

INTEX[®]
MILLWORK SOLUTIONS

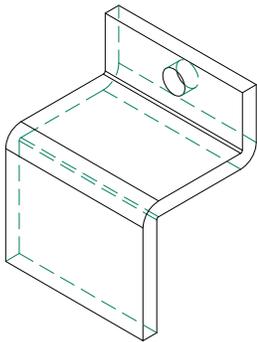
Part # GBKTSET

Intex Gutter System

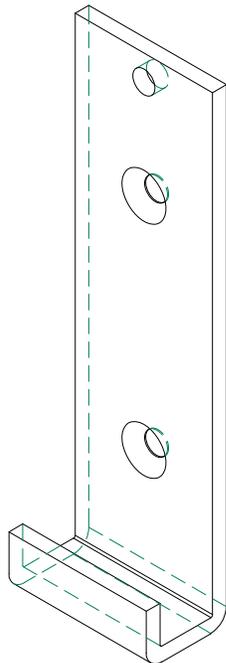
Assembly Instructions and
Parts List for Hanger
Bracket

Hanger Bracket Kit Includes:

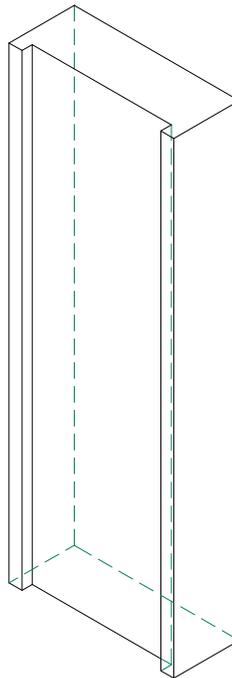
- (8) PVC Bracket Pack-outs (Item A)
- (8) Hanger Bracket (Item B)
- (8) Hanger Bracket Clip (Item C)
- (16) #10 X 3" Flat Head Square Drive Screws (Item D)
- (8) #10 X 3" Hex Head Stainless Steel Screws (Item E)



ITEM C
HANGER
BRACKET
CLIP



ITEM B
HANGER BRACKET



ITEM A
PVC BRACKET
PACK-OUTS



ITEM E
#10 X 3" HEX
HEAD SCREWS



ITEM D
#10 X 3" FLAT
HEAD SCREWS

Things to know before you get started;

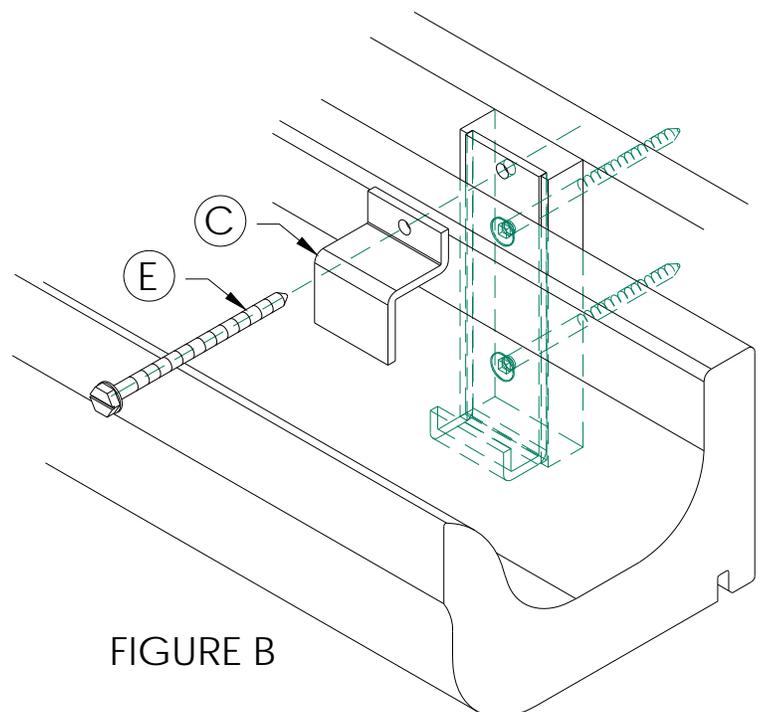
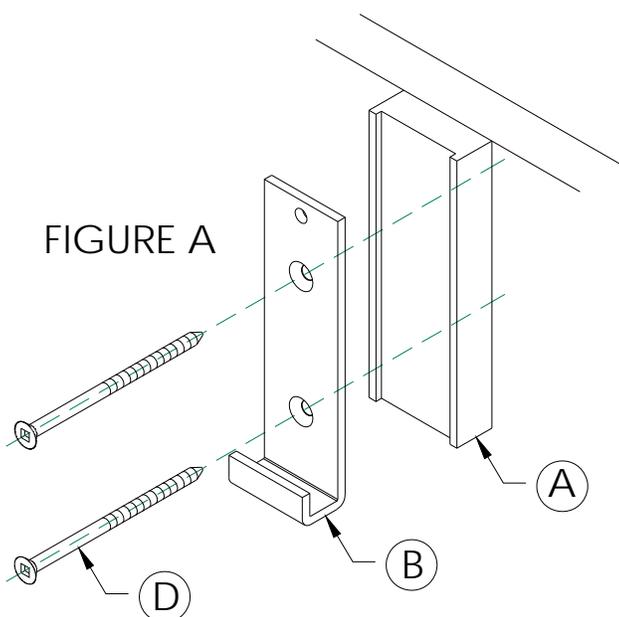
- When installing INTEX Gutter System a 5/8" reveal must be maintained between the back of the gutter and the fascia. The INTEX Hanger Bracket Kit includes 5/8" spacers (Item A) for this purpose.
- The INTEX Hanger Bracket and Fastener System are rated for 160 lbs. per bracket. The bracket is designed to be attached at the rafter, so they must be placed at 16" on center for traditional framing and 24" on center for truss frame applications.
- When installing an inside or outside corner (sold separately) a Hanger Bracket should not be installed within 24" of either side of the corner. If the rafters are set at 16" on center, then the Hanger Bracket should be held back 32" or the second rafter back from the corner. There are special 2-part shelf-type brackets provided with each INTEX Corner Kit to support the gutter and to allow for expansion and contraction at the corner of the building.
- Radius gutter sections require a special bracket to allow for variations in the radius between the fascia and the gutter.

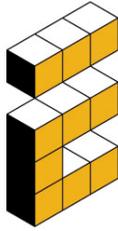
Directions;

1. The INTEX Gutter System should be pitched slightly to ensure there is no opportunity for standing water to lay in the gutter. To accomplish this, determine the location of the highest bracket in the gutter run by holding the

Hanger Bracket (Item B) up to the fascia, determine the placement ensuring that the top installation hole in the gutter bracket is not obstructed by shingles or flashing that may interfere with installing the final screw in the top hole.

2. Determine location of Hanger Bracket (Item B) at the lower end of the run. Using a string line, mark a line on the fascia from the bottom of the highest bracket to the bottom of the lowest bracket.
3. Once the line is established, using a finishing nail or brad, tack the PVC Spacers (Item A) in place at each rafter location and string line intersection (not to exceed 24" on center). If gutter will be turning an inside or outside corner, a bracket should not be placed within 24" of either side of the corner to allow for expansion and contraction. A shelf bracket, supplied with the corner kit, will support the gutter at the corner.
4. Place the Aluminum Hanger Bracket (Item B) in the PVC Spacer (Item A), aligning the bottom of the aluminum bracket with the bottom of the PVC Spacer. Install (2) #10 X 3" Flat Head Screws (Item D) through each Bracket/Spacer assembly.
5. Hang the gutter on brackets and hold in place. Install Hanger Bracket Clip (Item C) with (1) #10 X 3" Hex Head Screw (Item E) at each end and midpoint. Once these (3) Bracket Clips are installed, continue installing the balance of the Hanger Bracket Clips.





