



# N-R-G-FLOOR<sup>+</sup> TAPMATE 6 PRESET

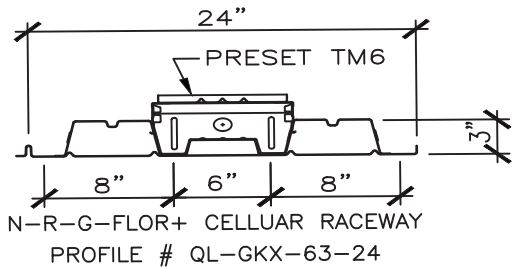
INNOVATIVE FLOOR SOLUTIONS<sup>®</sup>

## ACTIVATION INSTALLATION MANUAL TAPMATE 6 SERIES

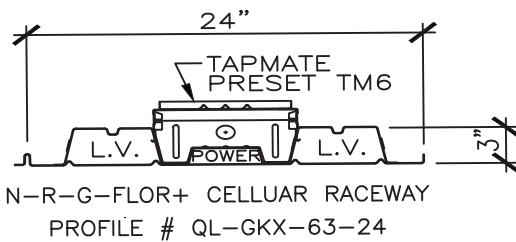
envision | design | support | expand | strengthen

# PREFACE

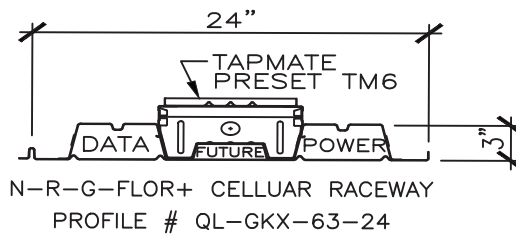
This manual has been prepared to assist in the installation of activation components within the Tapmate 6 (TM-6) Preset outlet box. If you have any questions prior to or during the installation process contact: Cordeck at 877-857-6400; [infloorsystems@cordeck.com](mailto:infloorsystems@cordeck.com).



## Tapmate 6 Present ~ 2019 - Current



## Center Power Design ~ Large outboard cells contain low voltage cables ~ Small center cell contains power wires



## Side Power Design ~ One large outboard cell contains low voltage cables ~ One large outboard cell contains power wires ~ Small center cell may contain either low voltage or power

Cordeck provides a Systems Operation Manuel containing “AS BUILT DRAWINGS” to the owner at the completion of each project. Referencing the information within the manual may be helpful prior to and during moves, changes & renovations. “As Built Drawings” will contain the locations of raceways, presets, trench runs and risers as well as details specific to each project.

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# TAPMATE 6 PROTECTIVE CAP LOCATE & REMOVAL

**NOTE:** Proper OSHA Approved Personal Protection Equipment must be worn to avoid injury to self or others while the following work is being performed.

1. Locate center of Preset Insert Box in the concrete floor. Several types of Digital Floor Material Scanners (may or may not be supplied by Cordeck) are suitable for locating the box position.

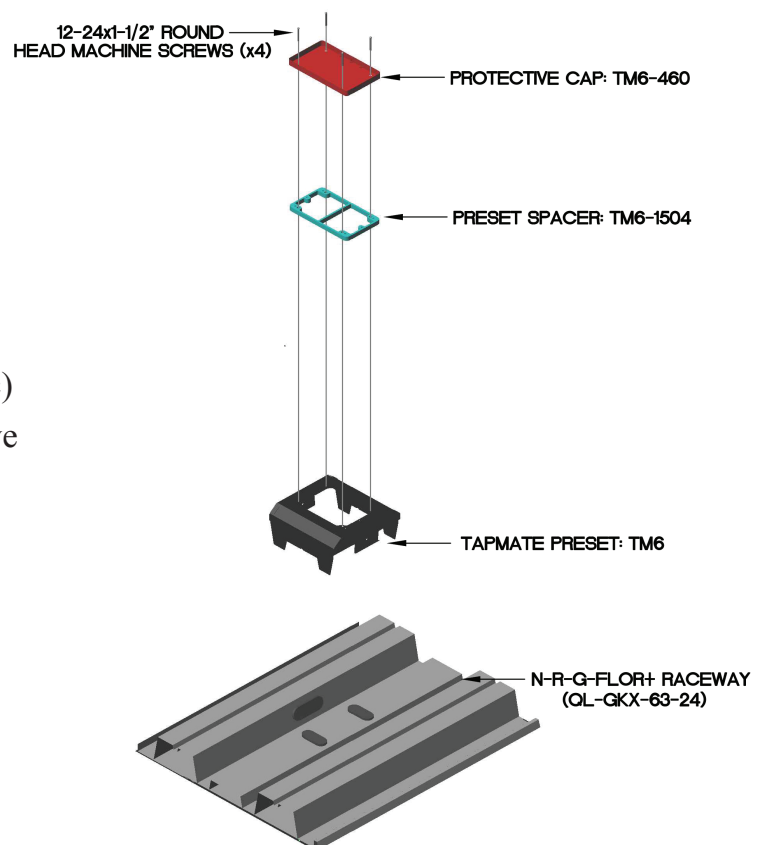
If carpet is already in place, make a channel shaped cut measuring 6” for the top and bottom and 12” for the connecting web. The 12” long connecting web cut is to be located parallel and 3” to one (1) side of the longitudinal axis of the Preset Insert Box such that the Preset Insert Box is located in the center of the cut area. Fold back the carpet flap just formed and weight it down so that it is out of the way.

