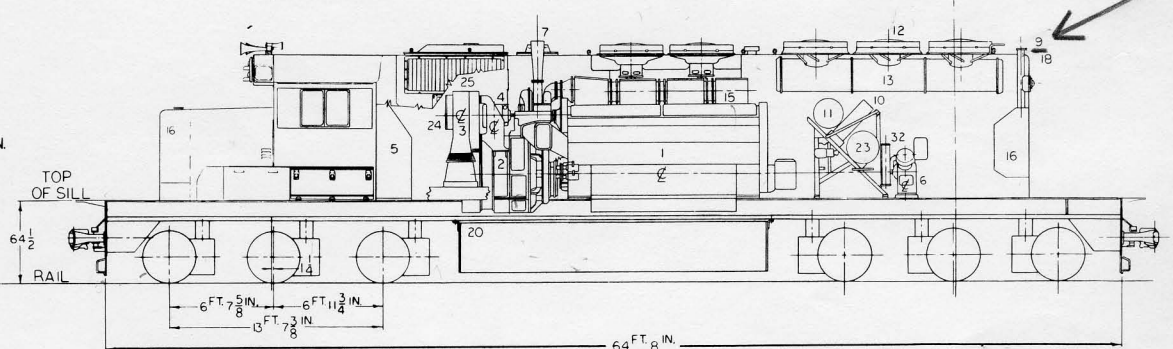
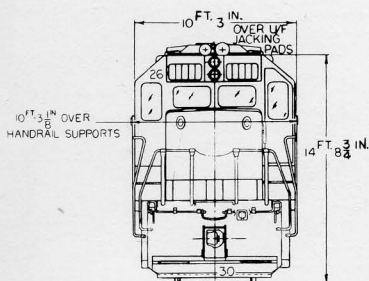
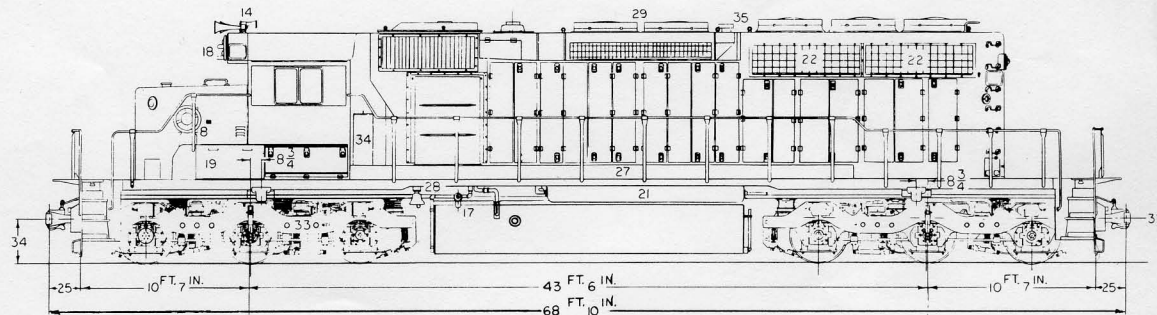
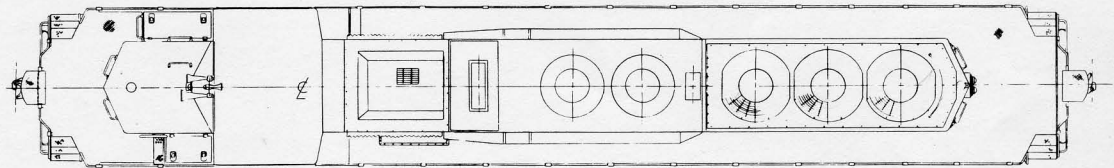


