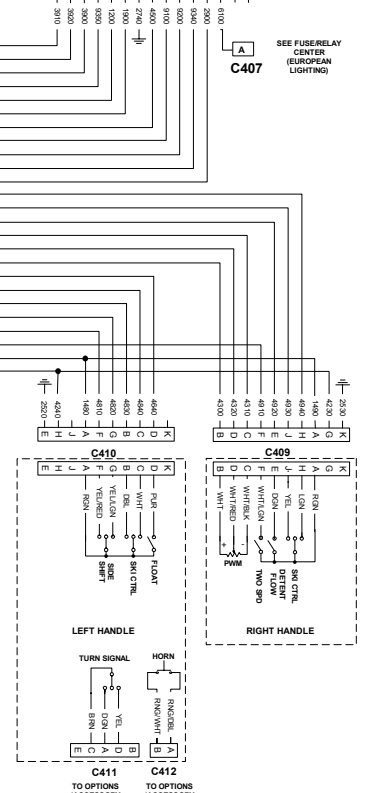
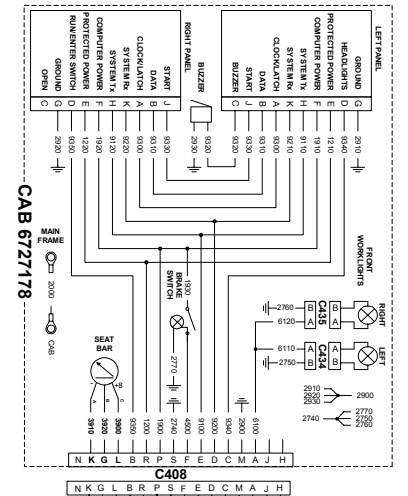
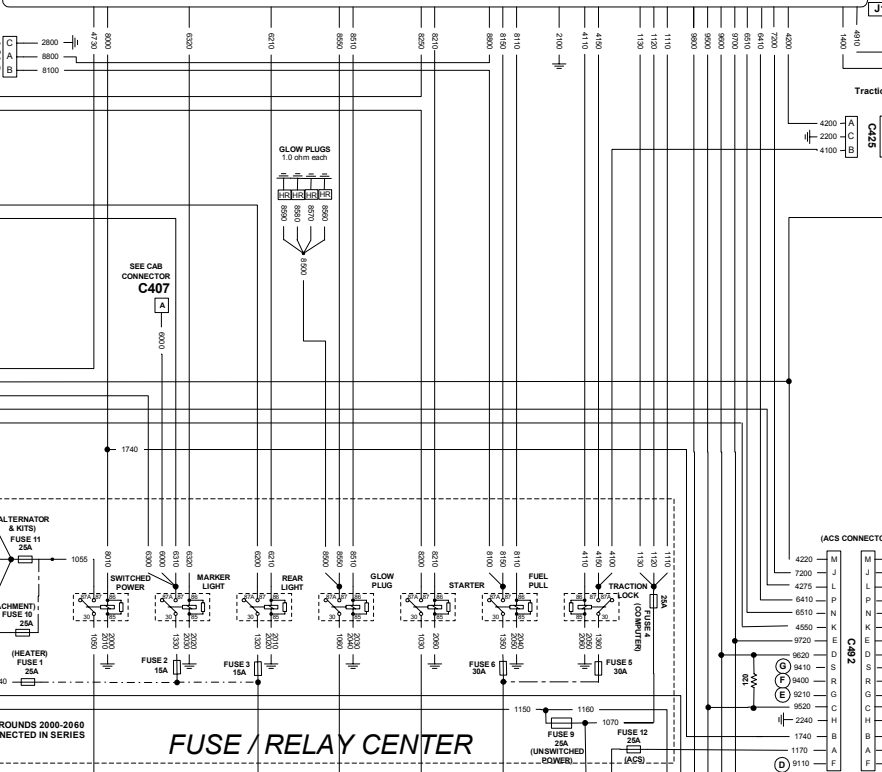
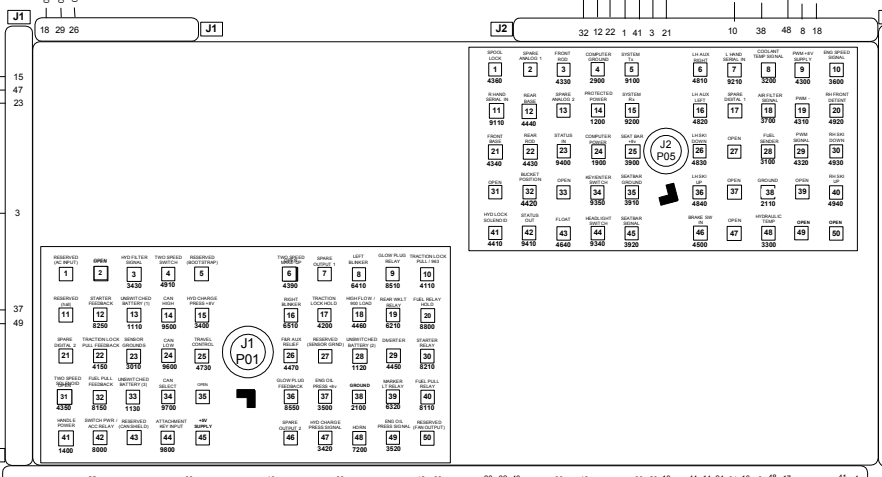
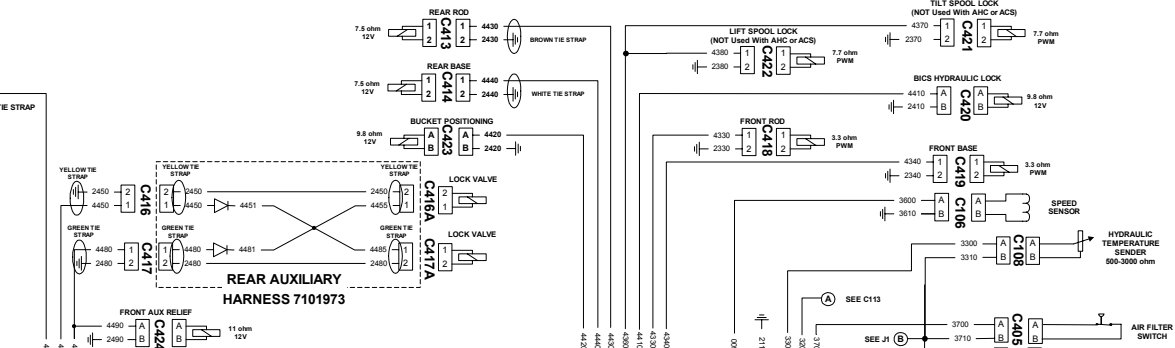
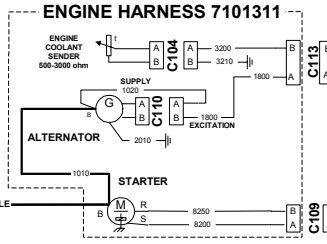
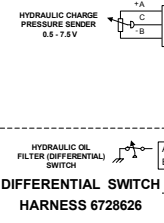
RED = RED
RNG = ORANGE
BLK = BLACK
LBL = LIGHT BLUE
DBL = DARK BLUE
LON = LIGHT GREEN
DGN = DARK GREEN
YEL = YELLOW
PNK = PINK
WHT = WHITE
BRN = BROWN
TAN = TAN
PUR = PURPLE
GRY = GRAY