For tile floors, remove enough tile in the area of the Preset Insert box to allow concrete breakout. Broken floor tiles will need to be replaced.

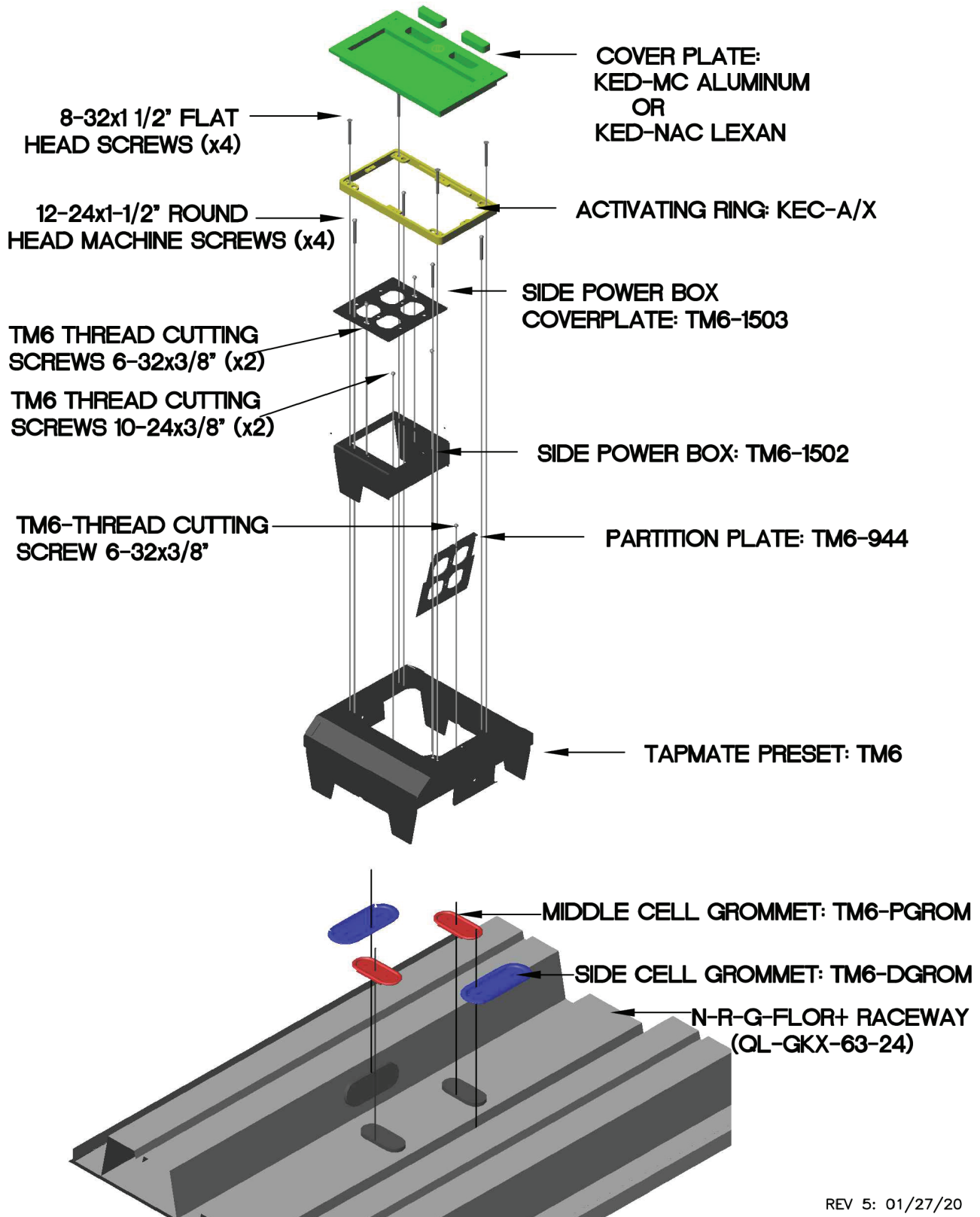
2. Using a hammer and cold chisel, break away concrete to expose the protective cap mounted to the top of the Preset Insert Box with two (2) screws at each end. Fully expose the protective cap and mounting screws.

3. Vacuum away all concrete debris generated from breaking out concrete so that debris does not fall into Preset Insert Box when opened.

4. Remove the protective cap and discard. Several sharp blows to the cap may aid in loosening it from the surrounding concrete. If there is an ABS (plastic) filler spacer located under the protective cap, remove it also and discard. Interior of the Preset Insert Box will now be exposed to view. Vacuum the interior of the Preset Insert Box.



