

# Broil King®

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ASSEMBLY MANUAL & PARTS LIST - MANUEL DE MONTAGE & LISTE DE PIÉCES

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**Broil King**  
**BARON S 590 PRO IR**  
6783-44

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RETAIN FOR FUTURE REFERENCE - VEUILLEZ CONSERVER POUR REFERENCE ULTERIEURE

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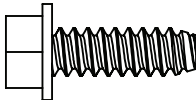
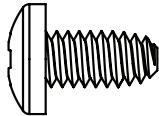
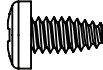
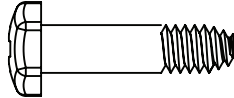
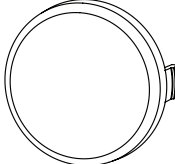
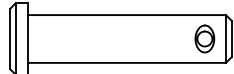
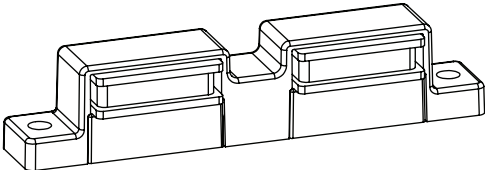
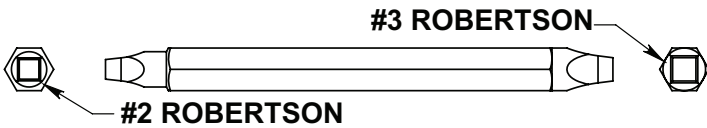
*Onward*  
**MANUFACTURING COMPANY**  
585 KUMPF DRIVE  
WATERLOO, ONTARIO, CANADA  
N2V 1K3