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Part # GSPLICE

Intex Gutter System

Assembly Instructions and

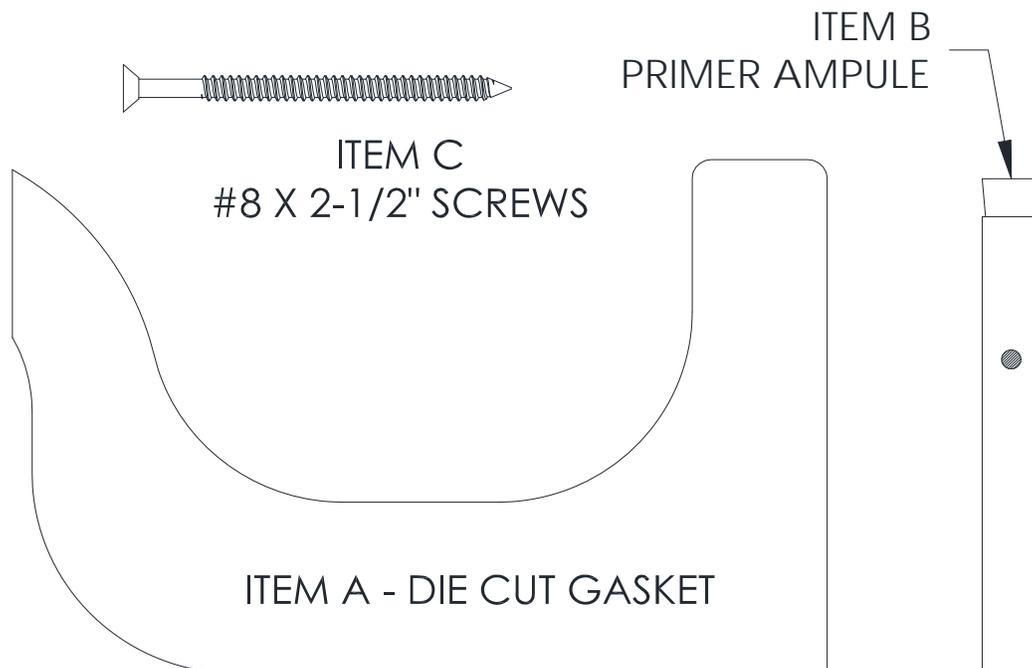
Parts List for 180° Splice Kit

180° Splice Kit Includes:

- (1) 3M VHB Die Cut Gasket (Item A)
- (1) 3M 94 Primer Ampule (Item B)
- (5) #8 X 2-1/2" Flat Head Square Drive Screws (Item C)

Please note;

When installing gutter in temperatures below 50°F gutter surfaces that are to be joined must be heated with a heat gun prior to applying 3M gaskets and seals to ensure proper adhesion.



Preparation

1. Cut both sections of gutter to be joined to the appropriate length.
2. **Pocket Bore Joint** – Using a pocket bore jig, drill (5) pocket bored holes as shown in **Figure C** or use the **Intex Gutter Pocket Bore Fixture**, available separately.
3. **Prime Surfaces** – Prime Gutter surfaces to be joined using Primer Ampule **Item B**. Area must be clean of debris and dry. Squeeze black dot on side of Ampule. Using soft tip of the applicator, apply product to surfaces to be joined and allow to dry for 5 minutes.
4. **Apply Gasket** – Apply the Die Cut Gasket **Item A**, to end of the Gutter by removing backer from Gasket and applying as shown in **Figure A**. Profile of Gasket should line up with **inside** edge of Gutter leaving a 1/8" reveal along outside edge of Gutter as shown in **Figure B**. Proper alignment is a critical step due to strength of the adhesive. Once in place rub your thumb over entire Gasket to make sure you have a tight seal.

Assembly

1. Install **Gutter Hanger Brackets**, available separately and hang two Gutter sections as described in the Hanger Bracket Installation Instructions leaving space between two sections being joined.
2. **Connect Gutter Sections** – Remove second backer from the Die Cut Gasket **Item A**. Align sections of gutter very carefully to ensure proper alignment. Slide sections of Gutter together and press firmly to join. Please note that once gasket surface touches gutter surface it will adhere immediately and re-alignment will be difficult.
3. **Install Screws** - Install (1) #8 X 2-1/2" flat head square drive screw, **Item E**, into each pocket bore hole. See **Figure C**.
4. **Fill Openings** – Once all pocket screws are installed, fill each pocket with acrylic latex caulk, Extreme PVC Trimwelder Fast Cure or equivalent product. Apply a bead of the same product along the joint area to insure complete seal. Next fill the 1/16" seam along the front face and bottom of the gutter (see **Figure E**), be sure to wipe away excess material from the surfaces before it fully cures. Follow the adhesive manufactures cure time instructions.

FIGURE A

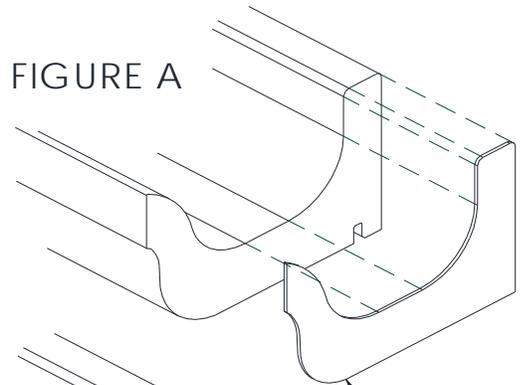


FIGURE B

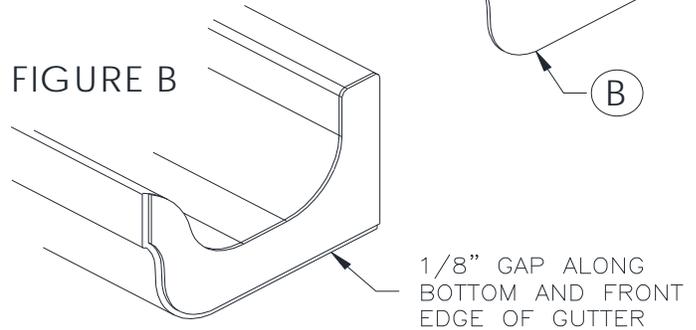


FIGURE D

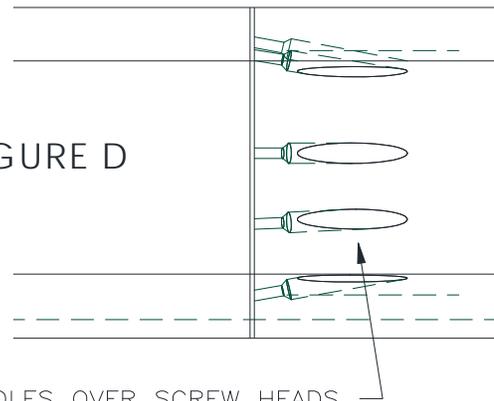


FIGURE E

FILL 1/16" GAP ALONG FRONT AND BOTTOM OF GUTTER

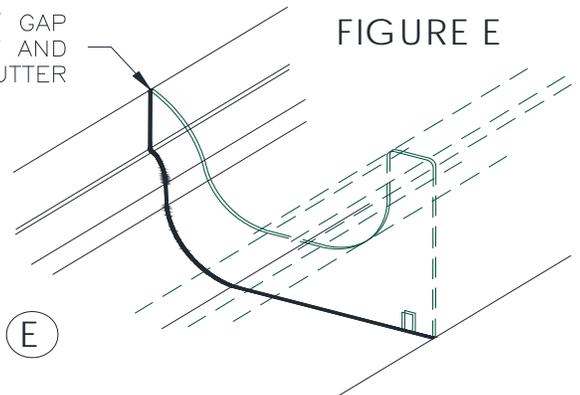
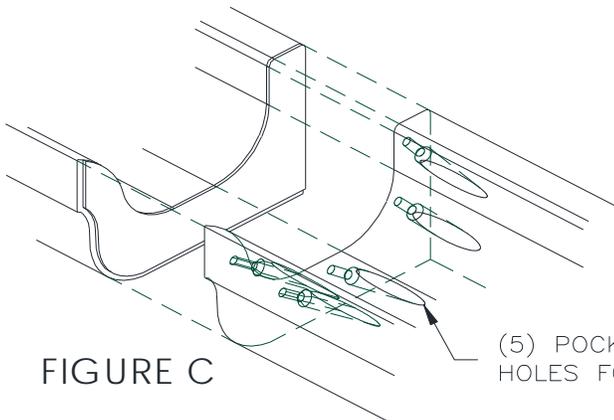
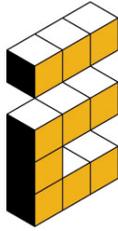