# POINT OF USE - SIDE POWER ASSEMBLY A

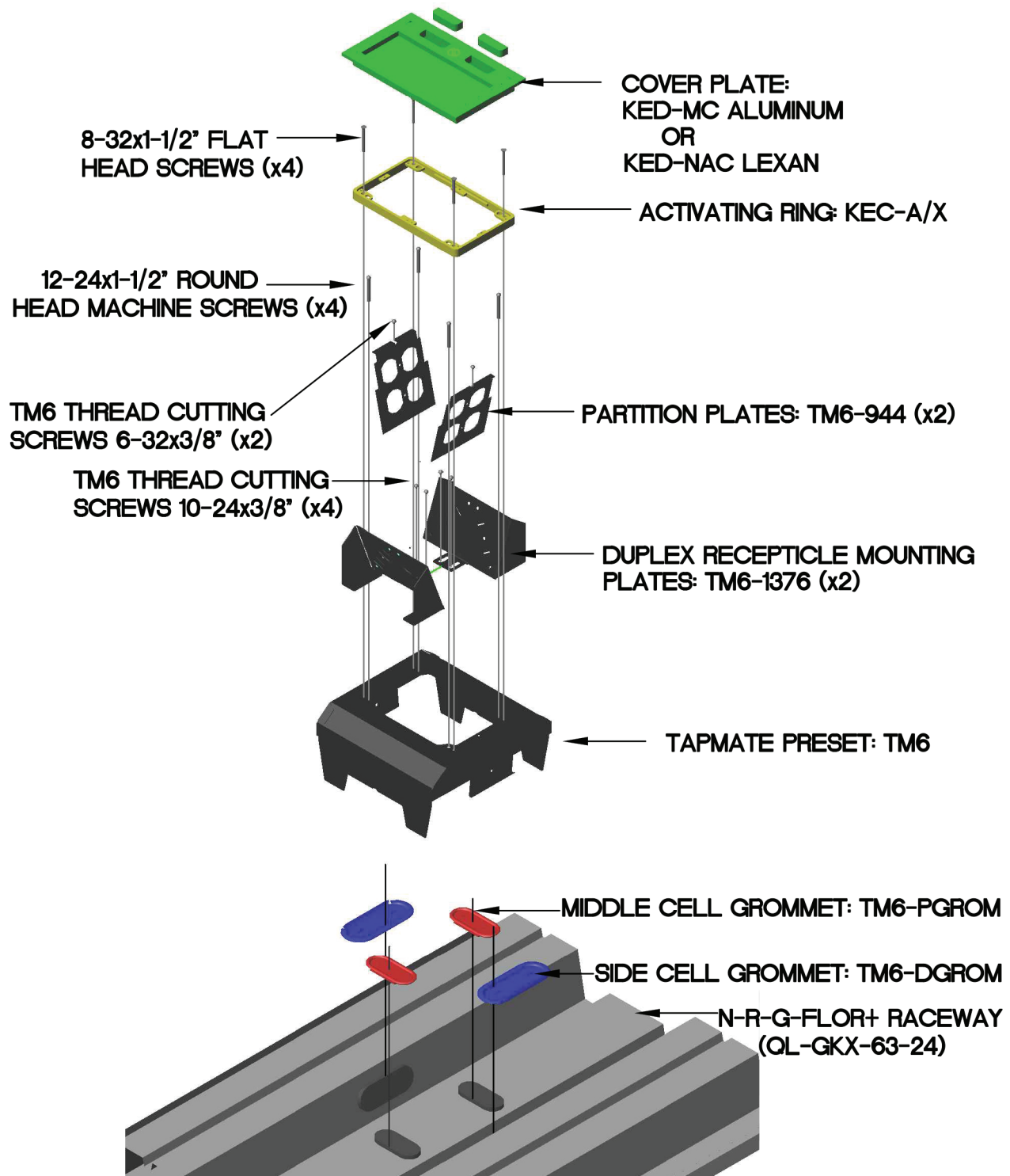


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# POINT OF USE - SIDE POWER ASSEMBLY A

1. Punch out the center insert of two (2) Side Cell Grommets (TM6-DGROM) and install them in the outer raceway oval holes.
2. Install two (2) Middle Cell Grommets (TM6-PGROM) in the middle raceway oval holes. **DO NOT** punch out center insert of the Grommet.
3. Fish wires through the outer raceway holes leaving sufficient length to easily make connections outside the Preset Insert Box.
4. Pull power wires through the Side Power Box (TM6-1502) and secure with two (2) furnished 10 - 24 X 3/8 thread cutting screws using pre-punched holes in raceway. Remove knockouts from the Side Power Cover Plate (TM6-1503), wire duplex receptacles (furnished by others), attach receptacles to Side Power Box Cover Plate (TM6-1503), neatly tuck wires into Side Power Box (TM6-1502) and secure Side Power Box Cover Plate (TM6-1503) with two (2) furnished 6 - 32 X 3/8" thread cutting screws.
5. Connect low voltage devices to cables, remove knockouts from Partition Plate (TM6-944), attach device frames to Partition Plate, locate Partition Plate vertically and secure it with one (1) furnished 6 - 32 x 3/8" thread cutting screws using pre-punched hole in the Preset Outlet Box.
6. Inspect installation to ensure all components are tight and no wires are pinched or exposed to view.
7. Install four (4) furnished 12 - 24 x 1-1/2" round head machine screws in the inner most holes in the corners of the Preset Insert Box. Drive screws until top of heads are approximately 1/2 in. below concrete floor surface.
8. Place the Activating Ring (KEC-A/X) over the box cavity making certain the four (4) large clearance holes are directly over the four (4) round head machine screws. Place four (4) furnished 8 - 32 x 1-1/2" flat head screws into the four (4) countersunk holes in the corners of the Activating Ring (KEC-A/X). Do not drive tight. Turn the round head machine screws until the Activating Ring (KEC-A/X) is 0.1 inches below the concrete floor Elevation and is evenly supported without rocking. Tighten the four (4) 8 - 32 x 1-1/2" flat head screws to secure the Activating Ring (KEC-A/X) in final position.
9. Check elevation of the Activation Ring (KEC-A/X) and verify height is correct for the Activation Cover (KED-MC) and floor covering specified prior to grouting. Fill the void between the Activating Ring (KEC-A/X) and the edge of the concrete floor with grout (furnished by others). For tile application a flange gasket is used with the Activation Cover (KED-MC). Height of Activation Ring (KEC-A/X) must be such that Cover flange slightly compresses the gasket to form a seal against the floor tile.
10. Complete the activation by installing the specified Activation Cover.