SINCE 1906  
LIMITED

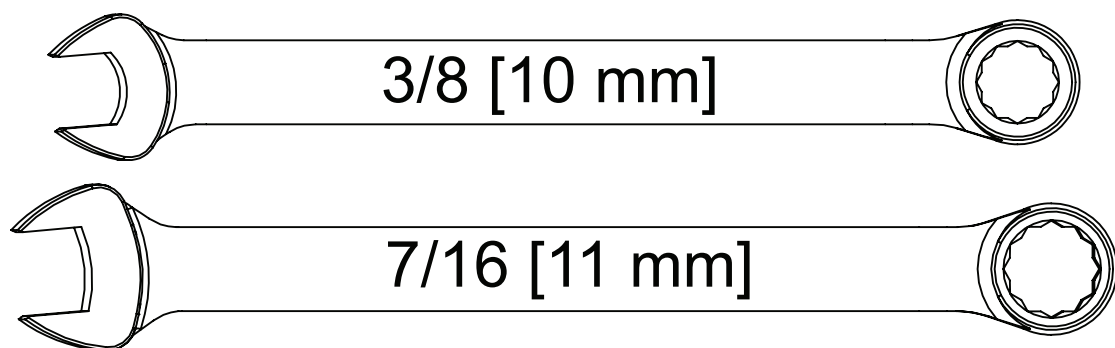
info@omcbbq.com  
1-800-265-2150

60084-E21 REV B 07/26

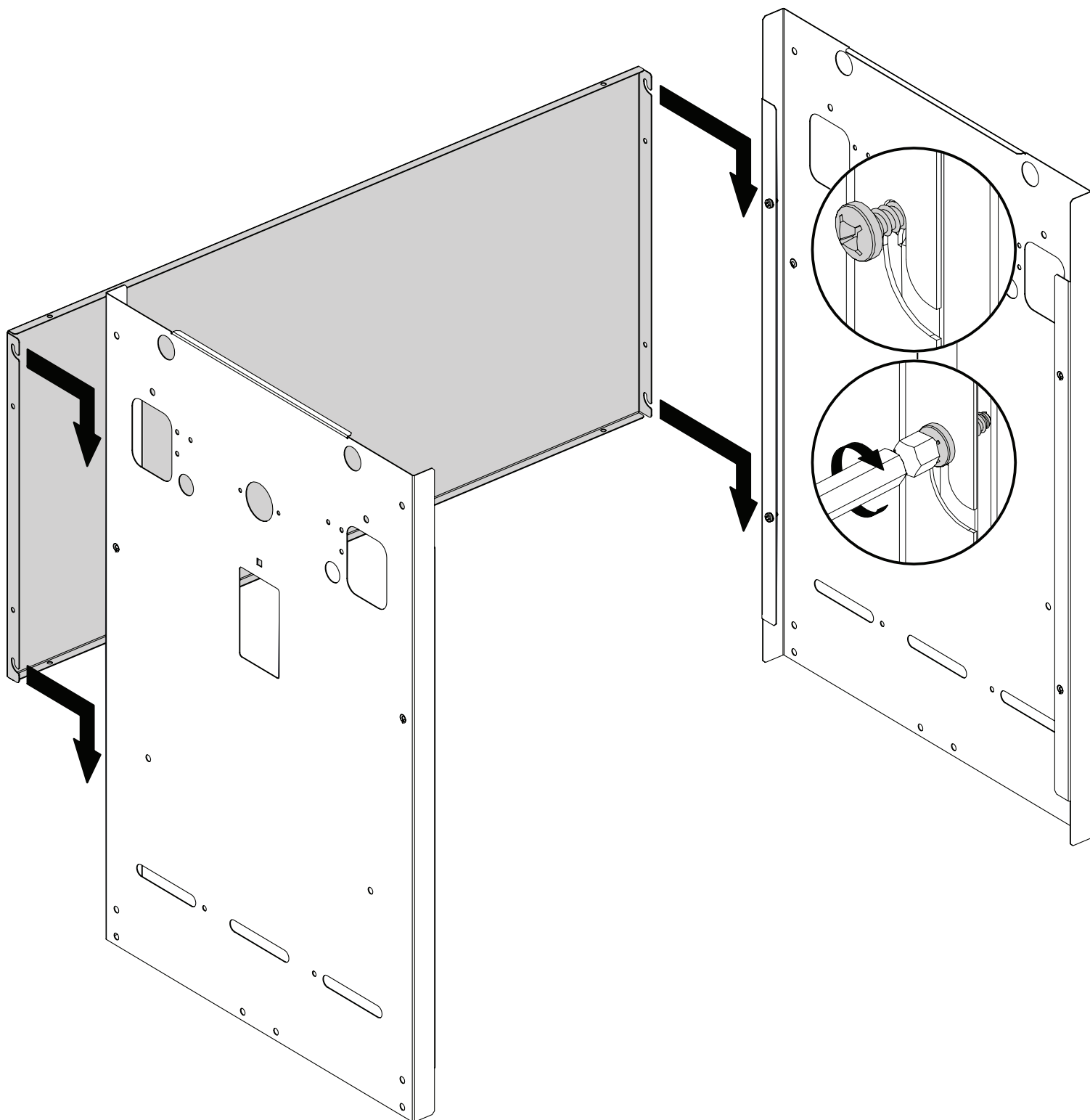
## HARDWARE INCLUDED / MATERIAL INCLUS

|           |                                                                                      |      |                                                                                      |                                                                                       |     |
|-----------|--------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| S21124    |     | (6)  | S21088                                                                               |    | (8) |
| S21125    |     | (2)  | Y-29306                                                                              |    | (1) |
| Y-12865   |     | (10) | Y-29304                                                                              |    | (2) |
| Y-11551   |     | (2)  | 32001-151                                                                            |    | (4) |
| S21235    |   | (2)  | S21233                                                                               |  | (2) |
| Y-12229   |   | (1)  |  |                                                                                       |     |
| 20005-000 |  |      |                                                                                      |                                                                                       | (1) |

