

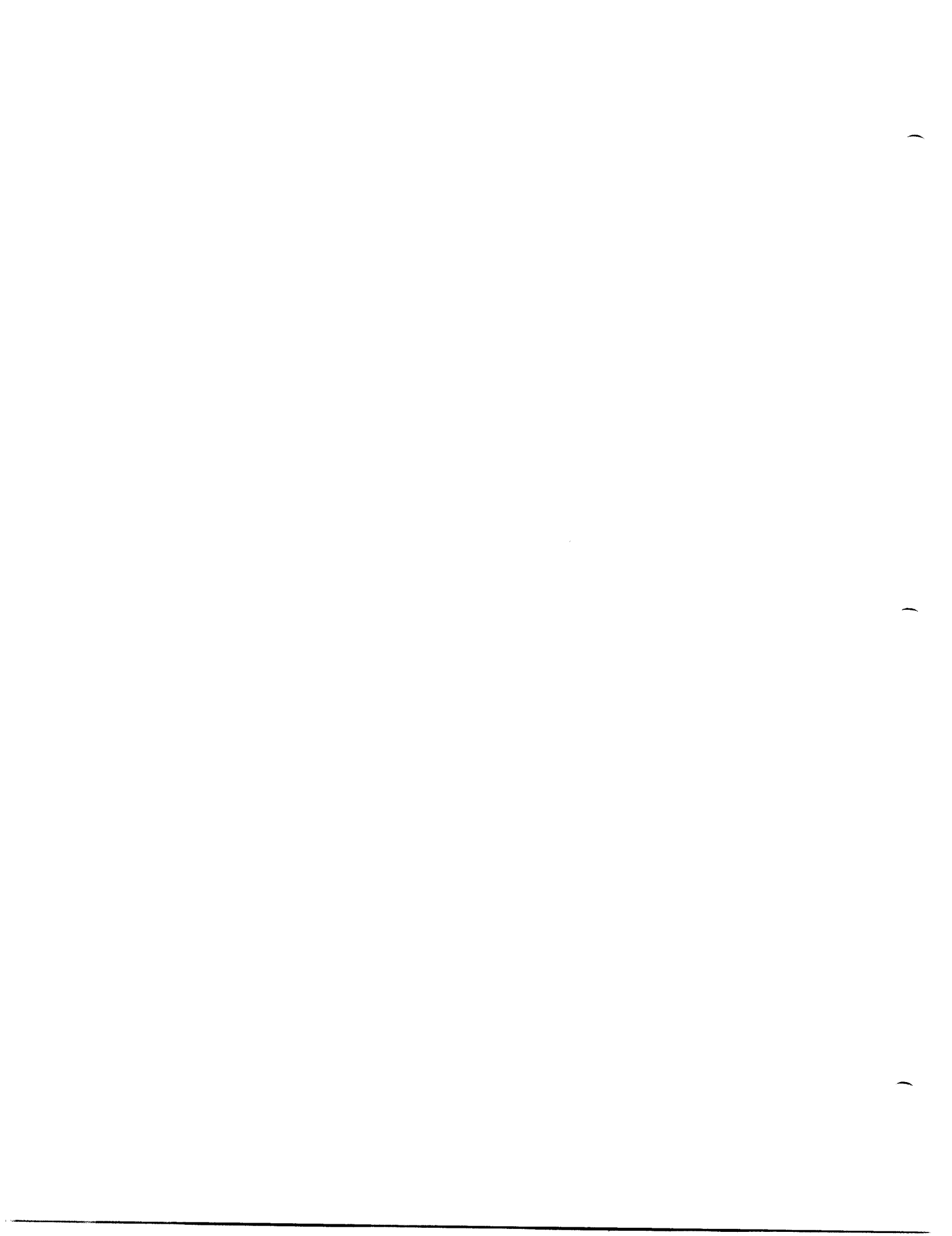


*GEK-103201 Assembly Instructions*

***POWER/VAC® Compartment Kits***

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**1. Assembly Instructions for Breaker  
Compartment Kits.**

The following procedures are general instructions for assembling medium voltage breaker compartment kits. The basic compartment kit may be supplemented with additional parts for orders with special requirements. Before any installation work is done, review all drawings furnished by the GE for each compartment kit order.

**1.1. Breaker Racking Mechanism Mounting Holes.**

Drill mounting holes for .25" (6.35mm) diameter self tapping screws at locations shown on 0144D2915 sheet 8.

**1.2. Breaker Racking Mechanism Mounting.**

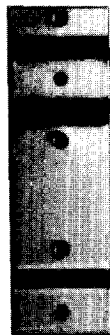


Fig. 1 Track Mounting Bracket

- (a) Mount track mounting bracket (Fig. 1), one on each side of compartment, using .25" x .50" (6.35mm x 12.7mm) self tapping screws in mounting holes at 16.812" (427.025mm) behind datum "B".



Fig. 2 Left Hand Racking Mechanism



Fig. 3 Right Hand Racking Mechanism

- (b) Mount left and right racking mechanisms (Figs. 2 and 3) leaving mounting screws loose, with two (2) .25" x .75" (6.35mm x 19.05mm) diameter self tapping screws in front of each racking mechanism and one .25" x .625" (6.35mm x 15.875mm) self tapping screw through the racking mechanism and upper hole in track bracket, and one .25" x .75" (6.35mm x 19.05mm) self tapping screw through the racking mechanism and lower hole in track bracket.



Fig. 4 Track Spacer

- (c) Install one, two or three track spacers (Fig. 4) on each side of the compartment as necessary, with four (4) .25" x 1.25" (6.35mm x 31.75mm) self tapping screws in both racking mechanisms. With racking mechanisms at necessary and equal height, tighten the eight (8) mounting screws on each. Drill a .246" (6.25mm) diameter hole in front and rear, through the racking mechanisms and compartment frame in front, and track bracket in rear. Insert roll pin and drive pins flush with racking mechanism to set correct height.

**1.3. Gauging Track Width.**



Fig. 5. Track Width Gauge

- (a) Using track width gauge (Fig. 5), adjust width of racking mechanisms using shims (Fig. 6).



Fig. 6 Track Shims

- (b) To center the breaker in the compartment, install an even number of shims on each side of the compartment. Place shims between racking mechanisms and inside compartment mounting surfaces, at mounting hardware locations as necessary to adjust width to  $29.802 \pm .055$ " ( $756.971 \pm 1.397$ mm) (*this width dimension is critical and must be accurate*). When odd number of shims is required to adjust racking mechanisms for 1200 amp breaker compartment, install the final odd shim on left side of compartment. When odd number of shims is required to adjust for 2000 amp and 3000 amp breaker compartment, install the final odd shim on the right side of the compartment.

**1.4. Primary Mounting.**

- (a) Mount lower primary disconnect (Fig. 7) perpendicular to datum "A" within .030" (.762mm) of locations shown on 0144D2915, sheet 2. Center line of studs in lower primary to be 10.938" (277.825mm) above datum "A". Mounting surface of primaries (datum "E") to be 26.875" (682.625mm) behind datum "B". Datum "E" to be parallel to datum "B" within .015" (9.381mm).