FIGURE C





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Part# GCORNER

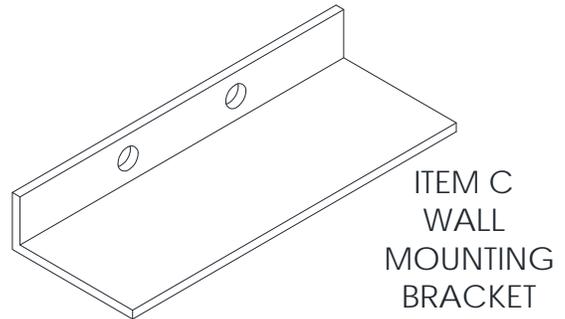
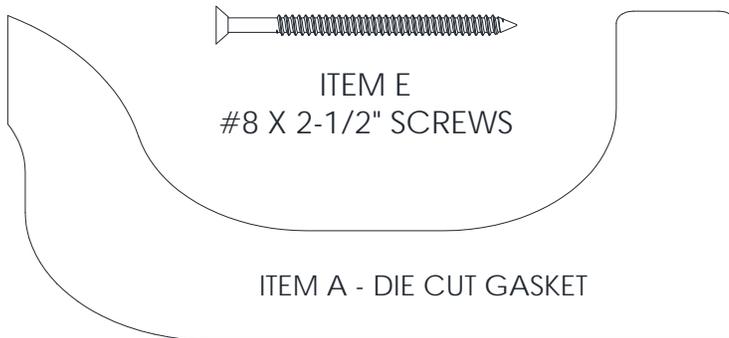
Intex Gutter System Assembly Instructions and Parts List for Corner Splice Kit (Inside or Outside)

Corner Mount/Splice Kit Includes:

- (1) 3M VHB Die Cut Gasket (Item A)
- (1) 3M 94 Primer Ampule (Item B)
- (2) Wall Mounting Brackets (Item C)
- (2) Gutter Support Brackets (Item D)
- (2) #8 X 2-1/2" Flat Head Square Drive Screws (Item E)
- (3) Cortex Screws and Plugs (Item F)
- (4) #10 x 1" Pan Head Square Drive Screws (Item G)
- (4) #10 X 3" Flat Head Stainless Steel Screws (Item H)

Please note;

When installing gutter in temperatures below 50°F gutter surfaces that are to be joined must be heated with a heat gun prior to applying 3M gaskets and seals to ensure proper adhesion.



ITEM H
#10 X 3"
SCREWS

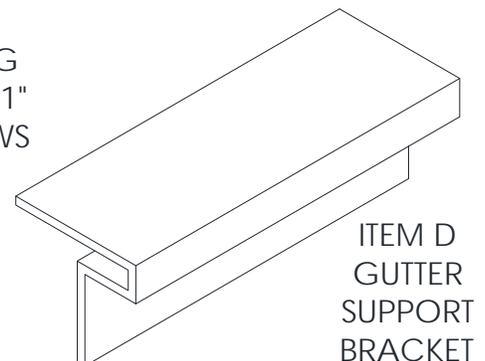


ITEM G
#10 X 1"
SCREWS



ITEM F
Cortex Screws with Plugs

ITEM B
PRIMER AMPULE

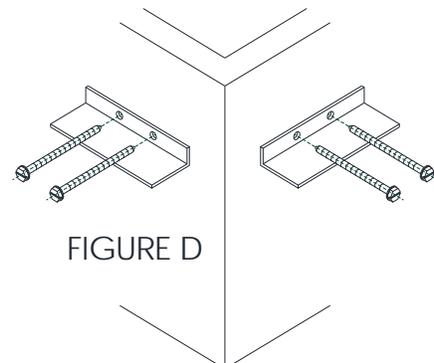
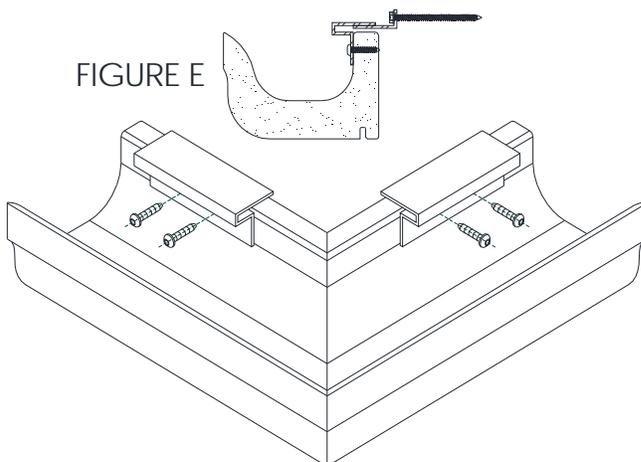
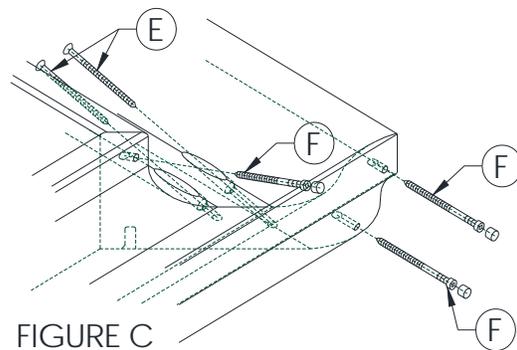
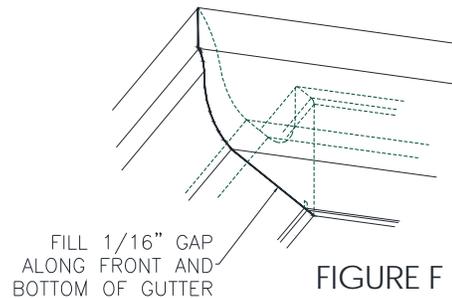
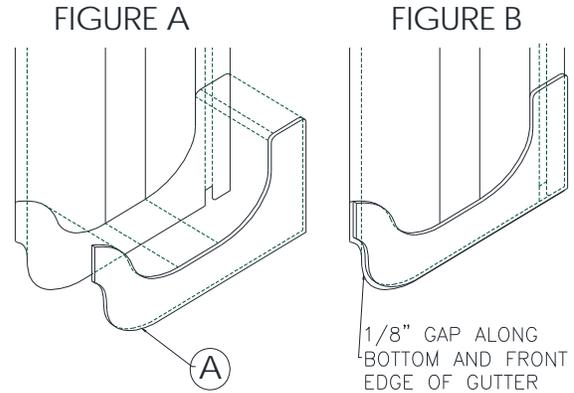


Preparation for use as Outside Corner

1. Cut both sections of gutter to be joined to the appropriate length and angle.
2. **Pocket Bore Joint** – Drill (3) 1/8 diameter pilot holes and, using a pocket bore jig, or use the **Intex Gutter Pocket Bore Fixture** (sold separately) drill (2) pocket bored holes as shown in **Figure C**.
3. **Prime Surfaces** – Prime Gutter surfaces to be joined using Primer Ampule **Item B**. Area must be clean of debris and dry. Squeeze black dot on side of Ampule. Using soft tip of applicator apply product to surfaces to be joined and allow to dry for 5 minutes.
4. **Apply Gasket** – Apply Die Cut Gasket **Item A**, to end of the Gutter by removing backer from Gasket and applying as shown in **Figure A**. Profile of Gasket should line up with **inside** edge of Gutter leaving a 1/8" reveal along outside edge of Gutter as shown in **Figure B**. Proper alignment is a critical step due to strength of the adhesive. Once in place rub your thumb over entire Gasket to insure a tight seal.
5. **Hang Wall Portion of Brackets** – Hang the two Wall Mounting Brackets **Item C**, approximately 4" - 6" from the corner, using four #10 X 3" flat head screws, **Item H**, as shown in **Figure D**. Vertical position of the Bracket is determined by Gutter's pitch established when installing the **Hanger Brackets**.