# POINT OF USE - CENTER POWER ASSEMBLY B

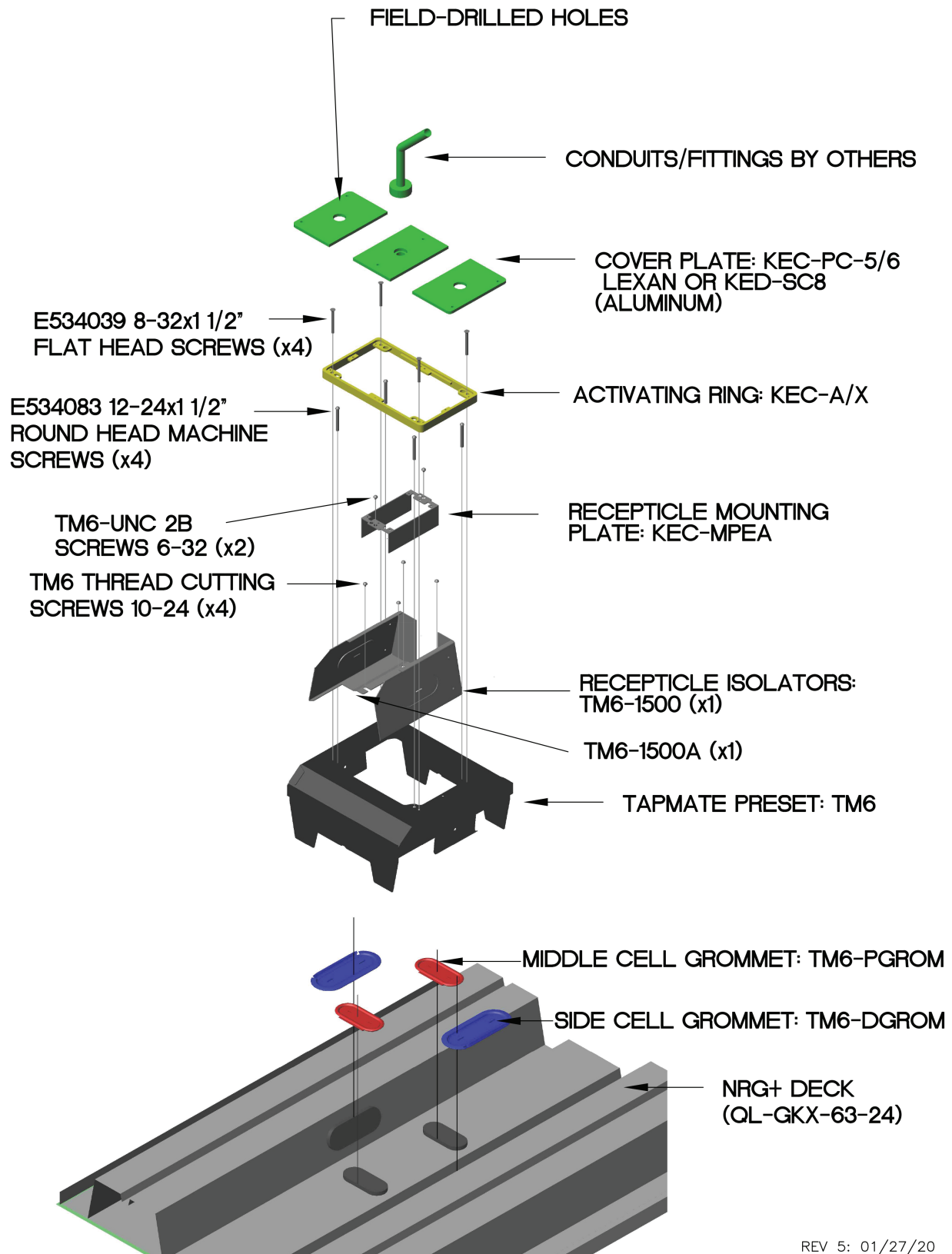


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# POINT OF USE - CENTER POWER ASSEMBLY B