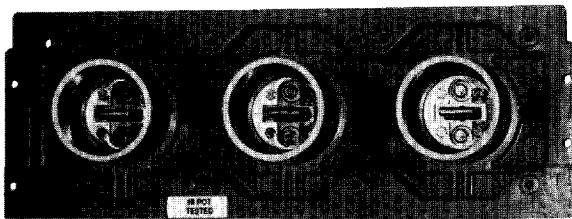


Fig. 7 Polyester Primary Disconnect

- (b) Mount upper primary disconnect (Fig. 7) perpendicular to datum "A" with the same tolerance as lower primary. Center line of studs in upper primary to be 23.4375" (595.312mm) above datum "A". Mounting surface of primaries (datum "E") to be  $26.875 \pm .030$ " ( $682.625 \pm .762$ mm) behind datum "B".

**1.5. Grading Shield Installation Requirements**



Fig. 8 Grading Shield

Grading shields (Fig. 8) are to be mounted on primaries in breaker compartment when all of the following conditions apply.

- (1) When switchgear rating is 15 KV.
- (2) When riser bus or run backs, bolted to rear of primaries, do not exit the primary at 90 degrees.
- (3) When no donut type current transformers are mounted in breaker compartment around primaries.

**1.6. Spreader Assembly Mounting.**

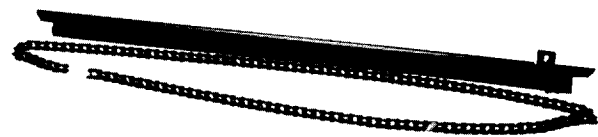


Fig. 9 Spreader Assembly

- (a) Attach spreader assembly (Fig. 9) with four (4) hex head .25" (6.35mm) bolts with flat and lock washers to mounting holes in blocks at rear of right and left racking mechanisms and torque to 6-8 foot-pounds (8.1-10.8Nm).
- (b) Before installing chain, turn jack screws on right and left racking mechanisms clockwise until jack screw drive nuts are at full "in" position.
- (c) Route chain around sprockets on end of right and left jack screw shafts and under adjustable sprocket on spreader angle. Install chain removable link, and adjust chain tension. Apply grease as necessary.

**1.7. Shutter Mechanism Mounting Studs**

Install three (3) .25" x .75" (6.35mm x 19.05mm) studs on each side of compartment, at locations shown on 0144D2915 sheet 8.



### 1.8. Shutter Mechanism Mounting

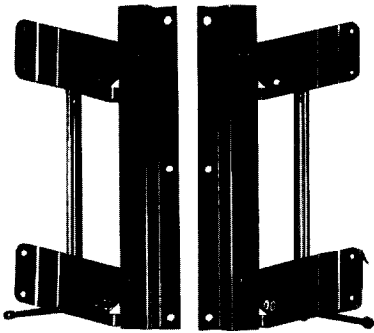


Fig. 10 Left and Right Shutter Mechanisms

Install left and right shutter mechanisms (Fig. 10) with three (3) .25" (6.35mm) nuts, three (3) lock washers, and flat washers on each side.

### 1.9. Shutter Mounting

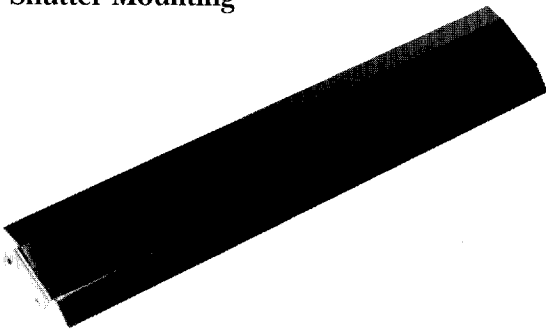


Fig. 11 Shutter

With shutter arms on outside of shutter mechanism arms, bolt upper and lower shutters (Fig. 11) to shutter mechanism with two (2) .25" (6.35mm) bolts, lock washers, and jam nuts on each.

### 1.10. Shutter Mechanism Adjustment



Fig. 12 X-washer and pin

With jack screw nut in the "test" position, attach shutter mechanism to track assembly with X-washer and pin (Fig. 12) on each side. Shutter face to be parallel with datum "E", and track arm roller resting on cam surface.

### 1.11. Secondary Disconnect Support Mounting

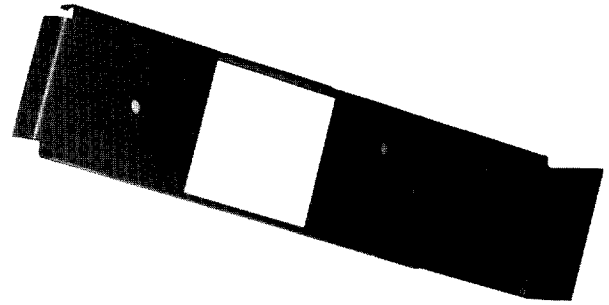


Fig. 13 Secondary Disconnect Support

Mount secondary disconnect support (Fig. 13), with two (2) .25" (6.35mm) self tapping screws through spreader assembly in right rear of breaker compartment into the secondary disconnect support. Attach bottom of secondary disconnect support to position switch mounting surface,  $9.312 \pm .033$ " ( $236.538 \pm .838$ mm) below datum "A" with two (2) .25" (6.35mm) self tapping screws with front surface of secondary disconnect support parallel with datum "E".

### 1.12. Secondary Disconnect Mounting

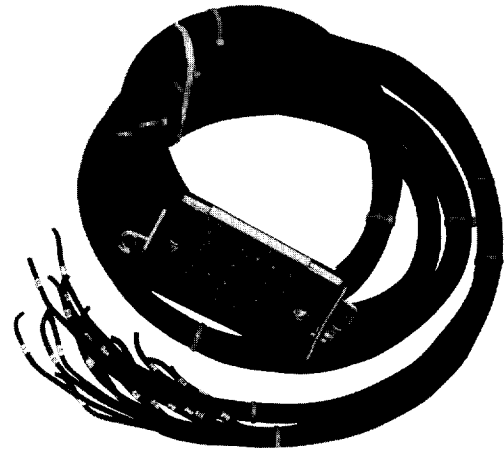


Fig. 14 Secondary Disconnect Assembly

- (a) Run secondary disconnect (Fig. 14) wiring harness through the secondary disconnect support and align disconnect with the number one (1) pin in the upper left position.
- (b) Mount secondary disconnect assembly to support with one (1) .25" (6.35mm) bolt, two (2) flat washers, one (1) lock washer, and one (1) nut in top and bottom of assembly.

**1.13. Position Switch Mounting**

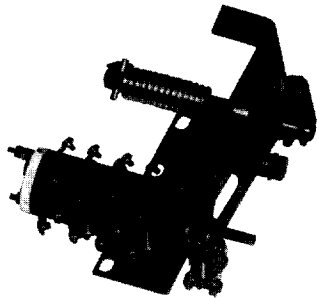


Fig. 15 Position Switch Assembly

Position switches are pre-installed in position switch assembly (Fig. 15), for mounting as a single unit.