RELAY GROUNDS 2000-2060
ARE CONNECTED IN SERIES



UNSWITCHED POWER 1000-1999 RED
FUSED, UNSWITCHED POWER 1000-1999 RED/WHT
SWITCHED POWER 1000-1999 RNG

GROUND 2000-2060 BLK
MONITORED 2000-2060 LBL
HYDRAULIC 4000-4999 LON
ATTACHMENT CONTROLS 5000-5999 YEL
LIGHTS 6000-6999 PNK
ACCESSORIES 7000-7999 WHT
ENGINE 8000-8999 TAN
COMMUNICATION 9000-9999 PUR



Printed in U.S.A.

V-0440 (10-27-03)

WIRING SCHEMATIC (With ACS Option)

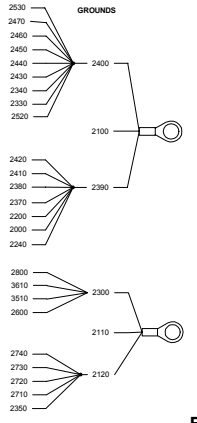
S175 (S/N 525211001 AND ABOVE)
(S/N 525311001 AND ABOVE)
S185 (S/N 525011001 AND ABOVE)
(S/N 525111001 AND ABOVE)
(PRINTED NOVEMBER 2003)
V-0441

WIRES CONNECT BY LETTER
ACROSS CONNECTORS

SOME CONNECTOR
BODIES NOT SHOWN
FOR DRAWING CLARITY

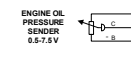
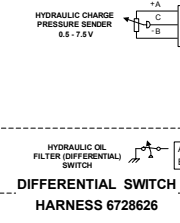
RED = RED
RNG = ORANGE
BLK = BLACK
LBL = LIGHT BLUE
DLB = DARK BLUE
LON = LIGHT GREEN
DGN = DARK GREEN
YEL = YELLOW
PRK = PINK
WHT = WHITE
BRN = BROWN
TAN = TAN
PUR = PURPLE
GRY = GRAY

RELAY GROUNDS 2000-2060
ARE CONNECTED IN SERIES

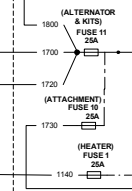
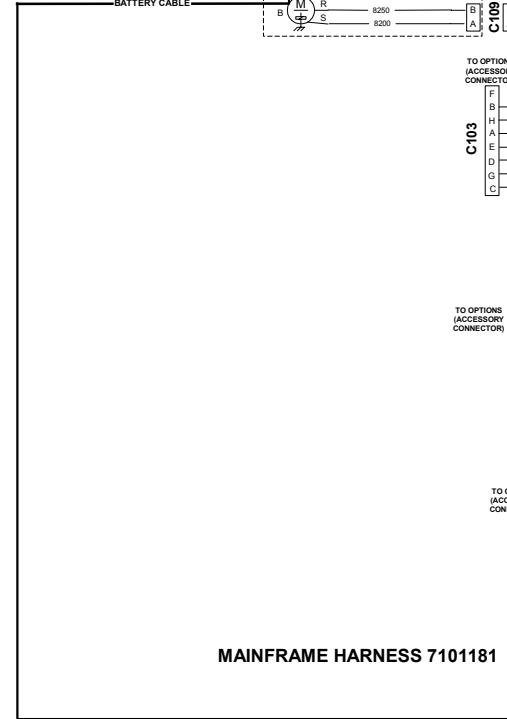
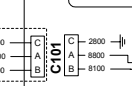
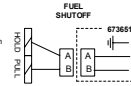
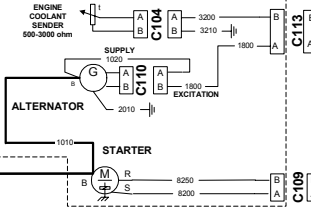


UNSWITCHED POWER 1000-1999 RED
FUSED, UNSWITCHED POWER 1000-1999 RED/WHT
SWITCHED POWER 1000-1999 RNG

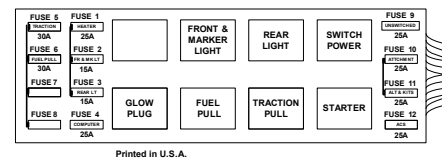
GROUND 2000-2060 BLK
MONITORED 2000-2060 LBL
HYDRAULIC 4200-4999 LON
LIGHTS 6000-6999 PRK
ACCESSORIES 7000-7999 WHT
ENGINE 8000-8999 TAN
COMMUNICATION 9000-9999 PUR