1. Punch out the center insert of two (2) Side Cell Grommets (TM6-DGROM) and install them in the outer raceway oval holes.
2. Punch out the center insert of two (2) Middle Cell Grommets (TM6-PGROM) and install them in the middle raceway oval holes.
3. Fish wires through the raceway holes leaving sufficient length to easily make connections outside the Preset Insert Box.
4. Remove knockouts from the two (2) Duplex Receptacle Mounting Plates (TM6-1376), wire duplex receptacles (furnished by others), attach receptacles to Duplex Receptacle Mounting Plates (TM6-1376), neatly tuck wires and secure Duplex Receptacle Mounting Plates (TM6-1376) with four (4) furnished 10 - 24 x 3/8" thread cutting screws.
5. Connect low voltage devices to cables, remove knockouts from two (2) Partition Plates (TM6-944), attach device frames to Partition Plates, locate Partition Plates vertically and secure with two (2) furnished 6 - 32 x 3/8" thread cutting screws using pre-punched hole in the Preset Outlet Box.
6. Inspect installation to ensure all components are tight and no wires are pinched or exposed to view.
7. Install four (4) furnished 12 - 24 x 1-1/2" round head machine screws in the inner most holes in the corners of the Preset Insert Box. Drive screws until top of heads are approximately 1/2 in. below concrete floor surface.
8. Place the Activating Ring (KEC-A/X) over the box cavity making certain the four (4) large clearance holes are directly over the four (4) round head machine screws. Place four (4) furnished 8 - 32 x 1-1/2" flat head screws into the four (4) countersunk holes in the corners of the Activating Ring (KEC-A/X). Do not drive tight. Turn the round head machine screws until the Activating Ring (KEC-A/X) is 0.1 inches below the concrete floor elevation and is evenly supported without rocking. Tighten the four (4) 8 - 32 x 1-1/2" flat head screws to secure the Activating Ring (KEC-A/X) in final position.
9. Check elevation of the Activation Ring (KEC-A/X) and verify height is correct for the Activation Cover (KED-MC) and floor covering specified prior to grouting. Fill the void between the Activating Ring (KEC-A/X) and the edge of the concrete floor with grout (furnished by others). For tile application a flange gasket is used with the Activation Cover (KED-MC). Height of Activation Ring (KEC-A/X) must be such that Cover flange slightly compresses the gasket to form a seal against the floor tile.
10. Complete the activation by installing the specified Activation Cover.

# PARTITION FEED - CENTER POWER ASSEMBLY C



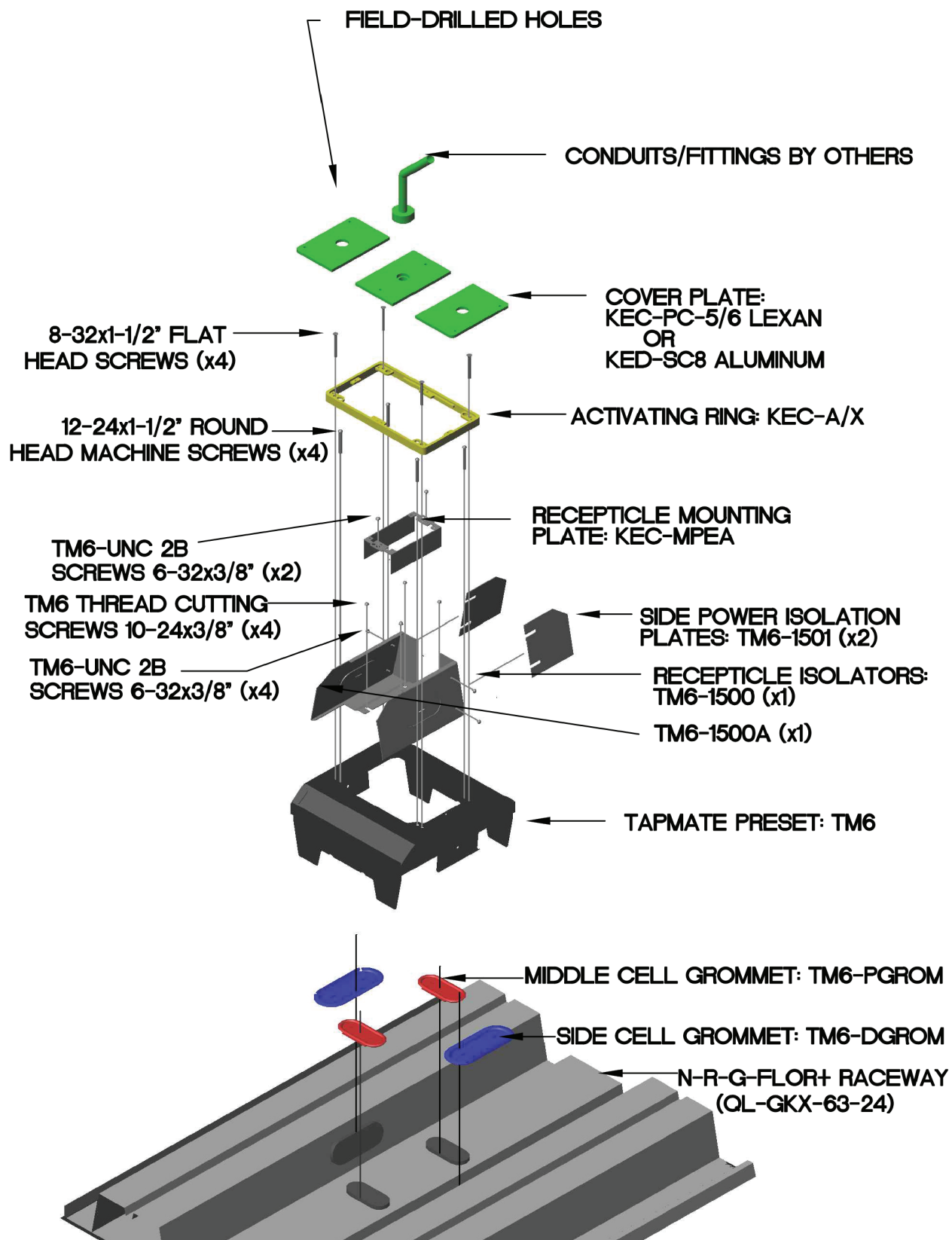
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# PARTITION FEED - CENTER POWER ASSEMBLY C