- (a) Mount position switch assembly per 0144D2915 sheet 3. Mounting surface to be  $9.312 \pm .090$ " ( $236.538 \pm 2.286$ mm) below datum "A". Front edge of actuator arm of position switch assembly to be  $19.424$ " ( $493.371$ mm) behind datum "B". Position switch assembly arm to be  $.358 \pm .060$ " ( $9.093 \pm 1.524$ mm) to the right of datum "C". Refer to 0144D2915 sheet 4 for roll-in breaker.
- (b) Attach position switch assembly to mounting surface with four (4)  $.25$ " x  $.50$ " ( $6.35$ mm x  $12.70$ mm) self tapping screws through the slots in front and rear of position switch assembly.

**1.14. Ground Finger Assembly Mounting**

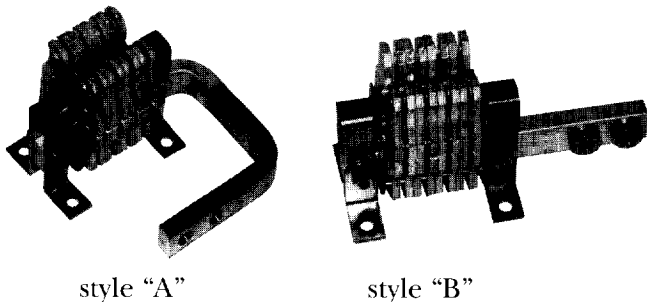


Fig. 16 Ground Finger Assembly

- (a) Mount ground finger assembly (Fig. 16) in front of position switch with four (4)  $.25$ " x  $.50$ " ( $6.35$ mm x  $12.70$ mm) self tapping screws. Ground finger assembly to be mounted on same surface as position switch. Center line of ground finger assembly to be  $3.025 \pm .060$ " ( $76.835 \pm 1.524$ mm) inside of datum "C".

- (b) Attach ground finger assembly to the unit ground bus. Apply contact grease to the inside of the ground finger assembly.

**1.15. Stationary Switch Mounting**

Stationary switches are pre-installed in stationary switch assembly (Fig. 17), for mounting as a single unit.

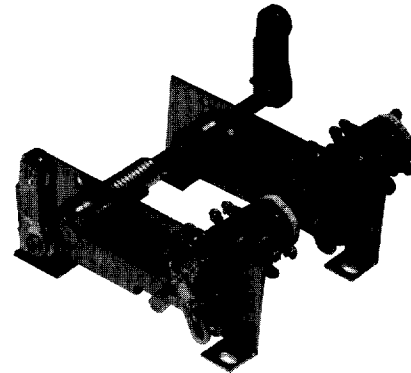


Fig. 17 Stationary Switch Assembly  
(10 stage switch shown)

- (a) Mount stationary switch assembly per 0144D2915 sheet 3. Mounting surface to be  $9.312 \pm .090$ " ( $236.538 \pm 2.286$ mm) below datum "A". Center line of front actuator roller to be  $.562$  ( $14.275$ mm) in front of datum "B". Left side of actuator roller to be  $5.238$ " ( $133.05$ mm) left of datum "C". Refer to drawing 0144D2915 sheet 4 for roll-in breaker.
- (b) Attach stationary switch assembly to mounting surface with four (4)  $.25$ " x  $.50$ " ( $6.35$ mm x  $12.70$ mm) self tapping screws through the slots in front and rear of auxiliary switch assembly.

**1.16. Shutter Angle Mounting**



Fig. 18 Shutter Angle

- (a) Mount shutter angles (Fig. 18) on right and left side, parallel to datum "E", with the front surface to be  $11.00$ " ( $279.40$ mm) in front of datum "E", and  $15.875$ " ( $403.226$ mm) behind datum "B".



- (b) Use three (3) .25" x .75" (6.35mm x 19.05mm) self tapping screws with .25" (6.35mm) flat washers on right and left side of compartment. See 0144D2915 sheet 8 for mounting hole locations.

### 1.17. Stationary Shutter Mounting

Front View

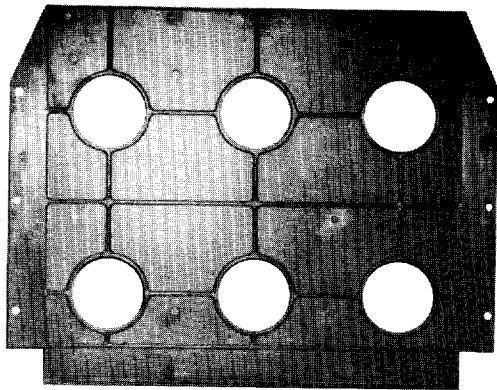


Fig. 19 Stationary Shutter

Mount stationary shutter (Fig. 19) to front surface of shutter angle with three (3) .25" x .75" (6.35mm x 19.05mm) self tapping screws and flat washers on each side.

### 1.18. Interference Interlock Mounting

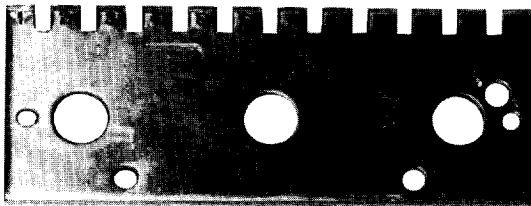


Fig. 20 Interference Interlock Plate

- (a) Mount interference interlock plate (Fig. 20) on .375" x .875" (9.250mm x 22.225mm) studs with three (3) .375" (9.250mm) bolts, with flat washers and lock washers.
- (b) Front surface of interference interlock plate to be 1.940±.125" (49.276±3.175mm) in front of datum "B".
- (c) Top surface of interference interlock plate to be 5.69±.015" (144.526±.381mm) below datum "A".

- (d) Right edge of interference interlock plate to be 16.897" (429.184mm) to the left of datum "C".
- (e) With interference interlock plate bolted in place, drill a .246" (6.25mm) hole through the interference interlock plate and its mounting surface, and drive a .26" x .625" (6.60mm x 15.875mm) roll pin through the hole to permanently set its position.

### 2. Assembly Instructions for Roll-Out Compartment Kits (position "A" or "C")

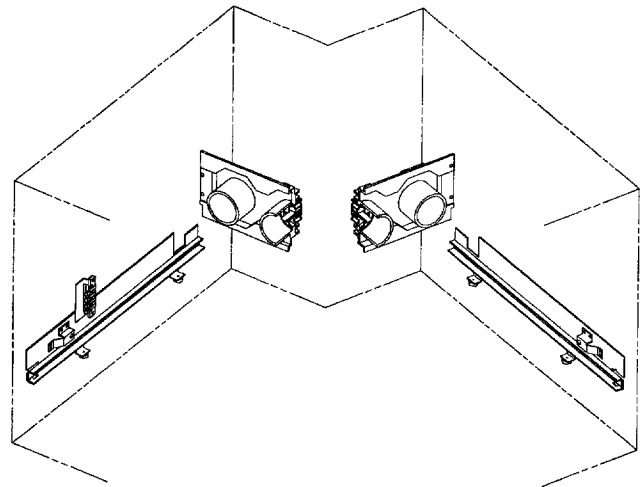


Fig. 21 Roll-Out Compartment Kit (position "A" or "C")

The following procedures are general instructions for assembling medium voltage roll-out compartment kits, position "A" or "C". The basic compartment kit may be supplemented with additional parts for orders with special requirements. Before any installation work is done, review all drawings furnished by the GE for each compartment kit order.