MODEL SD40-2 — 3000 HP SIX MOTOR DIESEL ELECTRIC LOCOMOTIVE

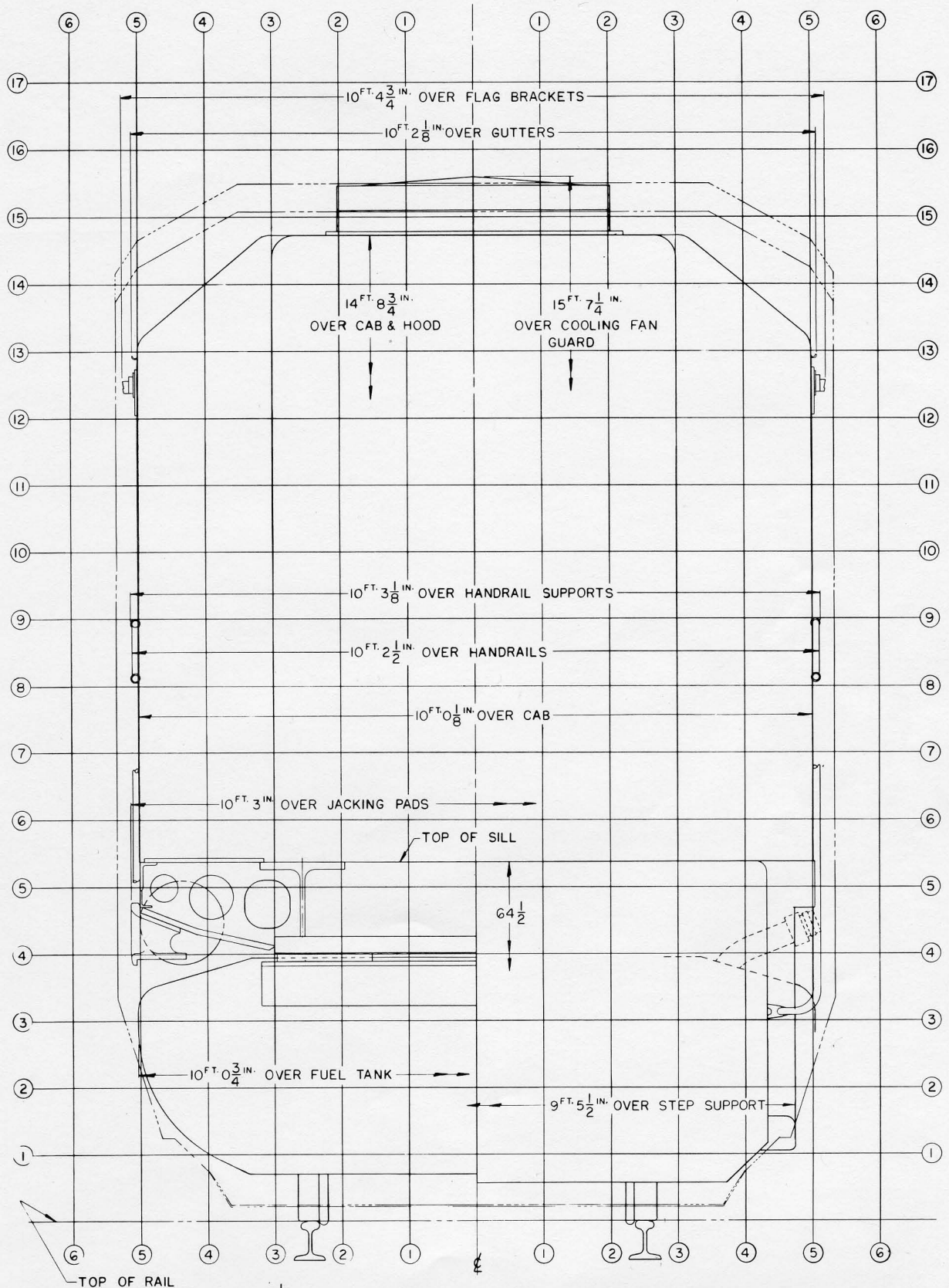
- | | |
|------------------------------------|-----------------------------------|
| 1. ENGINE 16-645E3 | 19. BATTERIES |
| 2. GENERATOR-ALTERNATOR AR10A7-D14 | *20. FUEL TANK (4000 GAL. SHOWN) |
| 3. TRACTION MOTOR-GENERATOR BLOWER | 21. MAIN AIR RESERVOIRS |
| 4. AUXILIARY GENERATOR | 22. COOLING AIR INLET SHUTTERS |
| 5. ELECTRICAL CONTROL CABINET | 23. LUBE OIL FILTER |
| *6. AIR COMPRESSOR (WBG SHOWN) | 24. ENGINE AIR FILTER |
| 7. ENGINE EXHAUST STACK | 25. INERTIAL AIR SEPARATOR |
| 8. HANDBRAKE | 26. NUMBER BOX |
| 9. SAND BOX FILLER | 27. TRACTION MOTOR AIR DUCT |
| 10. LUBE OIL COOLER | 28. BELL |
| 11. ENGINE WATER TANK | *29. DYNAMIC BRAKE FAN |
| 12. 48 INCH COOLING FAN | 30. PILOT |
| 13. RADIATOR | 31. COUPLER |
| 14. HORN | 32. FUEL FILTER |
| 15. EXHAUST MANIFOLD | 33. TRUCK-HTC-6 WHEEL |
| 16. SAND BOX | 34. ELECTRICAL CABINET AIR FILTER |
| *17. FUEL FILLER | 35. ENGINE ROOM VENT |
| 18. HEADLIGHT | *MODIFICATION |