Assembly

1. Install **Gutter Hanger Bracket** (supplied separately) and hang two Gutter sections as described in the Hanger Bracket Installation Instructions leaving space between two sections being joined.
2. **Connect Gutter Sections** – Remove second backer from the Die Cut Gasket **Item A**. Align sections of gutter very carefully to ensure proper alignment. Slide sections of Gutter together and press firmly to join. Please note that once gasket surface touches gutter surface it will adhere immediately and readjustment will be difficult.
3. **Install Screws** - Install (1) #8 X 2-1/2" flat head square drive screw, **Item E**, into each pocket bore hole. Using the Cortex Driver Bit, install (1) Cortex Screw, **Item F**, into (3) 1/8" diameter pilot holes. Once all of the Cortex Screws are installed, plug each hole with (1) white plug. See **Figure C**.
4. **Fill Openings** – Once both pocket screws are installed, fill each pocket with acrylic latex caulk, Extreme PVC Trimwelder Fast Cure or equivalent product. Next fill the 1/16" seam along the front face and bottom of gutter (see **Figure F**), be sure to wipe away excess material from the surfaces before it fully cures.
6. **Install Gutter Support Brackets** – Place the two Gutter Support Brackets **Item D** over the 'shelf' portion of the Wall Mount Brackets, and secure to the back-inside surface of the gutter using 4 #10 x 1" screws Item. See **Figure E**

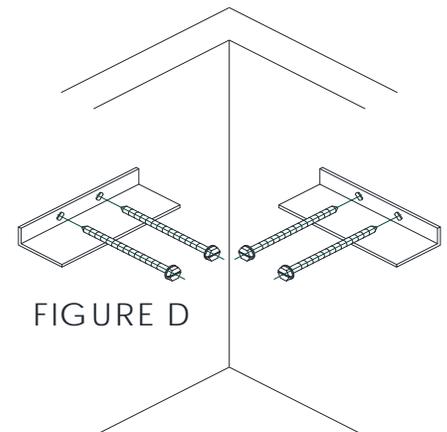
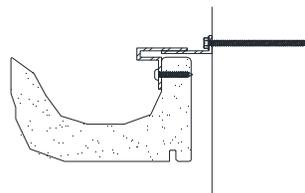
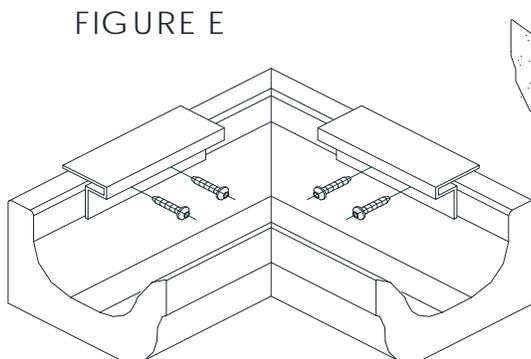
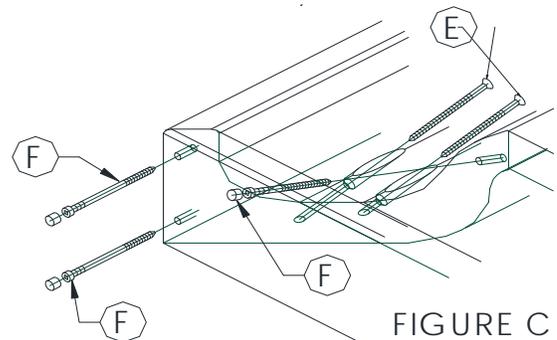
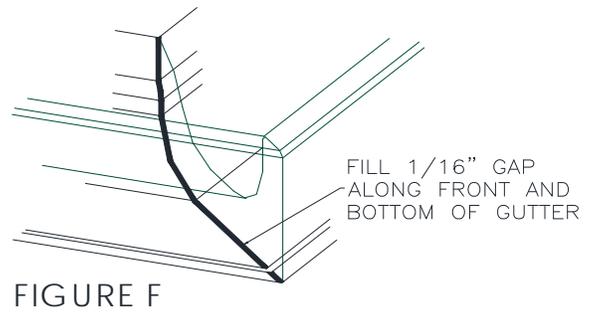
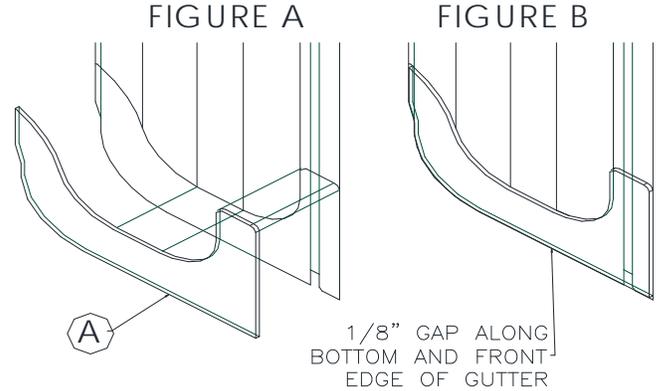


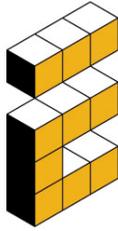
Preparation for use as Inside Corner

1. Cut both sections of gutter to be joined to the appropriate length and angle.
2. Pocket Bore Joint – Drill (3) 1/8 diameter pilot holes and, using a pocket bore jig, or use the Intex Gutter Pocket Bore Fixture (sold separately) drill (2) pocket bored holes as shown in Figure C.
3. Prime Surfaces – Prime Gutter surfaces to be joined using Primer Ampule Item B. Area must be clean of debris and dry. Squeeze black dot on side of Ampule. Using soft tip of applicator apply product to surfaces to be joined and allow to dry for 5 minutes.
4. Apply Gasket – Apply Die Cut Gasket Item A, to end of the Gutter by removing backer from Gasket and applying as shown in Figure A. Profile of Gasket should line up with inside edge of Gutter leaving a 1/8" reveal along outside edge of Gutter as shown in Figure B. Proper alignment is a critical step due to strength of the adhesive. Once in place rub your thumb over entire Gasket to insure a tight seal.
5. Hang Wall Portion of Brackets – Hang the two Wall Mounting Brackets Item C, approximately 4" - 6" from the corner, using four #10 X 3" flat head screws, Item H, as shown in Figure D. Vertical position of the Bracket is determined by Gutter's pitch established when installing the Hanger Brackets.

Assembly

1. Install Gutter Hanger Bracket (supplied separately) and hang two Gutter sections as described in the Hanger Bracket Installation Instructions leaving space between two sections being joined.
2. Connect Gutter Sections – Remove second backer from the Die Cut Gasket Item A. Align sections of gutter very carefully to ensure proper alignment. Slide sections of Gutter together and press firmly to join. Please note that once gasket surface touches gutter surface it will adhere immediately and readjustment will be difficult.
3. Install Screws - Install (1) #8 X 2-1/2" flat head square drive screw, Item E, into each pocket bore hole. Using the Cortex Driver Bit, install (1) Cortex Screw, Item F, into (3) 1/8" diameter pilot holes. Once all of the Cortex Screws are installed, plug each hole with (1) white plug. See Figure C.
4. Fill Openings – Once both pocket screws are installed, fill each pocket with acrylic latex caulk, Extreme PVC Trimwelder Fast Cure or equivalent product. Next fill the 1/16" seam along the front face and bottom of gutter (see Figure F), be sure to wipe away excess material from the surfaces before it fully cures.
5. Install Gutter Support Brackets – Place the two Gutter Support Brackets Item D over the 'shelf' portion of the Wall Mount Brackets, and secure to the back-inside surface of the gutter using 4 #10 x 1" screws Item. See Figure E





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Part # GC2OUTLET

Intex Gutter System

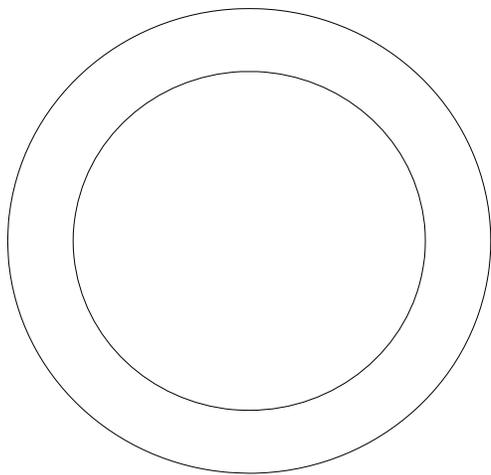
Assembly Instructions and Parts
List for Downspout Outlet Kit

Downspout Outlet Kit Includes:

- (1) Downspout Outlet (Item A)
- (1) 3M VHB Die Cut Gasket (Item B)
- (4) #6 X 5/8" Pan Head Square Drive Screws (Item C)

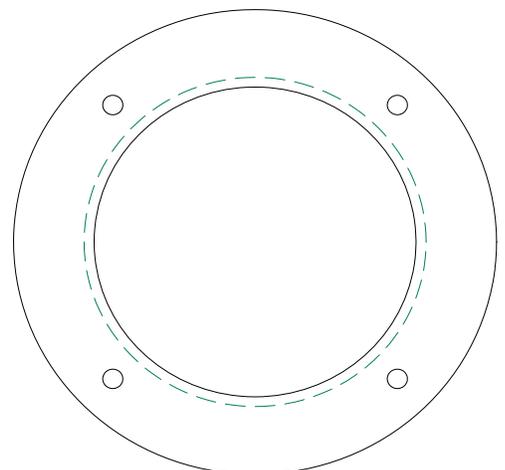
Please note;