#### 2.1. Roll-out Track Mounting Holes

Drill mounting holes for .25" (6.35mm) diameter self tapping screws at locations shown on 0144D2915 sheet 8.



2.2. Roll-out Track Mounting

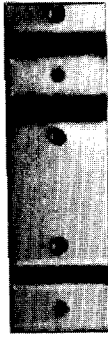


Fig. 22 Track Mounting Bracket

- (a) Mount rear roll-out track mounting bracket (Fig. 22) using .25" x .50" (6.35mm x 12.70mm) self tapping screws in mounting holes at 10.00" (254.00mm) in front of primary mounting surface.

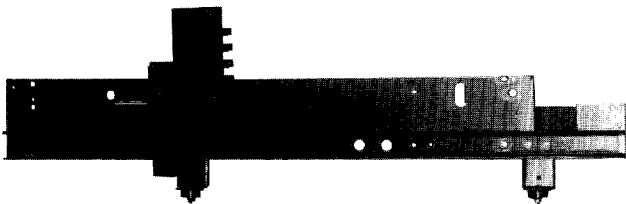


Fig. 23 Left Side Track

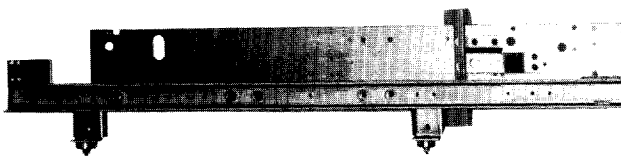


Fig. 24 Right Side Track

- (b) Mount left and right side tracks (Figs. 23 and 24), leaving hardware loose, with two (2) .25" x .75" (6.35mm x 19.05mm) self tapping screws in front of each track. Use one (1) .25" x .75" (6.35mm x 19.05mm) self tapping screw through the track and upper hole in each rear track mounting bracket.
- (c) With a .125" (3.175mm) thick spacer between rear track mounting bracket and track, use one (1) .25" x .75" (6.35mm x 19.05mm) self tapping screw through the track and lower hole in each rear track mounting bracket.



Fig. 25 Track Spacer

- (d) Install one, two, or three track spacers (Fig. 25), as necessary, with four (4) .25" x .125" (6.35mm x 31.75mm) self tapping screws behind both track assemblies.
- (e) With each track at necessary and equal height, tighten the eight (8) .25" (6.35mm) mounting screws in each track assembly.
- (f) Drill a .246" (6.25mm) diameter hole in front of left and right track assemblies through the track and compartment frame, and through the rear of left and right track assemblies and rear track mounting bracket. Insert roll pin through the .246" (6.25mm) diameter holes and drive pins flush with track to set track height.

2.3. Gauging Track Width



Fig. 26 Track Width Gauge

- (a) Using track width gauge, (Fig. 26) adjust width of tracks using shims (Fig. 27).

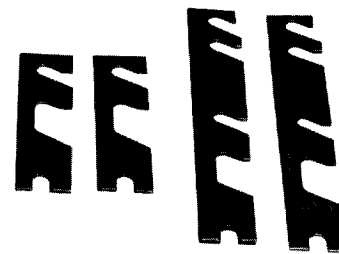
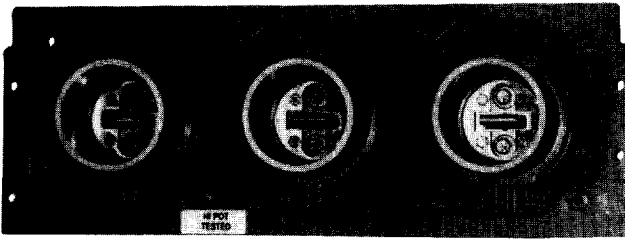


Fig. 27 Track Shims

- (b) To center the breaker in the compartment, install an even number of shims on each side of the compartment. Place shims between track assemblies and inside compartment mounting surfaces, at track mounting hardware locations as necessary to adjust track width to  $29.802 \pm .055$ " ( $756.972 \pm 1.397$ mm), (*this width dimension is critical and must be accurate*). When odd number of shims is required to adjust tracks, install the final odd shim behind rail assembly on left side of compartment.



**2.4. Primary Mounting**



**Fig. 28 Primary Support**

Mount primary (Fig. 28) perpendicular to datum "A" within .030" (.762mm) per 0144D2915 sheet 5. Center line of studs in primary to be 10.938" (277.826mm) above datum "A."

**2.5. Grading Shield Installation Requirements**

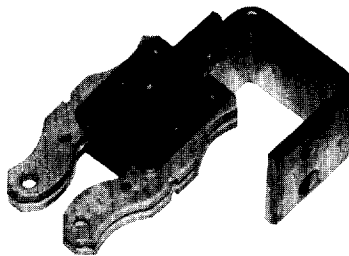


**Fig. 29 Grading Shield**

Grading shields (Fig. 29) are to be mounted on primaries in roll-out compartments when both of the following conditions apply:

- (1) When switchgear rating is 15 KV.
- (2) When riser bus or run backs, bolted to rear of primaries, do not exit the primary at 90 degrees.

**2.6. Ground Finger Assembly Mounting**



**Fig. 30 Ground Finger Assembly**

Mount ground finger assembly (Fig. 30) in rear of compartment so as to make contact with ground shoe (Fig. 31), installed in roll-out tray, when tray is fully connected.



**Fig. 31 Ground Shoe**

**2.7. Grounding Strap Assembly Mounting**



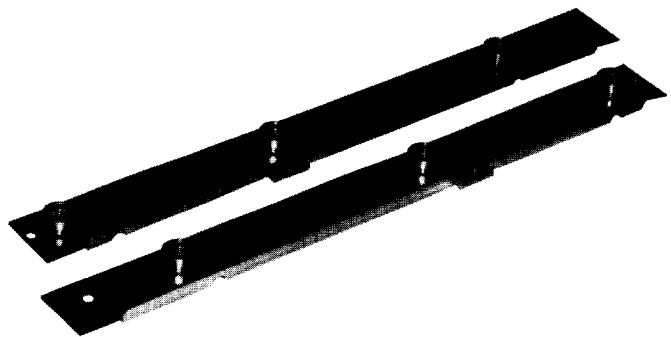
**Fig. 32 Grounding Strap Assembly (long)**

Mount grounding strap assembly (Fig. 32) with two (2) .25" x .50" (6.35mm x 12.70mm) self tapping screws on each side of unit, to make contact with the primary disconnect assemblies in the roll-out tray when tray is in the fully disconnected position.