1. Punch out the center insert of two (2) Side Cell Grommets (TM6-DGROM) and install them in the outer raceway oval holes.
2. Punch out the center insert of ONLY ONE (1) middle cell grommet (TM6-PGROM) and install it in the middle cell raceway hole being used for wire egress. Install one (1) middle cell grommet (do not punch out center of grommet) in the second raceway hole
3. Fish wires through the raceway holes leaving sufficient length to easily make connections outside the Preset Insert Box.
4. Secure one (1) Receptacle Isolators (TM6-1500) with two (2) furnished 10 - 24 x 3/8" thread cutting screws using pre-punched holes in raceway. Secure one (1) Receptacle Isolators (TM6-1500A) with two (2) furnished 10 - 24 x 3/8" thread cutting screws using pre-punched holes in raceway. Pull power wires through the Receptacle Isolators (TM6-1500 & TM6-1500A).
5. Install four (4) furnished 12 - 24 x 1-1/2" round head machine screws in the inner most holes in the corners of the Preset Insert Box. Drive screws until top of heads are approximately 1/2 in. below concrete floor surface.
6. Place the Activating Ring (KEC-A/X) over the box cavity making certain the four (4) large clearance holes are directly over the four (4) round head machine screws. Place four (4) furnished 8-32 x 1-1/2 flat head screws into the four (4) countersunk holes in the corners of the Activating Ring (KEC-A/X). Do not drive tight. Turn the round head machine screws until the Activating Ring (KEC-A/X) is 0.1 inches below the concrete floor elevation and is evenly supported without rocking. Tighten the four (4) 8 - 32 x 1-1/2" flat head screws to secure the Activating Ring (KEC-A/X) in final position.
7. Check elevation of the Activation Ring (KEC-A/X) and verify height is correct for the Activation Cover (KEC-PC-5/6 or KED-SC8) and floor covering specified prior to grouting. Fill the void between the Activating Ring (KEC-A/X) and the edge of the concrete floor with grout (furnished by others). For tile application a flange gasket is used with the Activation Cover (KEC-PC-5/6). Height of Activation Ring (KEC-A/X) must be such that Cover flange slightly compresses the gasket to form a seal against the floor tile.
8. Pull power wires through Receptacle Mounting Plate (KEC-MPEA) and secure Receptacle Mounting Plate (KEC-MPEA) to cast tabs in the Activation Ring using two (2) furnished 6 - 32 x 3/8" thread cutting screws
9. Inspect installation to ensure all components are tight and no wires are pinched or exposed to view.
10. Complete the activation by installing the specified Activation Cover.
11. Field drill holes and install conduits and fittings as required.

# PARTITION FEED - SIDE POWER ASSEMBLY D



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# PARTITION FEED - SIDE POWER ASSEMBLY D

1. Punch out the center insert of two (2) Side Cell Grommets (TM6-DGROM) and install them in the outer raceway oval holes.
2. Install two (2) Middle Cell Grommets (TM6-PGROM) in the middle raceway oval holes. **DO NOT** punch out center insert of the grommet.
3. Fish wires through the raceway holes leaving sufficient length to easily make connections outside the Preset Insert Box.
4. Attach two (2) Side Power Isolation Plates (TM6-1501) to two (2) Receptacle Isolators (TM6-1500) using four (4) furnished 6 - 32 x 3/8" thread cutting screws. Do not fully tighten screws at this point.
5. Secure one (1) Receptacle Isolator (TM6-1500) with two (2) furnished TM6-thread cutting screws 10-24 using pre-punched holes in raceway. Secure one (1) Receptacle Isolator (TM6-1500A) with two (2) furnished 10 - 24 x 3/8" thread cutting screws using pre-punched holes in raceway. Pull power wires through the Receptacle Isolator (TM6-1500 & TM6-1500A).
6. Extend the two (2) Side Power Isolation Plates (TM6-1501) until tight to the Preset Insert Box and fully tighten each attachment screw.
7. Install four furnished 12-24 x 1-1/2" round head machine screws in the inner most holes in the corners of the Preset Insert Box. Drive screws until top of heads are approximately 1/2 in. below concrete floor surface.
8. Place the Activating Ring (KEC-A/X) over the box cavity making certain the four (4) large clearance holes are directly over the four (4) round head machine screws. Place the four (4) 8-32 x 1-1/2" flat head screws into the four (4) countersunk holes in the corners of the Activating Ring (KEC-A/X). **DO NOT** drive tight. Turn the round head machine screws until the Activating Ring (KEC-A/X) is 0.1 inches below the concrete floor elevation and is evenly supported without rocking. Tighten the four (4) 8-32 x 1-1/2" flat head screws to secure the Activating Ring (KEC-A/X) in final position.
9. Check elevation of the Activation Ring (KEC-A/X) and verify height is correct for the Activation Cover (KEC-PC-5/6 or KED-SC8) and floor covering specified prior to grouting. Fill the void between the Activating Ring (KEC-A/X) and the edge of the concrete floor with grout (furnished by others). For tile application a flange gasket is used with the Activation Cover (KEC-PC-5/6). Height of Activation Ring (KEC-A/X) must be such that Cover flange slightly compresses the gasket to form a seal against the floor tile.
10. Pull power wires through Receptacle Mounting Plate (KEC-MPEA) and secure Receptacle Mounting Plate (KEC-MPEA) to cast tabs in the Activation Ring using two (2) furnished 6 - 32 x 3/8" thread cutting screws.
11. Inspect installation to ensure all components are tight and no wires are pinched or exposed to view.
12. Complete the activation by installing the specified Activation Cover (KEC-PC-5/6 or KED-SC8).
13. Field drill holes and install conduits and fittings as required.