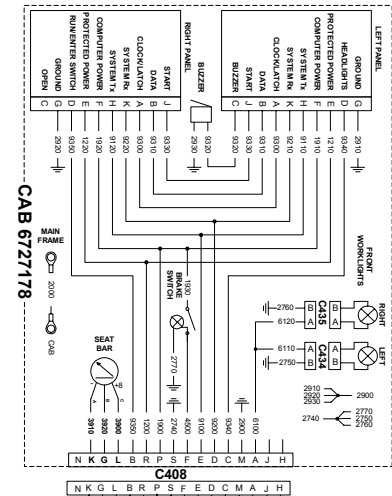
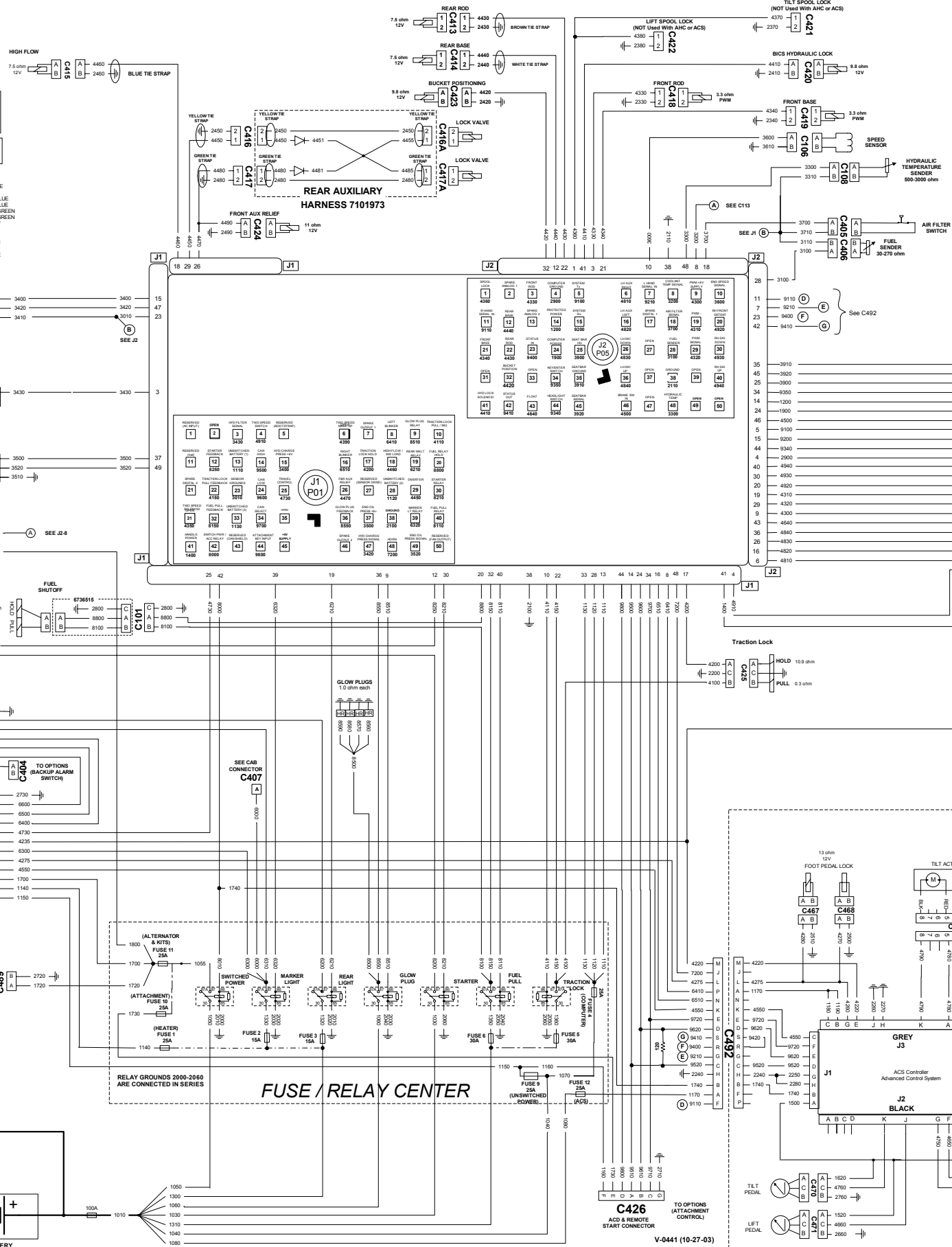
ENGINE HARNESS 7101311