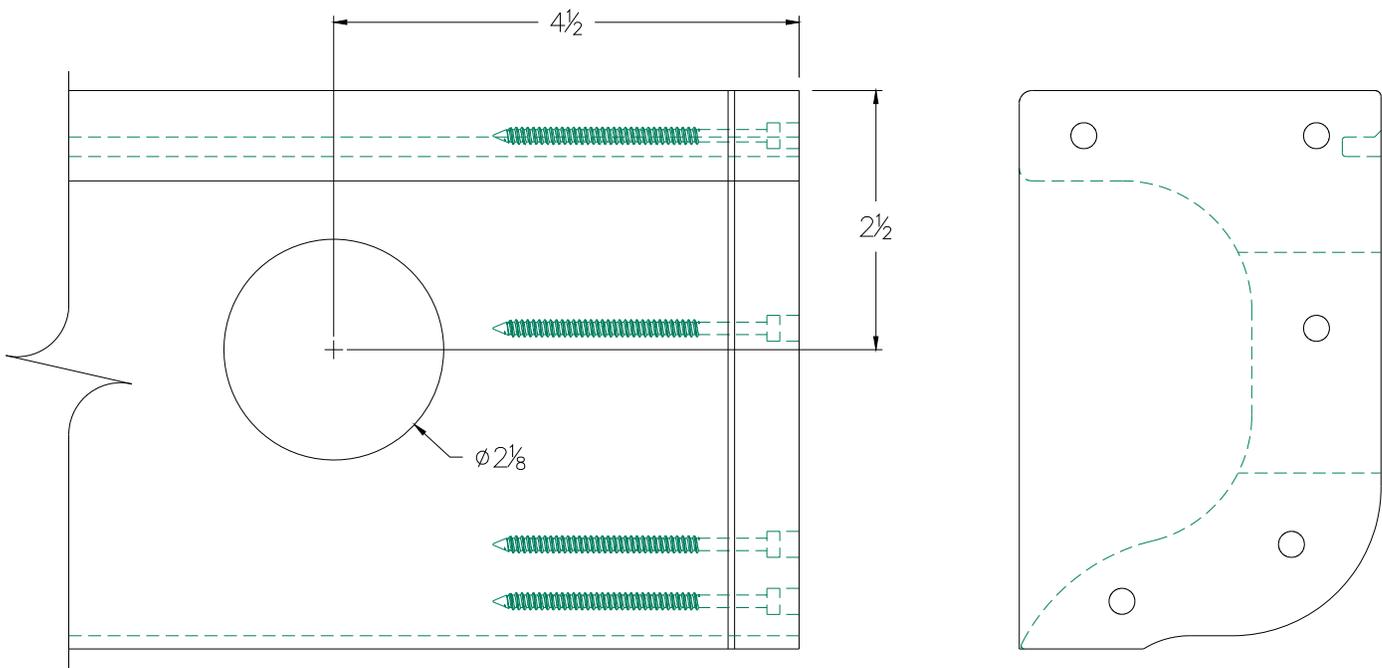
When installing gutter in temperatures below 50°F gutter surfaces that are to be joined must be heated with a heat gun prior to applying 3M gaskets and seals to ensure proper adhesion.



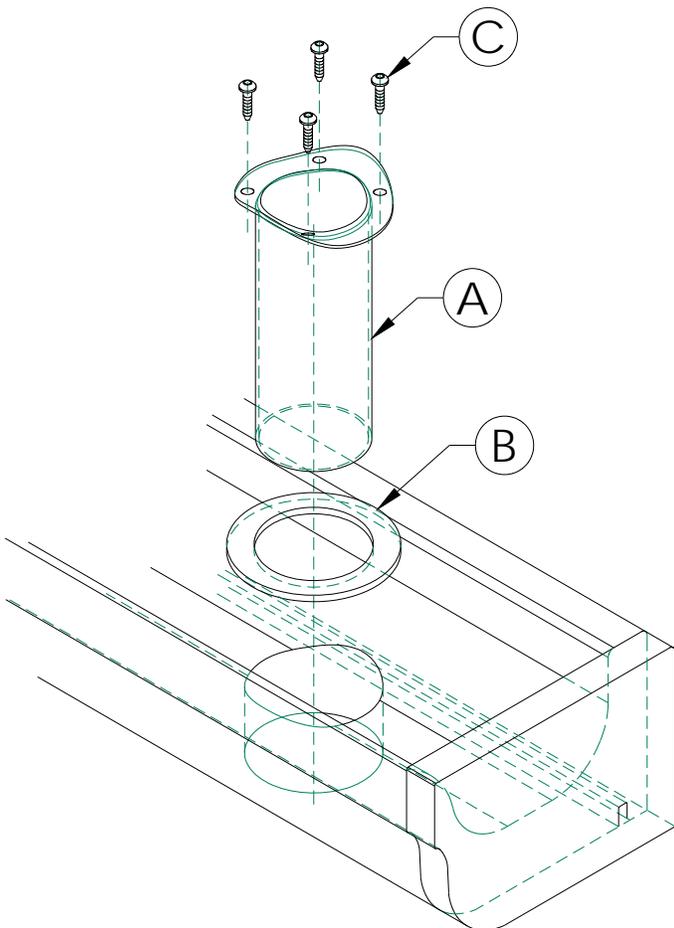
ITEM C
#6 X 5/8" PAN HEAD
SQUARE DRIVE SCREWS

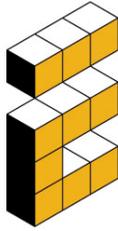
ITEM B, 3M VHB DIE CUT GASKET





1. Drill Clearance Hole – In order to install the Downspout Outlet, you must drill a 2-1/8" diameter clearance hole through the Gutter per the above sketch. The location of the hole is critical. This will prevent you from drilling into the Cortex screws used to mount the End Cap. Intex recommends using a Hole Saw or Forstner Bit for this application.
2. Apply Gasket – Remove one backer from the Die Cut Gasket **Item B**. With the now exposed edge of the Gasket facing up, feed the Gutter Outlet **Item A**, down through the Gasket as shown in the figure to the left. The underside of Outlet's rim should be clean and free of debris. Apply the Gasket to the rim of the Outlet by pressing firmly around the entire circumference.
3. Form the Downspout Outlet Flange – Form the Downspout Outlet flange to the base of the gutter by tapping it into place with a hammer. Once the flange has been shaped to fit the gutter, remove the Downspout Outlet from the gutter and remove the second backer from the Die Cut Gasket **Item B**.
4. Install the Downspout Outlet Feed the Downspout Outlet **Item A**, with the applied gasket down through the 2-1/8" diameter hole in the Gutter. Insure the inside surface of the Gutter is clean a free of debris. Before the gasket makes contact with the gutter insure that the shape of the outlet's pre-formed rim will align with the profile of the Gutter as created in step 3 above. This shape is symmetrical and if installed backwards may leak. Once in place, press down firmly on the rim of the Outlet and secure in place with the four #6 X 5/8" Pan Head Square Drive Screws **Item C** as shown in the figure to the left.





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Part # GENDCAP

Intex Gutter System

Assembly Instructions and

Parts List for End Cap

End Cap Installation Kit Includes:

- (1) PVC Gutter End Cap (Item A)
- (1) 3M VHB Die Cut Gasket (Item B)
- (1) 3M 94 Primer Ampule (Item C)
- (5) Cortex Screws with Plugs (Item E)

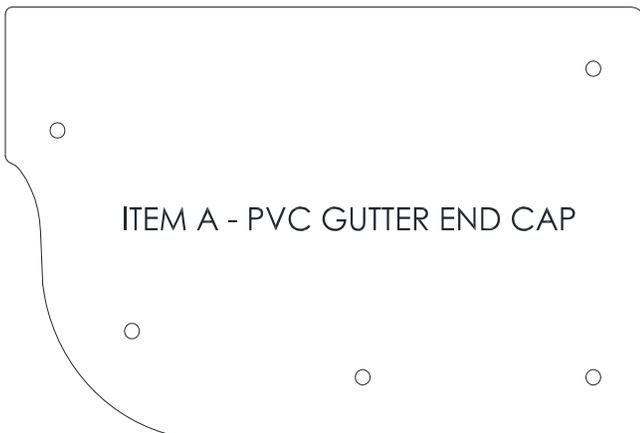
Please note;

When installing gutter in temperatures below 50°F gutter surfaces that are to be joined must be heated with a heat gun prior to applying 3M gaskets and seals to ensure proper adhesion.