**2.8. Roll-out Tray Assembly**

The remaining parts are to be used to build the roll-out tray to interface with the roll-out compartment kit.

**2.9. Left and Right Rail (movable)**



**Fig. 33 Movable Left and Right Side Rail**

Movable left and right side rails (Fig. 33) mount on roll-out tray, to interface with roll-out tracks installed in roll-out compartment.

**2.10. Primary Disconnect Assembly**

The primary contact and primary disconnect finger are factory assembled (Fig. 34).

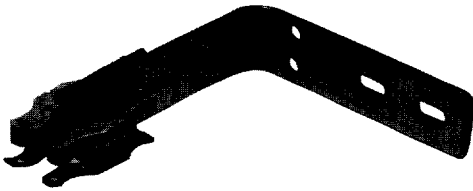


Fig. 34 Primary Disconnect Finger Assembly

**2.11. Secondary Disconnect (movable)**

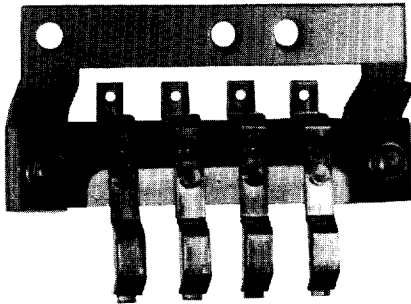


Fig. 35 Secondary Disconnect

Secondary disconnect (Fig. 35) to be mounted on left side of roll-out tray in such a way as to make contact with the stationary secondary disconnect mounted on the left side track (Fig. 33) when tray is in the fully connected position.

**2.12. Ground Shoe**



Fig. 36 Ground Shoe

The ground shoe (Fig. 36) is to be mounted in the bottom, right rear of the roll-out tray so that it will make contact with the ground finger assembly (Fig. 30) when tray is in the fully connected position.

**3. Assembly Instructions for Roll-Out Compartment Kits ("B" position)**

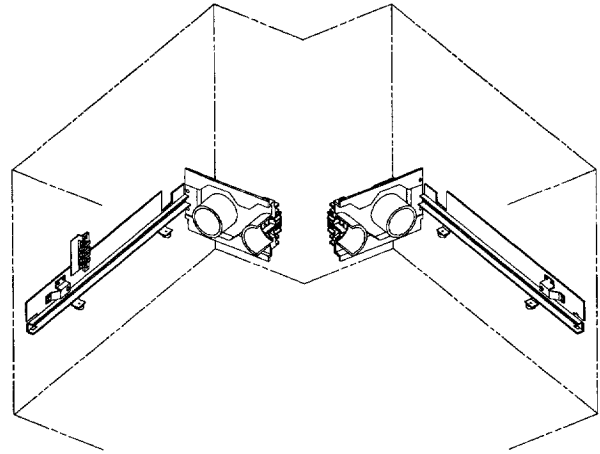


Fig. 37 Roll-Out Compartment Kit (position "B")

The following procedures are general instructions for assembling medium voltage roll-out compartment kits, position "B". The basic compartment kit may be supplemented with additional parts for orders with special requirements. Before any installation work is done, review all drawings furnished by the GE for each compartment kit order.

**3.1. Roll-out Track Mounting Holes**

Drill mounting holes for .25" (6.35mm) diameter self tapping screws at locations shown on 0144D2915 sheet 8.

**3.2. Roll-out Track Mounting**



Fig. 38 Track Mounting Bracket

- (a) Mount rear roll-out track mounting bracket (Fig. 38) using .25" x .50" (6.35mm x 12.70mm)



self tapping screws in mounting holes at 10.00" (254.00mm) in front of primary mounting surface.



Fig. 39 Left Side Track

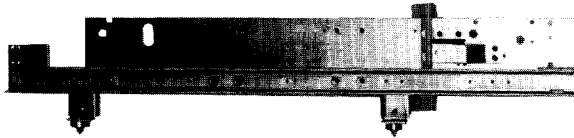


Fig. 40 Right Side Track

- (b) Mount left and right side tracks (Figs. 39 and 40), leaving hardware loose, with two (2) .25" x .75" (6.35mm x 19.05mm) self tapping screws in front of each track. Use one (1) .25" x .75" (6.35mm x 19.05mm) self tapping screw through the track and upper hole in each rear track mounting bracket.
- (c) With a .125" (3.175mm) thick spacer between rear track mounting bracket and track, use one (1) .25" x .75" (6.35mm x 19.05mm) self tapping screw through the track and lower hole in each rear track mounting bracket.



Fig. 41 Track Spacer

- (d) Install one, two, or three track spacers (Fig. 41), as necessary, with four (4) .25" x .1.25" (6.35mm x 31.75mm) self tapping screws behind both track assemblies.
- (e) With each track at necessary and equal height, tighten the eight (8) .25" (6.35mm) mounting screws in each track assembly.
- (f) Drill a .246" (6.25mm) diameter hole in front of left and right track assemblies through the track and compartment frame, and through the rear of left and right track assemblies and rear track mounting bracket. Insert roll pin through the .246" (6.25mm) diameter holes and drive pins flush with track to set track height.

### 3.3. Gauging Track Width



Fig. 42 Track Width Gauge

- (a) Using track width gauge, (Fig. 42) adjust width of tracks using shims (Fig. 43).

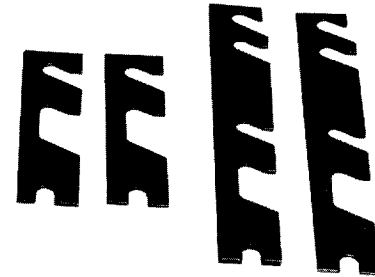


Fig. 43 Track Shims

- (b) To center the breaker in the compartment, install an even number of shims on each side of the compartment. Place shims between track assemblies and inside compartment mounting surfaces, at track mounting hardware locations as necessary to adjust track width to  $29.802 \pm .055$ " ( $756.972 \pm 1.397$ mm), (*this width dimension is critical and must be accurate*). When odd number of shims is required to adjust tracks, install the final odd shim behind rail assembly on left side of compartment.

### 3.4. Primary Mounting

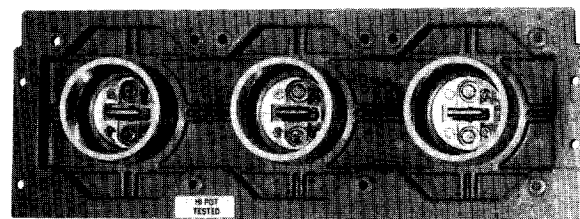


Fig. 44 Primary Support

Mount primary (Fig. 44) perpendicular to datum "A" within .030" (.762mm) per 0144D2915 sheet 5. Center line of studs in primary to be .125" (3.13mm) below datum "A."

**3.5. Grading Shield Installation Requirements**



Fig. 45 Grading Shield

Grading shields (Fig. 45) are to be mounted on primaries in roll-out compartments when both of the following conditions apply:

- (1) When switchgear rating is 15 KV.
- (2) When riser bus or run backs, bolted to rear of primaries, do not exit the primary at 90 degrees.