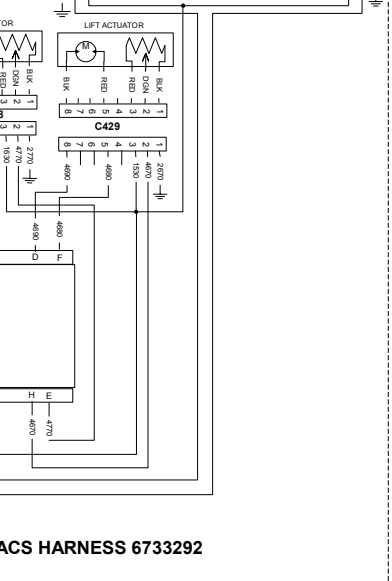
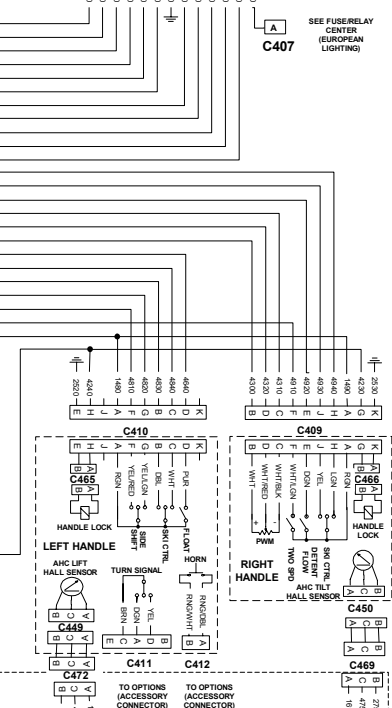
FUSE / RELAY CENTER



Printed in U.S.A.