NOTE:
LOCOMOTIVE HEIGHT TOLERANCE = +2½ IN.
-1½ IN.
LOCOMOTIVE WIDTH TOLERANCE = ±1/2 IN.
TRUCK LATERAL AT BOLSTERS = 1½ IN. NOM.

Locomotive is shown including half variable supplies and in new condition standing still on level and tangent track.



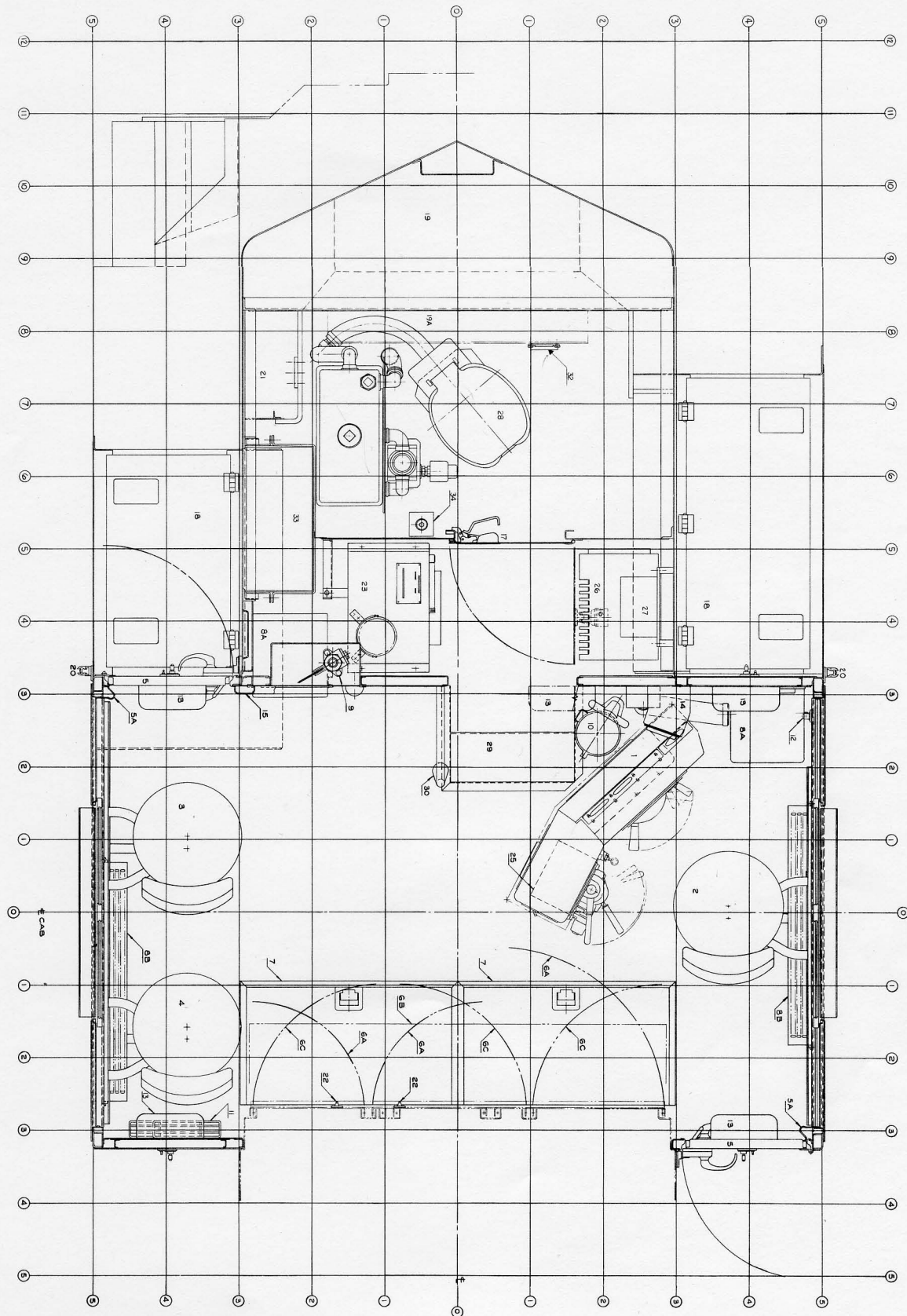
SD40-2 CLEARANCE DIAGRAM



NOTE:
 LOCO. HEIGHT TOLERANCE = $\pm 2\frac{1}{2}$
 LOCO. WIDTH TOLERANCE = $\pm \frac{1}{2}$
 TRUCK LATERAL AT BOLSTERS = $\frac{1}{4}$ NOM.
 CLEARANCE OUTLINE:
 A.A.R. PLATE "B" DATED MARCH 1, 1968. -----
 A.A.R. PLATE "C" DATED MARCH 1, 1968. -----

LOCOMOTIVE IS SHOWN INCLUDING HALF VARIABLE SUPPLIES AND IN NEW CONDITION, STANDING STILL ON LEVEL AND TANGENT TRACK. VERTICAL DIMENSIONS WILL BE $\frac{1}{2}$ IN. LESS WITH FULL WHEEL WEAR. VERTICAL DIMENSIONS CAN ALSO VARY $\pm \frac{1}{8}$ DUE TO VARIABLE SUPPLIES.

CAB AND SHORT HOOD ARRANGEMENT



- 1. Engineer's Control Stand-AAR
- 2. Engineer's Seat with Seat Locking Modification
- *3. Auxiliary Seat
- 4. Observer's Seat
- 5. Cab Door (2)
- 5a. Door Hinge Boot (2)
- 6. Electrical Cabinet
- 6a. Upper Doors
- 6b. Middle Door
- 6c. Lower Doors

- 7. Trap Doors (2)
- *8. Cab Heaters-Electric (4)
- 8a. Front Partition (2)
- *8b. Side Strip Heater (2)
- 9. Emergency Brake Valve and Guard
- *10. Fire Extinguisher-30 lb.
- 11. Flag & Fuse Rack
- 12. Sun Visor
- 13. Window Wiper & Guard (6)
- 14. Speed Recorder

- 15. Defroster Duct
- 16. Door Stop
- 17. Short Hood Door
- 18. Battery Box
- 19. Sand Box
- *19a. Extra Capacity Sand Box
- 20. Lamp Bracket (2)
- 21. Hand Brake Recess
- 22. Coat Hook (2)
- *23. Water Cooler
- 24. Card Holder