**3.6. Ground Finger Assembly Mounting**

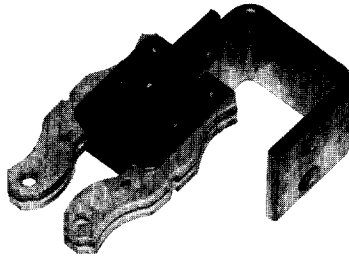


Fig. 46 Ground Finger Assembly

Mount ground finger assembly (Fig. 46) in rear of compartment so as to make contact with ground shoe (Fig 47), installed in roll-out tray, when tray is fully connected.

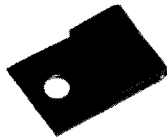


Fig. 47 Ground Shoe

**3.7. Grounding Strap Mounting**



Fig. 48 Grounding Strap Assembly (short)

Mount grounding strap (Fig. 48) so it makes contact with the primary disconnect assemblies in the roll-out tray when tray is in the fully disconnected position.

**3.8. Roll-out Tray Assembly**

The remaining parts are to be used to build the roll-out tray to interface with the roll-out compartment kit.

**3.9. Left and Right Rail (movable)**

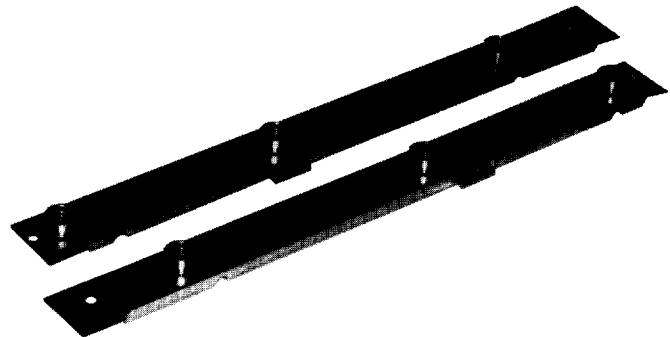


Fig. 49 Movable Left and Right Side Rail

Movable left and right side rails (Figs. 49) mount on roll-out tray, to interface with roll-out tracks installed in roll-out compartment.



### 3.10. Primary Disconnect Assembly

Assemble primary contact and primary disconnect finger are fully assembled from the factory (Fig. 50).

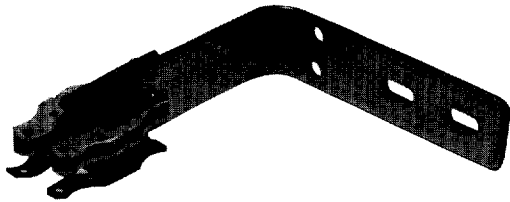


Fig. 50 Primary Disconnect Finger Assembly

### 3.11. Secondary Disconnect (movable)

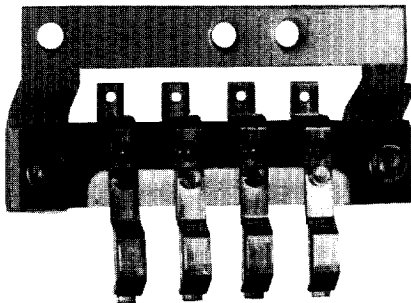


Fig. 51 Secondary Disconnect

Secondary disconnect (Fig. 51) to be mounted on left side of roll-out tray in such a way as to make contact with the stationary secondary disconnect mounted on the left side track (Fig. 49) when the roll-out tray is in the fully connected position.

### 3.12. Ground Shoe



Fig. 52 Ground Shoe

The ground shoe (Fig. 52) is to be mounted in the bottom, right rear of the roll-out tray so that it will make contact with the ground finger assembly (Fig. 46) when the tray is in the fully connected position.

## 4. Assembly Instructions for Fuse Roll-Out Compartment Kits (position "C")

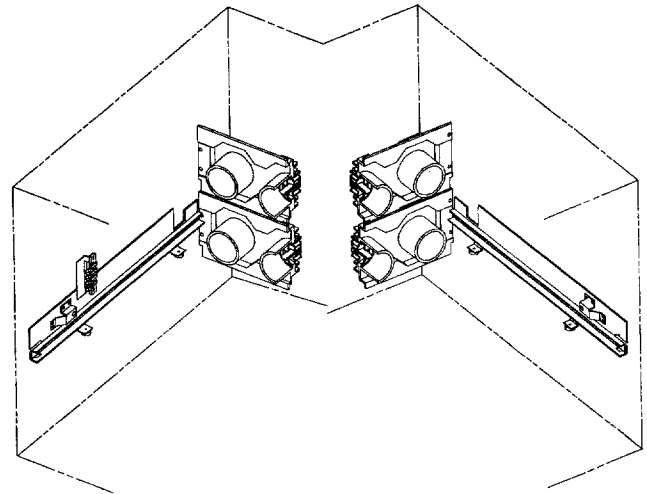


Fig. 53 Fused Roll-Out Compartment Kit (position "C")

The following procedures are general instructions for assembling medium voltage fused roll-out compartment kits, position "C". The basic compartment kit may be supplemented with additional parts for orders with special requirements. Before any installation work is done, review all drawings furnished by the GE for each compartment kit order.

### 4.1. Roll-out Track Mounting Holes

Drill mounting holes for .25" (6.35mm) diameter self tapping screws at locations shown on 0144D2915 sheet 8.

### 4.2. Roll-out Track Mounting



Fig. 54 Track Mounting Bracket

- (a) Mount rear roll-out track mounting bracket (Fig. 54) using .25" x .50" (6.35mm x 12.70mm) self tapping screws in mounting holes at 10.00" (254.00mm) in front of primary mounting surface.



Fig. 55 Left Side Track

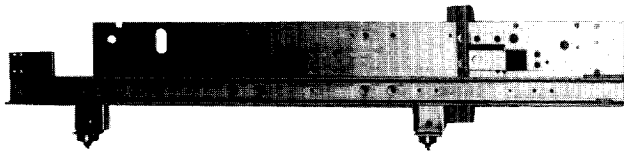


Fig. 56 Right Side Track

- (b) Mount left and right side tracks (Figs. 55 and 56), leaving hardware loose, with two (2) .25" x .75" (6.35mm x 19.05mm) self tapping screws in front of each track. Use one (1) .25" x .75" (6.35mm x 19.05mm) self tapping screw through the track and upper hole in each rear track mounting bracket.
- (c) With a .125" (3.175mm) thick spacer between rear track mounting bracket and track, use one (1) .25" x .75" (6.35mm x 19.05mm) self tapping screw through the track and lower hole in each rear track mounting bracket.

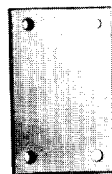


Fig. 57 Track Spacer

- (d) Install one, two, or three track spacers (Fig. 57), as necessary, with four (4) .25" x .125" (6.35mm x 31.75mm) self tapping screws behind both track assemblies.
- (e) With each track at necessary and equal height, tighten the eight (8) .25" (6.35mm) mounting screws in each track assembly.