ACS HARNESS 6733292

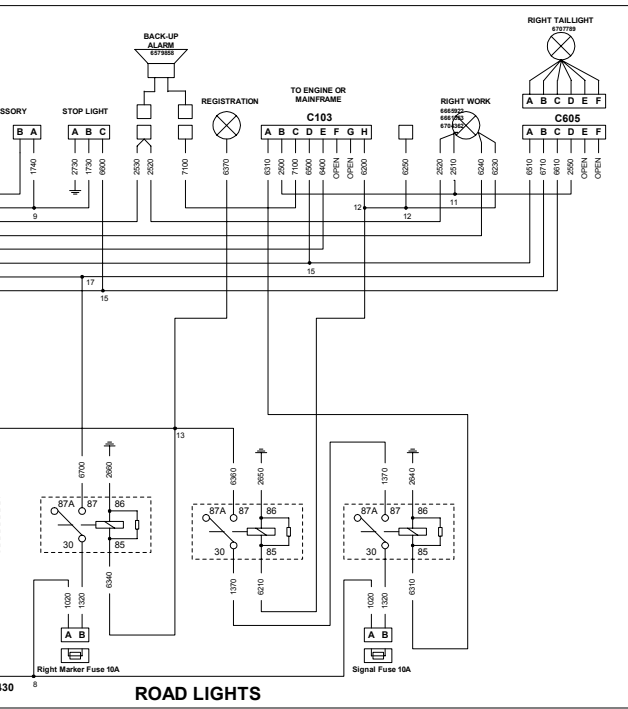
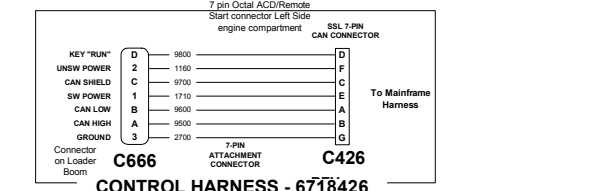
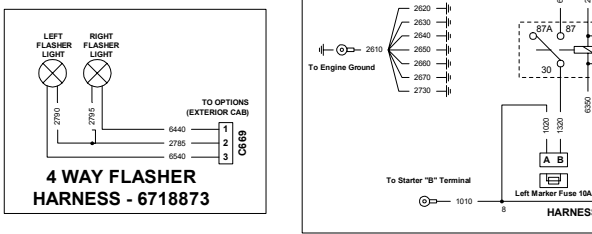
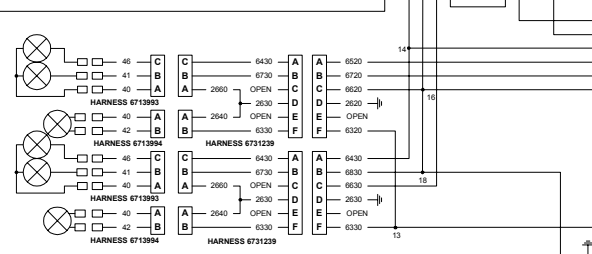
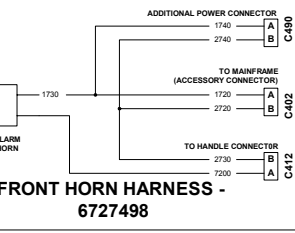
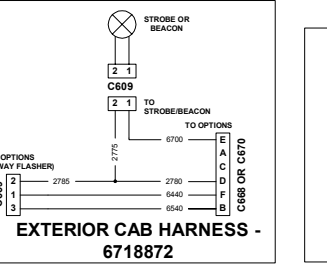
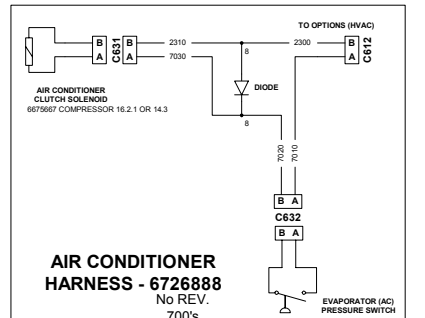