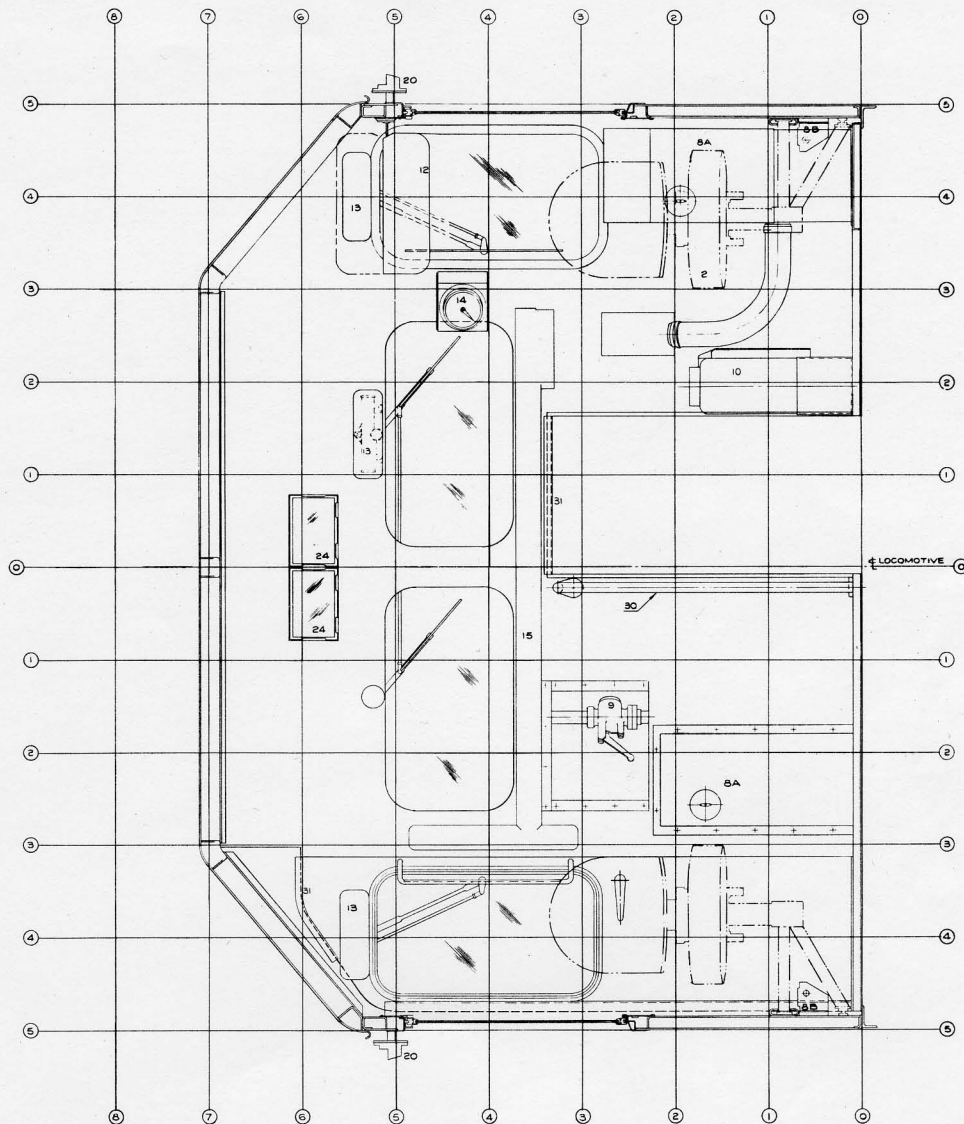
- *25. Radio
- *26. Transmitter & Receiver
- *27. Radio Voltage Filter
- *28. Toilet
- 29. Step Down to Short Hood
- 30. Grab Iron
- 31. Headbump Pad
- *32. Toilet Paper Holder
- *33. Water Tank
- 34. Floor Drain
- *Modification

January, 1977

GP15-1,38-2,39-2,40-2
SD38-2,40-2,45-2



CAB ARRANGEMENT – FORWARD CAB WALL



- 1. Engineer's Control Stand-AAR
- 2. Engineer's Seat with Seat Locking Modification
- *3. Auxiliary Seat
- 4. Observer's Seat
- 5. Cab Door (2)
- 5a. Door Hinge Boot (2)
- 6. Electrical Cabinet
- 6a. Upper Doors
- 6b. Middle Door
- 6c. Lower Doors

- 7. Trap Doors (2)
- *8. Cab Heaters-Electric (4)
- 8a. Front Partition (2)
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- 9. Emergency Brake Valve and Guard
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- 15. Defroster Duct
- 16. Door Stop
- 17. Short Hood Door
- 18. Battery Box
- 19. Sand Box
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- 20. Lamp Bracket (2)
- 21. Hand Brake Recess
- 22. Coat Hook (2)
- *23. Water Cooler
- 24. Card Holder

- *25. Radio
- *26. Transmitter & Receiver
- *27. Radio Voltage Filter
- *28. Toilet
- 29. Step Down to Short Hood
- 30. Grab Iron
- 31. Headbump Pad
- *32. Toilet Paper Holder
- *33. Water Tank
- 34. Floor Drain
- *Modification

January, 1977

GP15-1,38-2,39-2,40-2
SD38-2,40-2,45-2