- (f) Drill a .246" (6.25mm) diameter hole in front of left and right track assemblies through the track and compartment frame, and through the rear of left and right track assemblies and rear track mounting bracket. Insert roll pin through the .246" (6.25mm) diameter holes and drive pins flush with track to set track height.

#### 4.3. Gauging Track Width



Fig. 58 Track Width Gauge

- (a) Using track width gauge, (Fig. 58) adjust width of tracks using shims (Fig. 59).

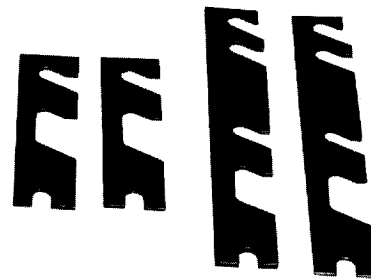


Fig. 59 Track Shims

- (b) To center the breaker in the compartment, install an even number of shims on each side of the compartment. Place shims between track assemblies and inside compartment mounting surfaces, at track mounting hardware locations as necessary to adjust track width to  $29.802 \pm .055$ " (756.972 ± 1.397mm), (*this width dimension is critical and must be accurate*). When odd number of shims is required to adjust tracks, install the final odd shim behind rail assembly on left side of compartment.



#### 4.4. Primary Mounting

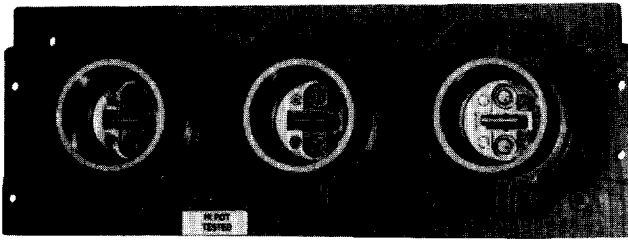


Fig. 60 Primary Support

Mount primary (Fig. 60) perpendicular to datum "A" within .030" (.762mm) per 0144D2915 sheet 6. Center line of upper studs in primary to be 10.938" (277.826mm) above datum "A." Center line of lower studs in primary to be 4.810" (122.12mm) below datum "A".

#### 4.5. Grading Shield Installation Requirements



Fig. 61 Grading Shield

Grading shields (Fig. 61) are to be mounted on primaries in roll-out compartments when both of the following conditions apply:

- (1) When switchgear rating is 15 KV.
- (2) When riser bus or run backs, bolted to rear of primaries, do not exit the primary at 90 degrees.

#### 4.6. Ground Finger Assembly Mounting

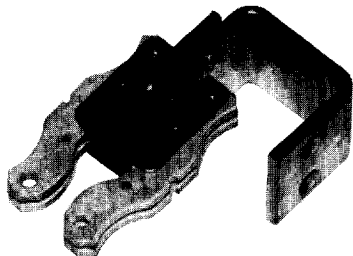


Fig. 62 Ground Finger Assembly

Mount ground finger assembly (Fig. 62) in rear of compartment so as to make contact with ground shoe (Fig. 63), installed in roll-out tray, when tray is fully connected.

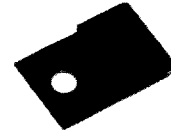


Fig. 63 Ground Shoe

#### 4.7. Grounding Strap Mounting



Fig. 64 Grounding Strap Assembly (long)

Mount grounding strap (Fig. 64) so it makes contact with the primary disconnect assemblies in the roll-out tray when tray is in the fully disconnected position.

#### 4.8. Roll-out Tray Assembly

The remaining parts are to be used to build the roll-out tray to interface with the roll-out compartment kit.

#### 4.9. Left and Right Rail (movable)

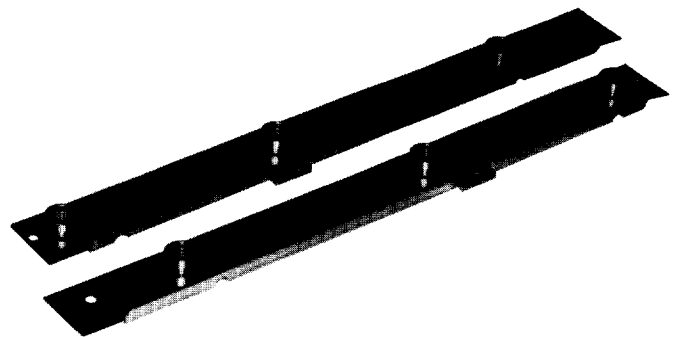


Fig. 65 Movable Left and Right Side Rail

Movable left and right side rails (Fig. 65) mount on roll-out tray, to interface with roll-out tracks installed in roll-out compartment.



#### 4.10. Primary Disconnect Assembly

The primary contact and primary disconnect finger arrive from the factory fully assembled (Fig. 66).