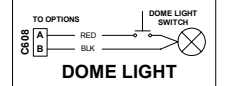
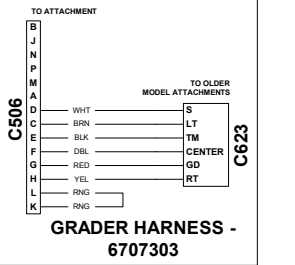
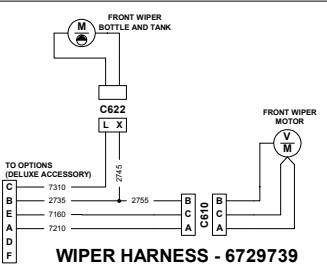
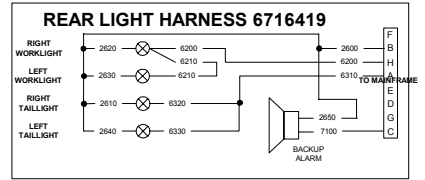
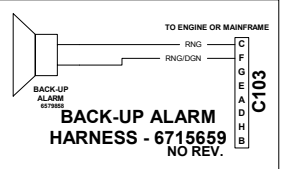
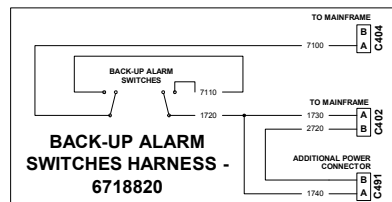
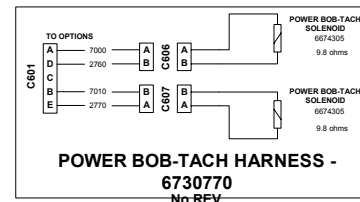
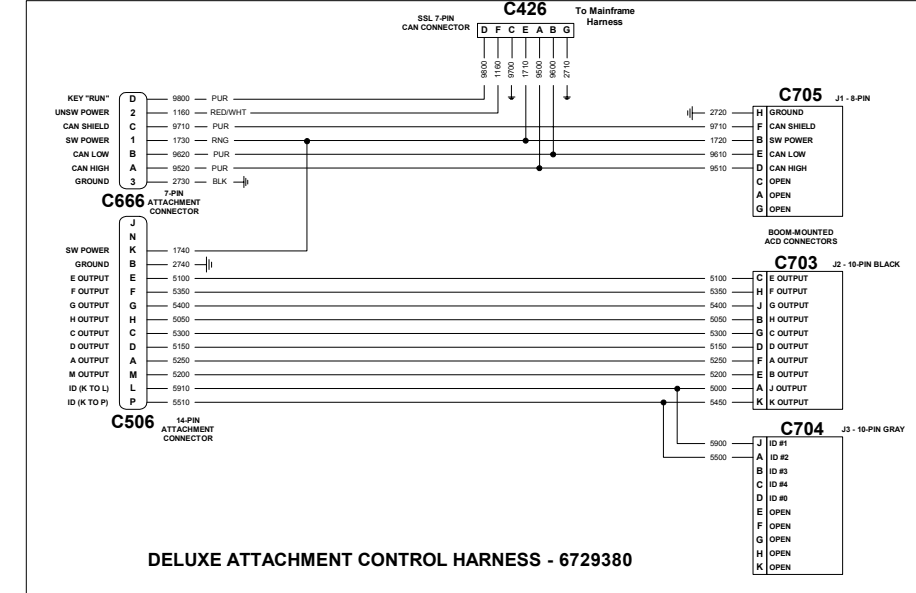