ITEM C
PRIMER AMPULE



ITEM E
CORTEX SCREWS WITH PLUGS



1. Cut the section of Gutter to the appropriate length.
2. Prime the Surfaces to be Joined - The Gutter and End Cap should be clean of dirt and other debris. Apply the Primer **Item C**, by squeezing at the black dot on the side of the Ampule. Using the soft tip of the applicator, apply the product to the End Cap and the Gutter and allow to dry for 5 minutes.
3. Apply the Gasket - Apply the Die Cut Gasket **Item B**, to the end of the Gutter by removing the backer from the Gasket and applying as shown in **Figure A**. The profile of the Gasket should line up with the inside edge of the Gutter leaving a 1/8" reveal along the outside edge as shown in **Figure B**. Proper alignment is a critical step due to the strength of the adhesive. Once in place, rub your thumb over the entire Gasket to make sure you have a tight seal.
4. Align the End Cap - Align the End Cap **Item A**, to the Gutter by removing the second backer from the Die Cut Gasket. Align the End Cap to the Gutter very carefully to ensure proper alignment. Firmly press the End Cap and the Gutter together. Please note that once the End Cap touches the Gasket it will adhere immediately and cannot be adjusted.
5. Screw the End Cap to the Gutter - The End Cap has (5) pre-drilled 1/8" diameter holes. Using a Cortex Driver Bit (available separately), install (1) Cortex Screw, **Item E**, into each pilot holes as shown in **Figure C**. Once all of the Cortex Screws are installed, plug each hole with (1) white plug.
6. Fill the Seam - Once all of the Cortex Screws are installed, fill the 1/16" seam along the front face and bottom of the gutter with acrylic latex caulk, Extreme PVC Trimwelder Fast Cure or equivalent product (**see Figure E**). Be sure to wipe away excess material before it fully cures. Follow the adhesive manufactures instructions and wait for the adhesive to fully cure before proceeding to Step 7.
7. Caulk/Seal Inside of End Cap - Apply a uniform bead of acrylic latex caulk, Extreme PVC Trimwelder Fast Cure or equivalent product (**see Figure D**) at the inside of the joint over the gasket.

FIGURE A

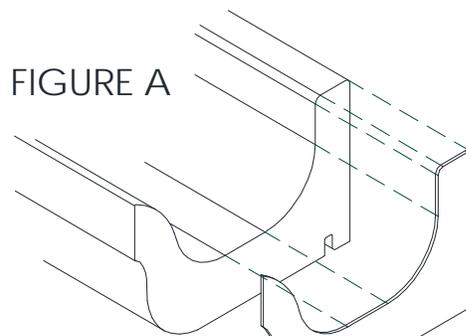


FIGURE B

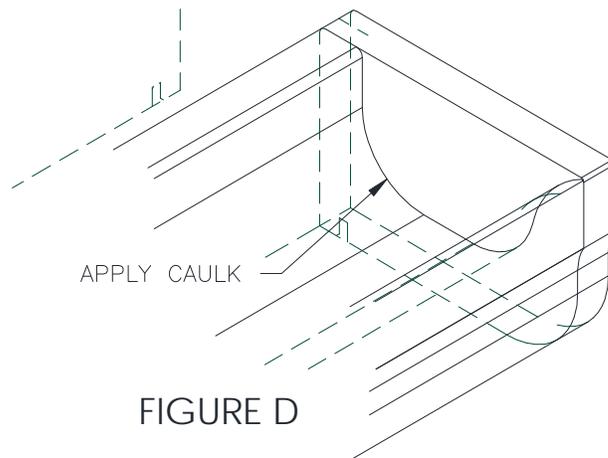
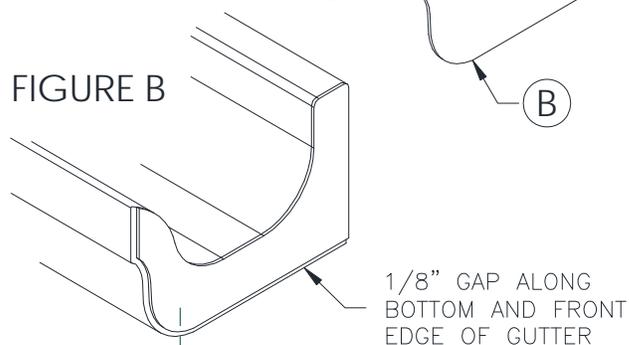


FIGURE D

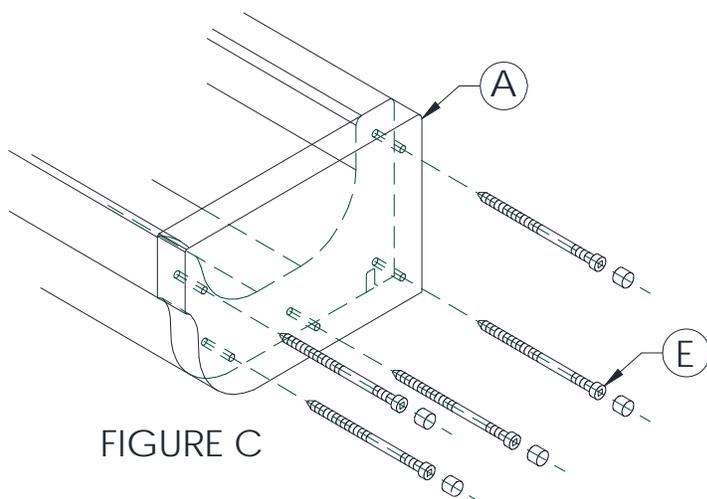


FIGURE C

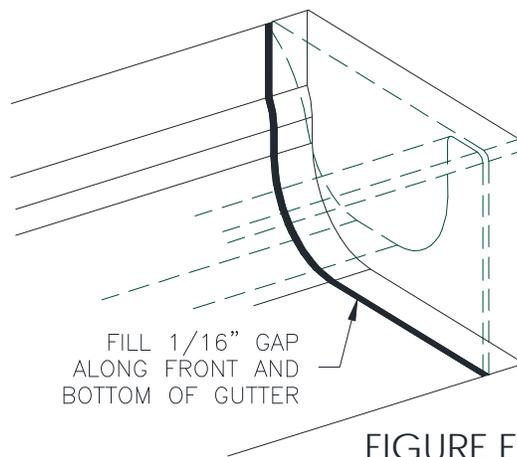


FIGURE E



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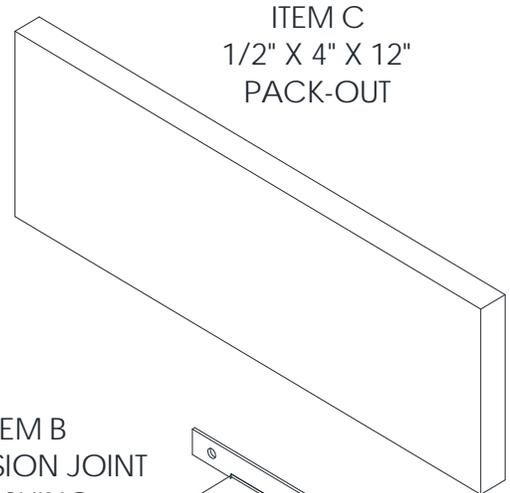
Part # GEXPJOINT

Intex Gutter System

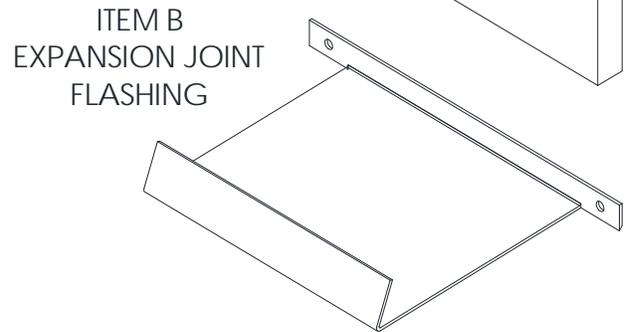
Assembly Instructions and

Parts List for Expansion Joint

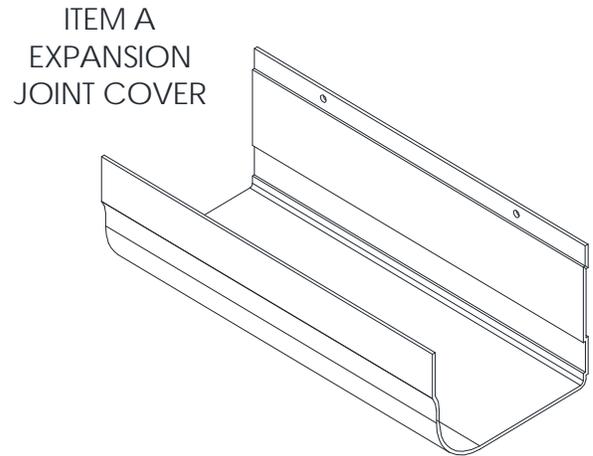
- (1) Extruded Aluminum Expansion Joint Cover (Item A)
- (1) Expansion Joint Flashing (Item B)
- (1) 1/2" X 4" X 12" Pack-out (Item C)
- (2) #10 X 3" Hex Head Stainless Steel Screws (Item D)
- (10) Cortex Screws with Plugs (Item E)
- (2) 3M Primer Ampules (Item F)
- (2) 3M VHB Die Cut Gaskets (Item G)
- (2) PVC Gutter End Caps (Item H)