# COVER PLATE INSTALLATION KED-MC

## COVER PLATE INSTALLATION – CARPET ONLY

### COMPONENTS

#### **KED-MC Aluminum Cover Assembly with Screws**

### INSTALLATION

1. Remove four (4) previously installed 8 - 32 x 1-1/2” flat head screws from the KEC-A/X activating ring. Position the KED-MC aluminum cover assembly flange ring over the activation ring, install and tighten four (4) 8 - 32 x 1-1/2” flat head screws.
2. Connect power and data devices. Install center cover plate and fasten with locking screw.
3. Install carpet in center cover plate depression.

### OPTIONAL COMPONENTS FOR NON-CARPET AREAS

### COMPONENTS

2 Each KEC-NF Neoprene Gasket

### INSTALLATION

Remove four (4) previously installed 8 - 32 x 1-1/2” flat head screws from the activating ring. Place one (1) KEC-NF Gasket on the underside of the flange ring and one (1) KEC-NF Gasket between the flange ring and activation ring and position the KED-MC flange ring over the activating ring. Make sure the flange ring is seated on the gasket and compresses onto the hard finish floor surface. Install and tighten four (4) 8 - 32 x 1-1/2” flat head screws.

*Return to step 2 above*

#### **COVER PLATE PART NUMBERS**

##### **Powder Coated**

KED-MC Black Satin  
KED-MC Brushed Nickel  
KED-MC Charcoal  
KED-MC Oil Rubbed Bronze

##### **Anodized**

KED-MC Silver  
KED-MC Bronze



# COVER PLATE INSTALLATION KED-NAC

## COVER PLATE INSTALLATION – CARPET ONLY

### COMPONENTS

#### **KED-NAC Lexan Cover Assembly with Screws**

### INSTALLATION

1. Remove four (4) previously installed 8 - 32 x 1-1/2” flat head screws from the KEC-A/X activating ring. Position the KED-NAC Lexan cover assembly flange ring over the activation ring, install and tighten four (4) 8 - 32 x 1-1/2” flat head screws.
2. Connect power and data devices. Install center cover plate and fasten with locking screw.
3. Install carpet in center cover plate depression.

## OPTIONAL COMPONENTS FOR NON-CARPET AREAS

### COMPONENTS

2 Each KEC-NF Neoprene Gasket

### INSTALLATION

Remove four (4) previously installed 8 - 32 x 1-1/2” flat head screws from the activating ring. Place one (1) KEC-NF Gasket on the underside of the flange ring and one (1) KEC-NF Gasket between the flange ring and activation ring and position the KED-NAC flange ring over the activating ring. Make sure the flange ring is seated on the gasket and compresses onto the hard finish floor surface. Install and tighten four (4) 8 - 32 x 1-1/2” flat head screws.

*Return to step 2 above*

## COVER PLATE PART NUMBERS

KED-NAC Black

KED-NAC Brown

KED-NAC Gray



# COVER PLATE INSTALLATION KED-SC8

COVER PLATE INSTALLATION – CARPET ONLY

COMPONENTS

## **KED-SC8 Three Piece Aluminum Cover with Screws**

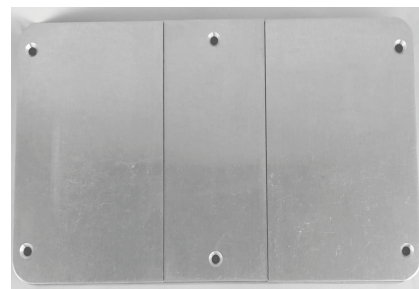
INSTALLATION

1. Field drill the covers to the appropriate size to accept conduit fittings furnished by others. Make the connections and secure the cover to the KED-A/X Activating Ring. At this time the top of the cover is to be flush with the concrete. Fold the carpet into position and neatly trim it around the fittings so it will lay flat. If required self adhesive carpet tape may be used to secure the edges.

## **COVER PLATE PART NUMBERS**

**Mill Finished Aluminum**

KED-SC8



# COVER PLATE INSTALLATION KEC-PC-5/6

## COVER PLATE INSTALLATION – CARPET ONLY

### COMPONENTS

#### **KEC-PC-5/6 Three Piece Lexan Cover with Screws**

### INSTALLATION

1. Field drill the covers to the appropriate size to accept conduit fittings furnished by others. Make the connections and secure the cover to the KED-A/X Activating Ring. At this time the top of the cover is to be flush with the concrete. Fold the carpet into position and neatly trim it around the fittings So it will lay flat. If required self adhesive carpet tape may be used to secure the edges.