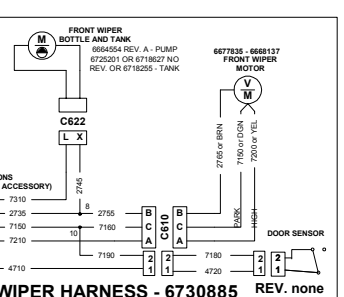
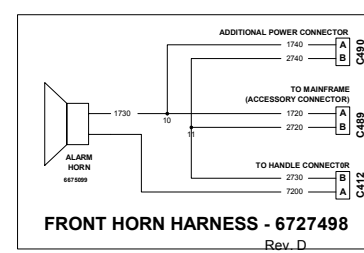
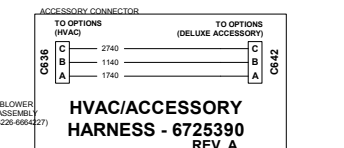
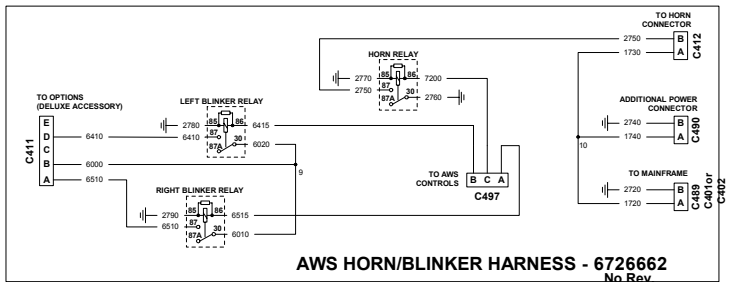
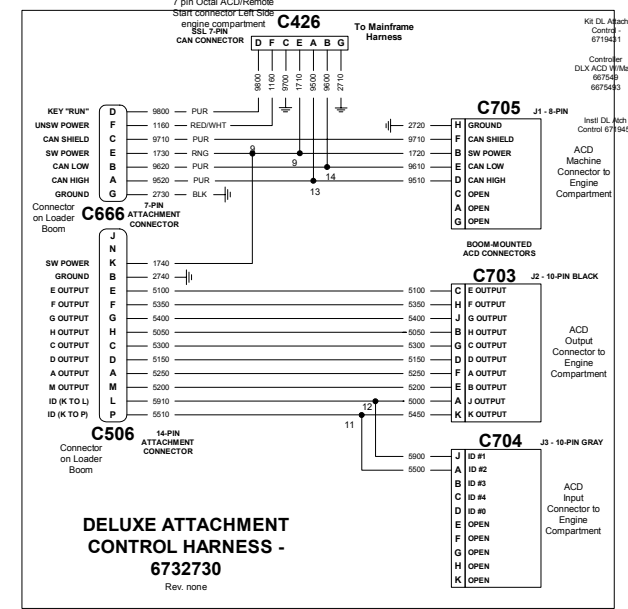
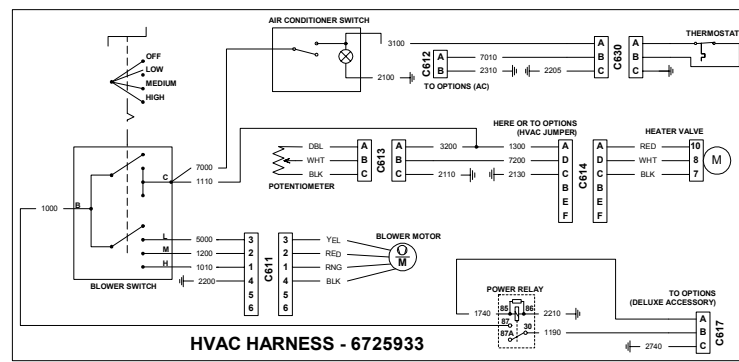
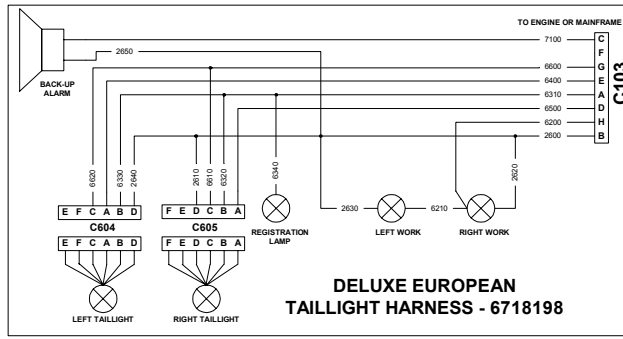