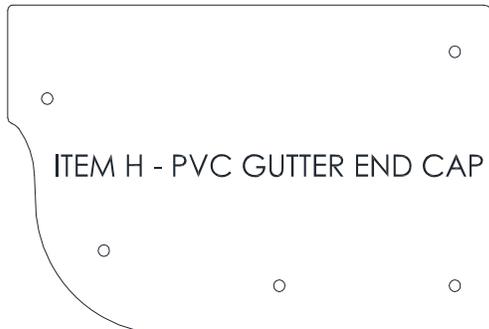
ITEM C
1/2" X 4" X 12"
PACK-OUT



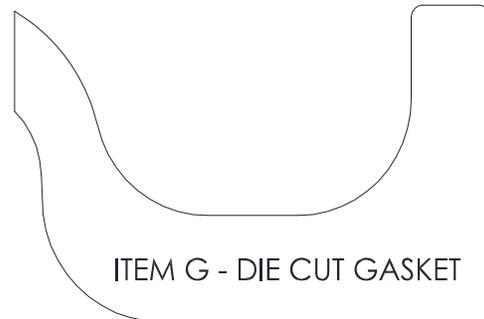
ITEM B
EXPANSION JOINT
FLASHING



ITEM A
EXPANSION
JOINT COVER



ITEM H - PVC GUTTER END CAP



ITEM G - DIE CUT GASKET

ITEM F
PRIMER AMPULE



ITEM E
CORTEX SCREWS WITH PLUGS



ITEM D
#10 X 3" SCREWS



Things to know before you get started;

- Continuous gutter runs in excess of 40 feet require an Intex Expansion Joint.
- In hip roof applications where the gutter is to be installed around the entire perimeter of a building, Intex Expansion Joints must be used.
- Intex Expansion Joints should always be placed mid-span to be the most effective.

Directions;

- **Hang Gutter** – Apply the End Caps (**Item J**) to the (2) Gutter sections per the End Cap Installation instructions. Hang the (2) sections of Gutter using the Hanger Brackets per the Hanger Bracket Installation instructions. **Maintain a 3" gap between the (2) sections of Gutter as shown in Figure A.**
- **Mount Packer** – Locate the midpoint of the span to determine the best location for the Expansion Joint. Center the 1/2" X 4" X 12" Packer (**Item C**) at this location and align with the bottom of the Gutter as shown in **Figure A**. Nail Packer in place.
- **Install Expansion Joint Cover** – Slide the Expansion Joint Cover (**Item A**) over the Gutter from the bottom and align the top of the Expansion Joint Cover with the top of the Packer and shown in **Figure B**.
- **Install Expansion Joint Flashing** – Install the Expansion Joint Flashing (**Item B**) by placing it on top of the Gutter and aligning it to the Expansion Joint (**Item A**) using the predrilled holes. See **Figure C**. Mount Expansion Joint and Flashing in place using (2) #10 X 3" Hex Head Stainless Steel Screws (**Item D**).

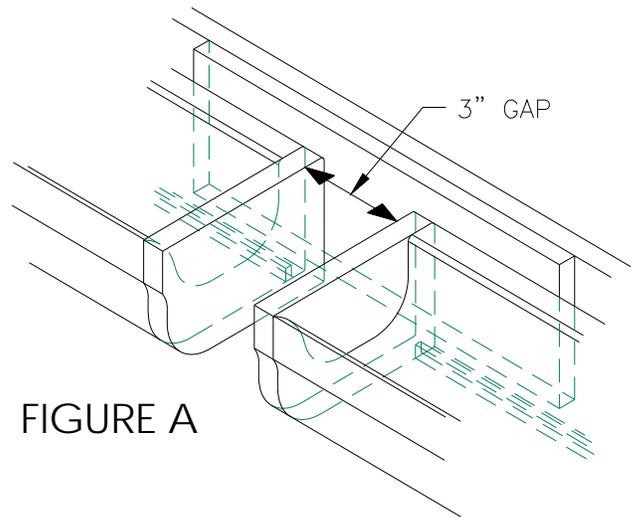


FIGURE A

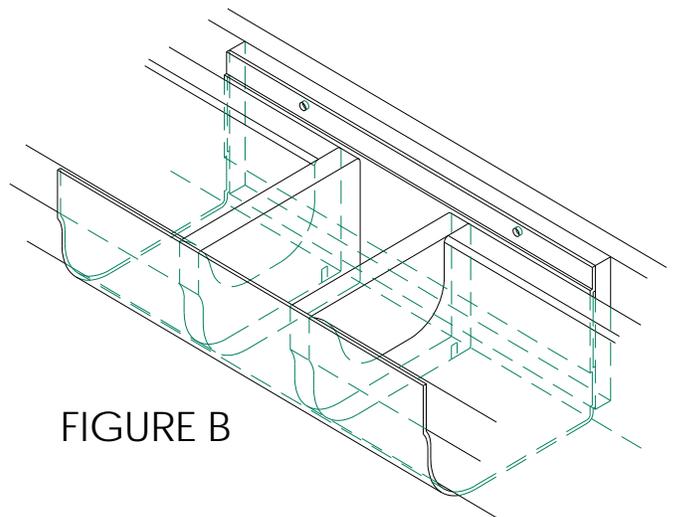


FIGURE B

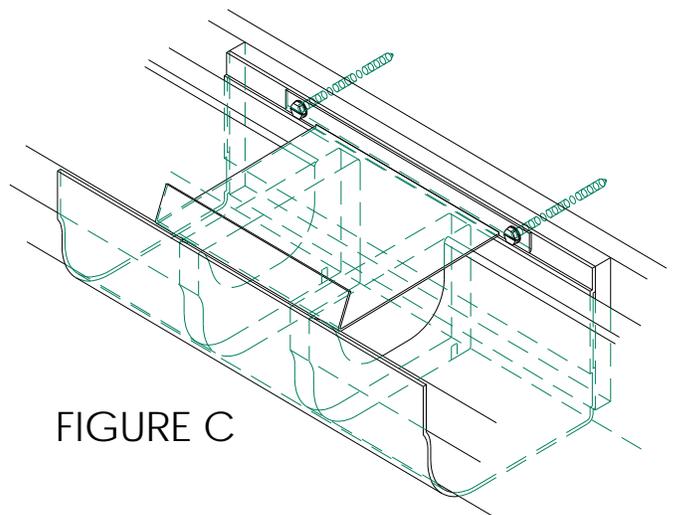
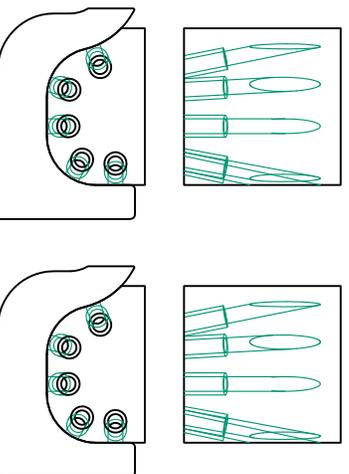
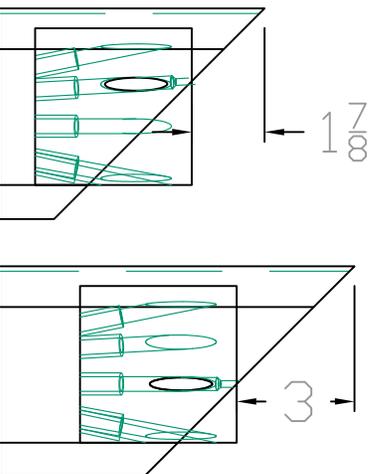