### OPTIONAL COMPONENTS FOR NON-CARPET AREAS

### COMPONENTS

KED-FR-P Lexan Flange Ring  
KEC-NF Neoprene Gasket

### INSTALLATION

Remove four (4) previously installed 8 - 32 x 1-1/2” flat head screws from the activating ring. Place the KEC-NF Gasket on the underside of the flange ring and position the KED-FR-P Flange Ring over the activating ring. Make sure the flange ring is seated on the gasket and compresses onto the hard finish floor surface. Install and tighten four (4) 8 - 32 x 1-1/2” flat head screws.

*Return to step 1 above*

### COVER PLATE PART NUMBERS

KEC-PC5 Black	KEC-PC6 Black
KEC-PC5 Brown	KEC-PC6 Brown
KEC-PC5 Gray	KEC-PC6 Gray



# PARTS IDENTIFICATION

## Tapmate 6 Assembly A

KED-MC	Cover Plate Aluminum
KED-NAC	Cover Plate Lexan
KEC-A/X	Activating Ring
TM6-1503	Side Power Box Cover Plate
TM6-1502	Side Power Box
TM6-944	Partition Plate
TM6	Tapmate Preset
TM6-PGROM	Middle Cell Grommet
TM6-DGROM	Side Cell Grommet
QL-GKX-63-24	N-R-G-FLOOR+ Deck
E534039	8-32 x 1-1/2" Flat Head Screws
E534083	12-24 x 1-1/2" Round Head Machine Screws
E534007	6-32 x 3/8" Thread Cutting Screws
TM6 Thread Cutting Screw 10-24	3/8" Thread Cutting Screws

## Tapmate 6 Assembly B

KED-MC	Cover Plate Aluminum
KED-NAC	Cover Plate Lexan
KEC-A/X	Activating Ring
TM6-944	Partition Plate
TM6-1376	Duples Receptacle Mounting Plates
TM6	Tapmate Preset
TM6-PGROM	Middle Cell Grommet
TM6-DGROM	Side Cell Grommet
QL-GKX-63-24	N-R-G-FLOOR+ Deck
E534039	8-32 x 1-1/2" Flat Head Screws
E534083	12-24 x 1-1/2" Round Head Machine Screws
E534007	6-32 x 3/8" Thread Cutting Screws
TM6 Thread Cutting Screw 10-24	3/8" Thread Cutting Screws

## Tapmate 6 Assembly C

KEC-PC-5/6	Cover Plate Lexan
KED-SC8	Cover Plate Aluminum
KEC-A/X	Activating Ring
KEC-MPEA	Receptacle Mounting Plate
TM6-1500	Receptacle Isolators
TM6-1500A	Receptacle Isolators
TM6	Tapmate Preset
TM6-PGROM	Middle Cell Grommet
TM6-DGROM	Side Cell Grommet
QL-GKX-63-24	N-R-G-FLOOR+ Deck
E534039	8-32 x 1-1/2" Flat Head Screws
E534083	12-24 x 1-1/2" Round Head Machine Screws
E534004	6-32 x 3/8" Undercut 2B Thread Cutting Screws
TM6 Thread Cutting Screw 10-24	3/8" Thread Cutting Screws

## Cover Plates

### KED-MC Aluminum Cover Assembly with Screws

Powder Coated	Anodized
KED-MC Black Satin	KED-MC Silver
KED-MC Brushed Nickel	KED-MC Bronze
KED-MC Charcoal	
KED-MC Oil Rubbed Bronze	

### KED-SC8 Three Piece Aluminum Cover with Screws

#### Mill Finished Aluminum

KED-SC8

### KED-NAC Lexan Cover Assembly with Screws

KED-NAC Black  
KED-NAC Brown  
KED-NAC Gray

### KEC-PC 5/6 Three Piece Lexan Cover with Screws

KEC-PC5 Black      KEC-PC6 Black  
KEC-PC5 Brown      KEC-PC6 Brown  
KEC-PC5 Gray      KEC-PC6 Gray

## Tapmate 6 Assembly D

KEC-PC-5/6	Cover Plate Lexan
KED-SC8	Cover Plate Aluminum
KEC-A/X	Activating Ring
KEC-MPEA	Receptacle Mounting Plate
TM6-1501	Side Power Isolation Plates
TM6-1500	Receptacle Isolators
TM6-1500A	Receptacle Isolators
TM6	Tapmate Preset
TM6-PGROM	Middle Cell Grommet
TM6-DGROM	Side Cell Grommet
QL-GKX-63-24	N-R-G-FLOOR+ Deck
E534039	8-32 x 1-1/2" Flat Head Screws
E534083	12-24 x 1-1/2" Round Head Machine Screws
E534004	6-32 x 3/8" Undercut 2B Thread Cutting Screws
TM6 Thread Cutting Screw 10-24	3/8" Thread Cutting Screws

## Optional Components

KED-FR-P Lexan Flange Ring  
KED-NF Neoprene Gasket



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