C426
ACD & REMOTE
START CONNECTOR

V-0441 (10-27-03)

WIRING SCHEMATIC

OPTIONS
 S175 (S/N 525211001 AND ABOVE)
 (S/N 525311001 AND ABOVE)
 S185 (S/N 525011001 AND ABOVE)
 (S/N 525111001 AND ABOVE)
 (PRINTED MAY 2004)
 V-0442



WIRE COLOR KEY:
 RED = RED
 GRN = GRANGE
 BLK = BLACK
 LBL = LIGHT BLUE
 DBL = DARK BLUE
 LGN = LIGHT GREEN
 DGR = DARK GREEN
 YEL = YELLOW
 GRN = GRN
 WHT = WHITE
 BRN = BROWN
 TAN = TAN
 PUR = PURPLE
 GRY = GRAY

WIRING NOTES:
 BATTERY FEED 1000-1999 RED, RED/WHY, GRN
 GROUND 2000-2999 BLK
 MONITORING 3000-3999 LBL
 HYDRAULIC 4000-4999 LGN
 ATTACHMENT CONTROLS 5000-5999 YEL
 LIGHTS 6000-6999 PNK
 ACCESSORIES 7000-7999 WHT
 ENGINE 8000-8999 TAN
 COMMUNICATION 9000-9999 PUR

WIRING INSTRUCTIONS:
 WIRES CONNECT BY LETTER ACROSS CONNECTORS
 SOME CONNECTOR BODIES NOT SHOWN FOR DRAWING CLARITY

WIRING SCHEMATIC OPTIONS

S175 (S/N 525211001 AND ABOVE)
(S/N 525311001 AND ABOVE)
S185 (S/N 525011001 AND ABOVE)
(S/N 525111001 AND ABOVE)
(PRINTED NOVEMBER 2003)
V-0443

RED = RED
RNG = ORANGE
BLK = BLACK
LBL = LIGHT BLUE
DBL = DARK BLUE
LGN = LIGHT GREEN
DGN = DARK GREEN
YEL = YELLOW
PNK = PINK
WHT = WHITE
BRN = BROWN
TAN = TAN
PUR = PURPLE
GRY = GRAY

**WIRES CONNECT BY LETTER
ACROSS CONNECTORS**

**SOME CONNECTOR
BODIES NOT SHOWN
FOR DRAWING CLARITY**

BATTERY FEED 1000-1999 RED, REDWHT, RNG
GROUND 2000-2999 BLK
MONITORING 3000-3999 LBL
HYDRAULIC 4000-4999 LGN
ATTACHMENT CONTROLS 5000-5999 YEL
LIGHTS 6000-6999 PNK
ACCESSORIES 7000-7999 WHT
ENGINE 8000-8999 TAN
COMMUNICATION 9000-9999 PUR