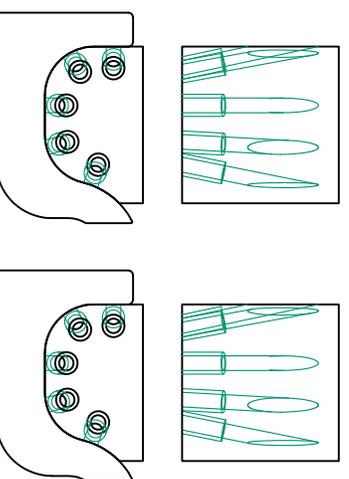
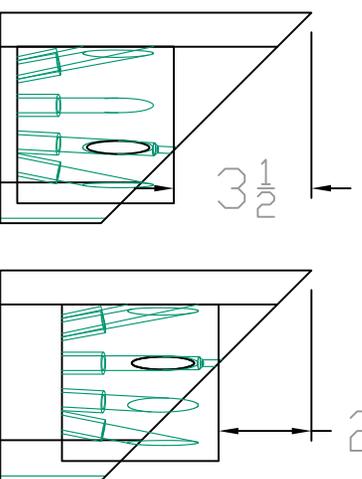
FIGURE C

Outside corner



1st and 2nd
hole Positions for
the gutter drill jig

Inside corner



Approved by _____ Date _____

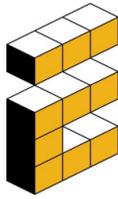
Drawn By: DMIDGETTE Date: 10-08-15 DWG # Gutter Supplier:

Description: Gutter drill jig Positions for inside and outside corners



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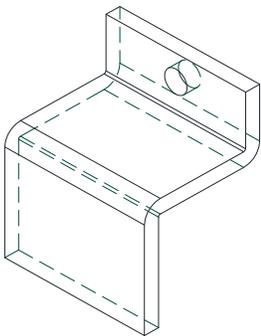
Part # GBKTSET-R

Intex Gutter System

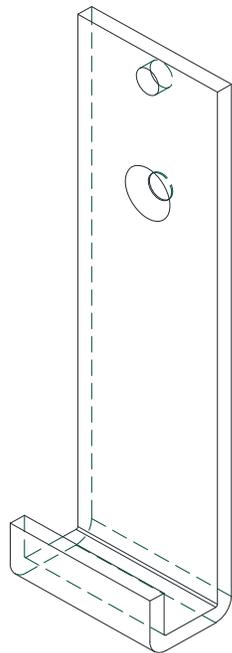
Assembly Instructions and
Parts List for Hanger
Bracket for Radius Gutter

Hanger Bracket Kit Includes:

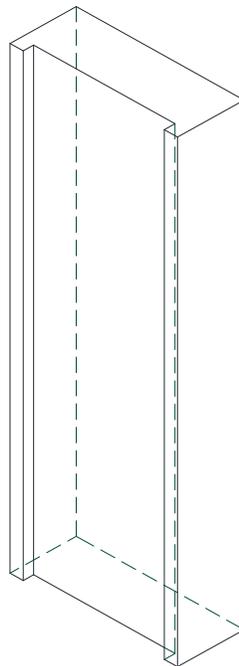
- (14) PVC Bracket Pack-outs (Item A)
- (14) Hanger Bracket (Item B)
- (14) Hanger Bracket Clip (Item C)
- (14) #10 X 3" Flat Head Square Drive Screws (Item D)
- (14) #10 X 3" Hex Head Stainless Steel Screws (Item E)



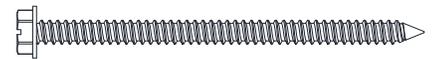
ITEM C
HANGER
BRACKET
CLIP



ITEM B
HANGER BRACKET



ITEM A
PVC BRACKET
PACK-OUTS



ITEM E
#10 X 3" HEX
HEAD SCREWS



ITEM D
#10 X 3" FLAT
HEAD SCREWS

Things to know before you get started;

- When installing INTEX Gutter System a 5/8" reveal must be maintained between the back of the gutter and the fascia. The INTEX Hanger Bracket Kit includes 5/8" spacers (**Item A**) for this purpose.
- The INTEX Hanger Bracket and Fastener System are rated for 160 lbs. per bracket. The bracket is designed to be attached at the rafter, so they must be placed at 16" on center for traditional framing and 24" on center for truss frame applications.
- When installing an inside or outside corner (sold separately) a Hanger Bracket should not be installed within 24" of either side of the corner. If the rafters are set at 16" on center, then the Hanger Bracket should be held back 32" or the second rafter back from the corner. There are special 2-part shelf-type brackets provided with each INTEX Corner Kit to support the gutter and to allow for expansion and contraction at the corner of the building.
- Radius gutter sections require a special bracket to allow for variations in the radius between the fascia and the gutter.

Directions;

1. The INTEX Gutter System should be pitched slightly to ensure there is no opportunity for standing water to lay in the gutter. To accomplish this, determine the location of the highest bracket in the gutter run by holding the Hanger Bracket (**Item B**) up to the fascia,

determine the placement ensuring that the top installation hole in the gutter bracket is not obstructed by shingles or flashing that may interfere with installing the final screw in the top hole.

2. Determine location of Hanger Bracket (**Item B**) at the lower end of the run. Using a string line, mark a line on the fascia from the bottom of the highest bracket to the bottom of the lowest bracket.
3. Once the line is established, using a finishing nail or brad, tack the PVC Spacers (**Item A**) in place at each rafter location and string line intersection (not to exceed 24" on center). If gutter will be turning an inside or outside corner, a bracket should not be placed within 24" of either side of the corner to allow for expansion and contraction. Shelf-type brackets, supplied with the corner kit, will support the gutter at the corner.
4. Place the Aluminum Hanger Bracket (**Item B**) in the PVC Spacer (**Item A**), aligning the bottom of the aluminum bracket with the bottom of the PVC Spacer. Install (1) #10 X 3" Flat Head Screws (**Item D**) through each Bracket/Spacer assembly.
5. Hang the gutter on brackets and hold in place. Install Hanger Bracket Clip (**Item C**) with (1) #10 X 3" Hex Head Screw (**Item E**) at each end and midpoint. Once these (3) Bracket Clips are installed, continue installing the balance of the Hanger Bracket Clips.

FIGURE A

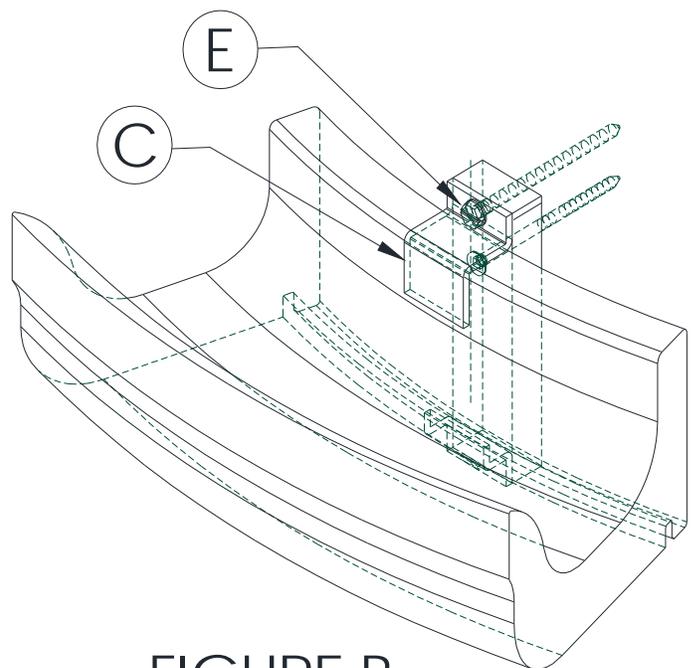
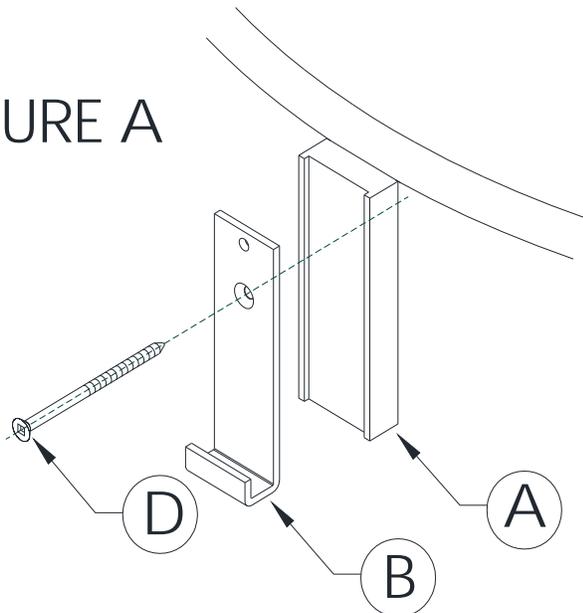


FIGURE B