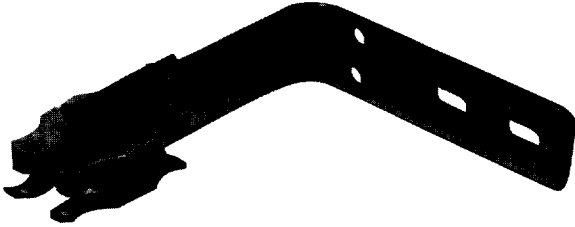


Fig. 66 Primary Disconnect Finger Assembly

#### 4.11. Secondary Disconnect (movable)

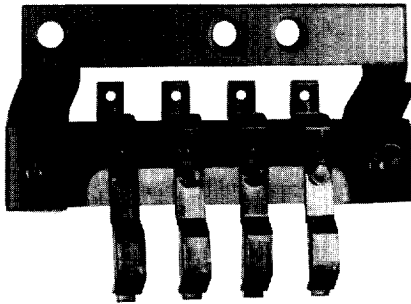


Fig. 67 Secondary Disconnect

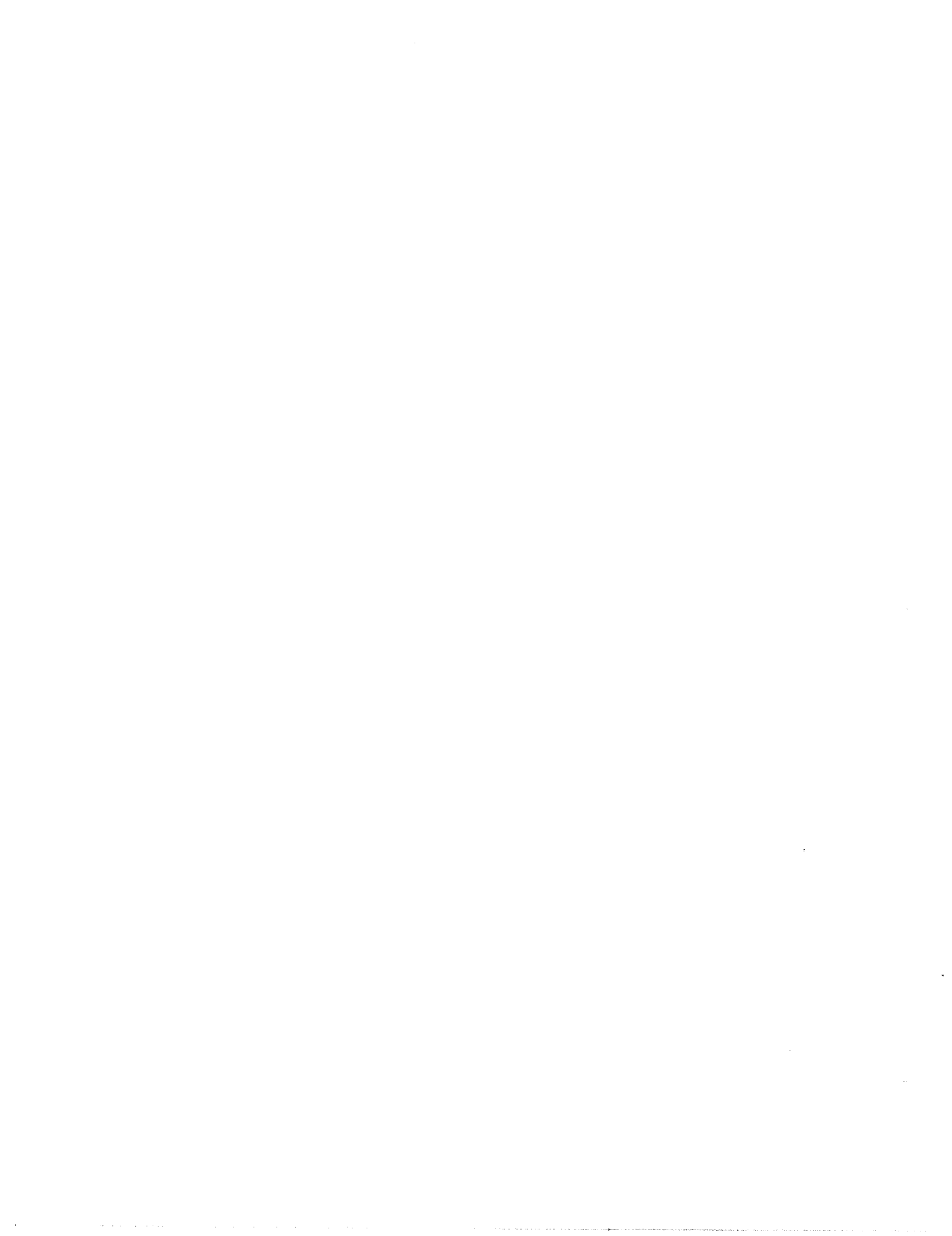
Secondary disconnect (Fig. 67) to be mounted on left side of roll-out tray in such a way as to make contact with the stationary secondary disconnect mounted on the left side track (Fig. 65) when the roll-out tray is in the fully connected position.

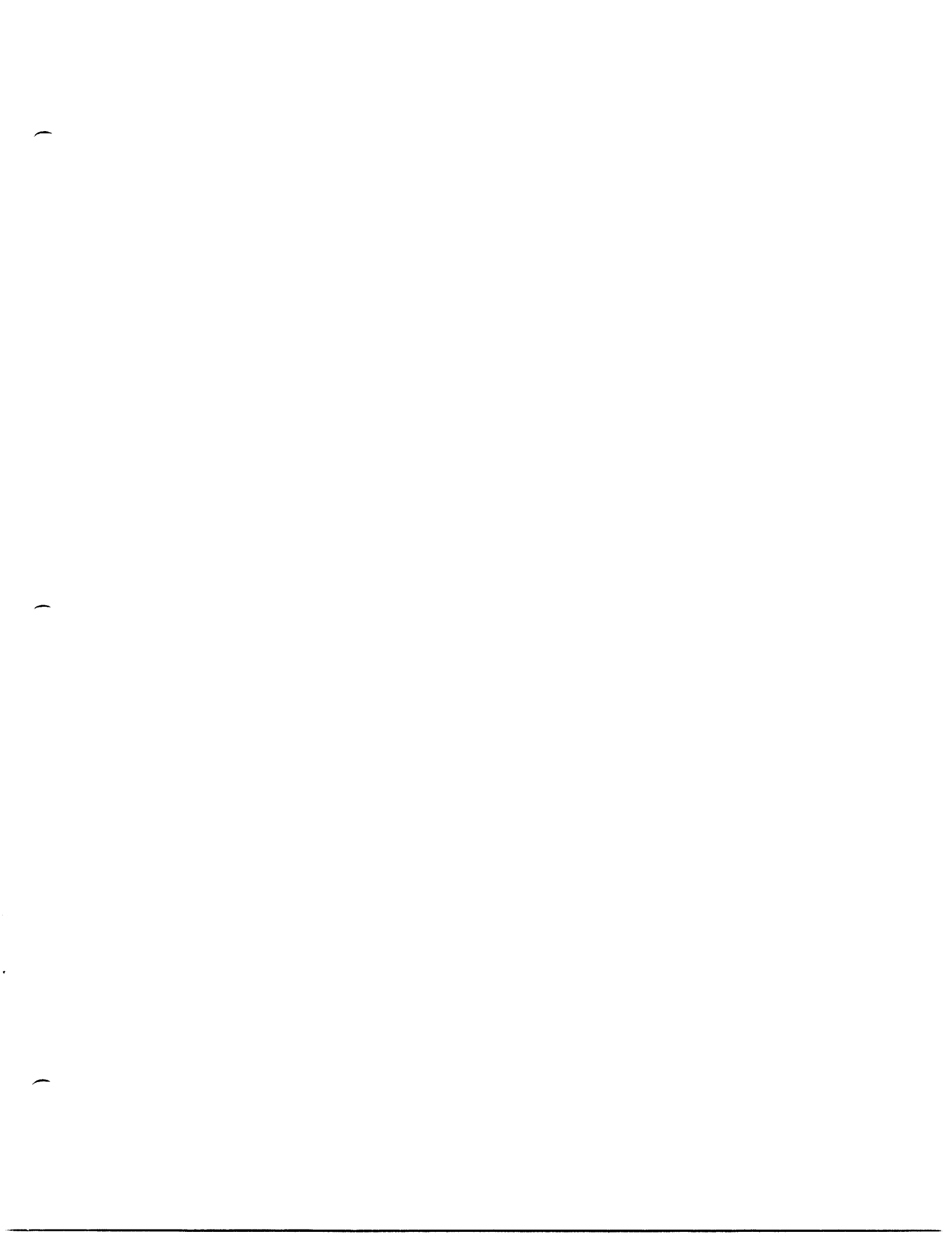
#### 4.12. Ground Shoe



Fig. 68 Ground Shoe

The ground shoe (Fig. 68) is to be mounted in the bottom, right rear of the roll-out tray so that it will make contact with the ground finger assembly (Fig. 62) when the tray is in the fully connected position.







***GE Electrical Distribution and Control***

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