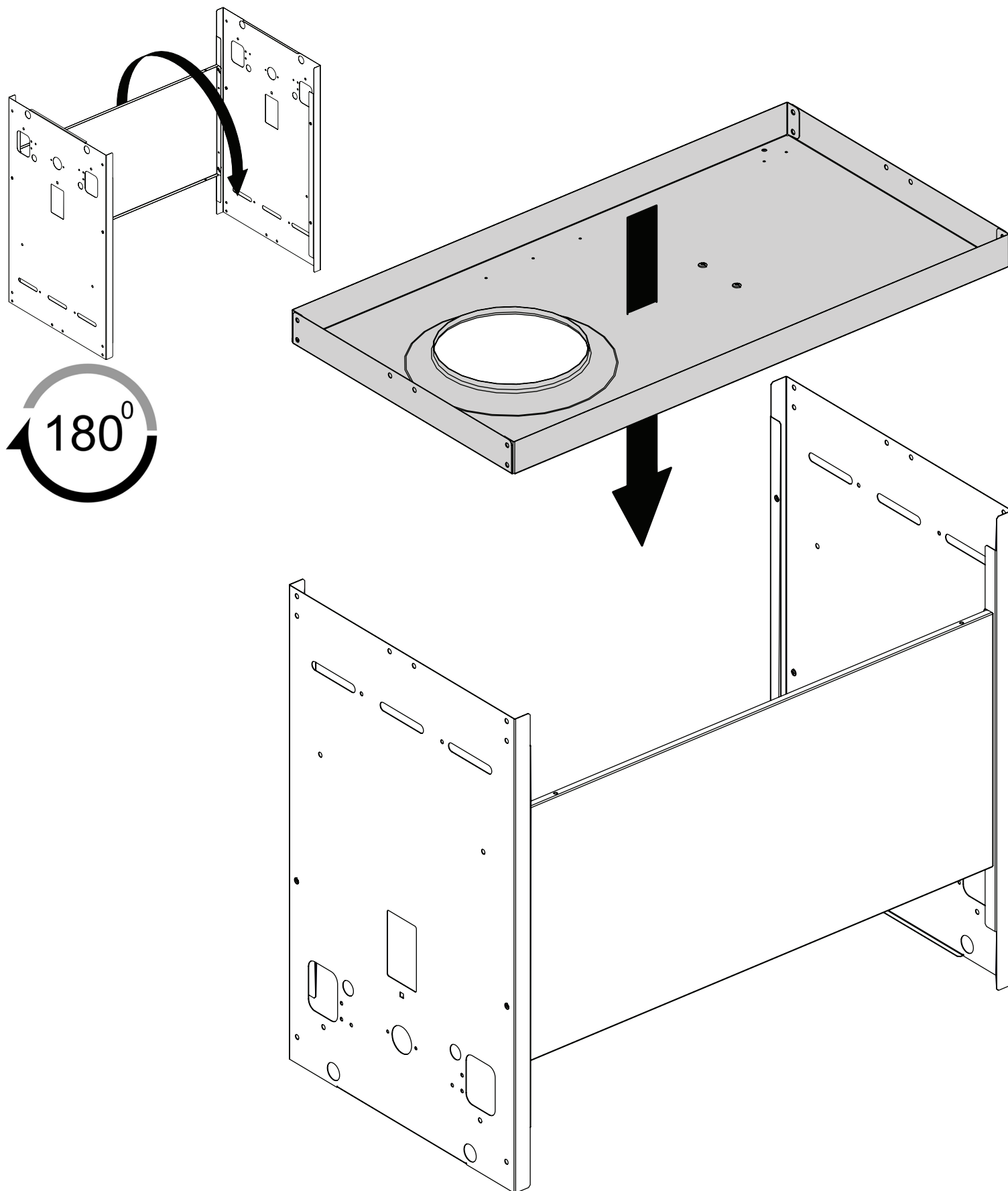
## TOOLS REQUIRED / OUTILS NECESSAIRES



1

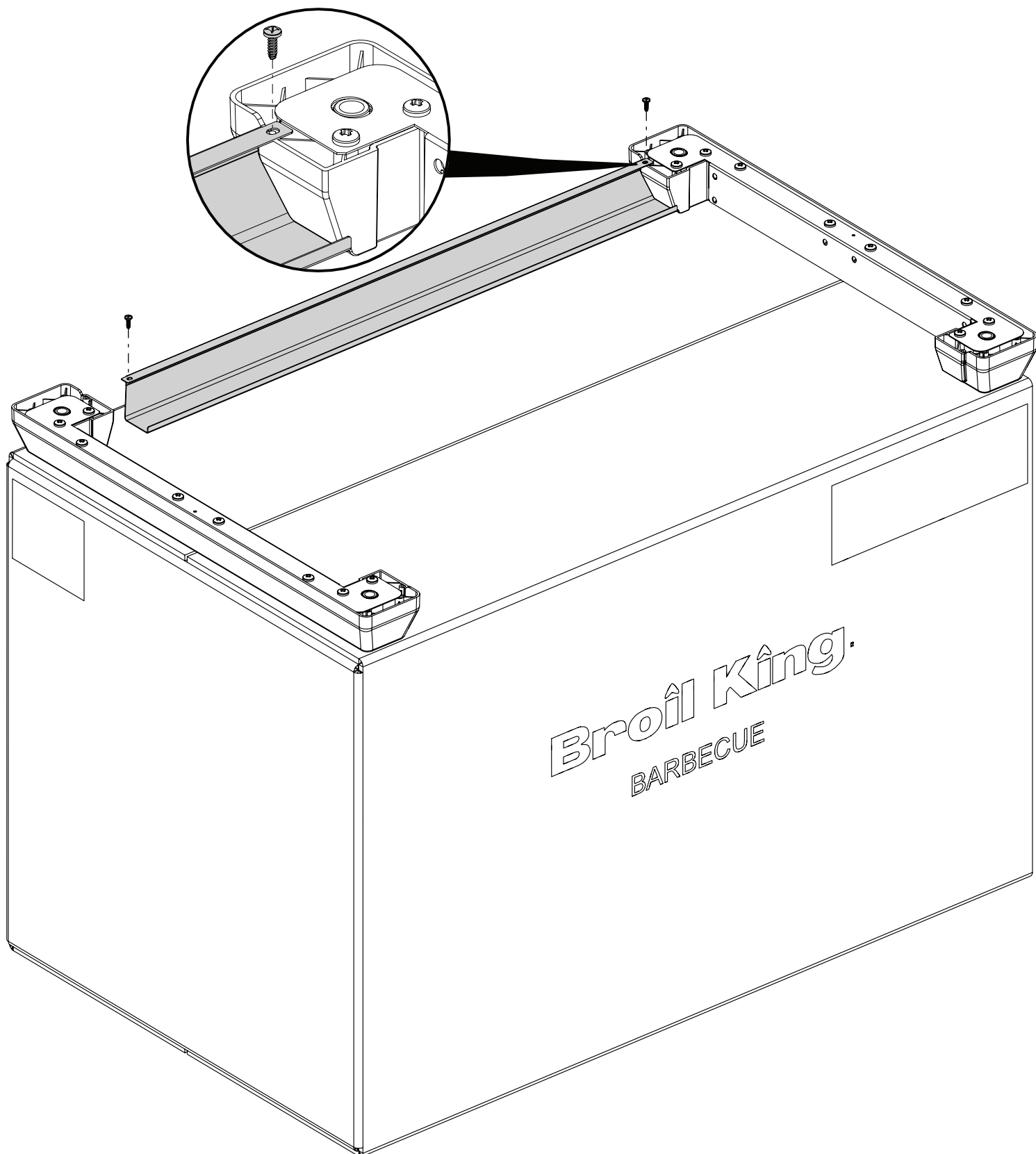


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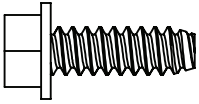
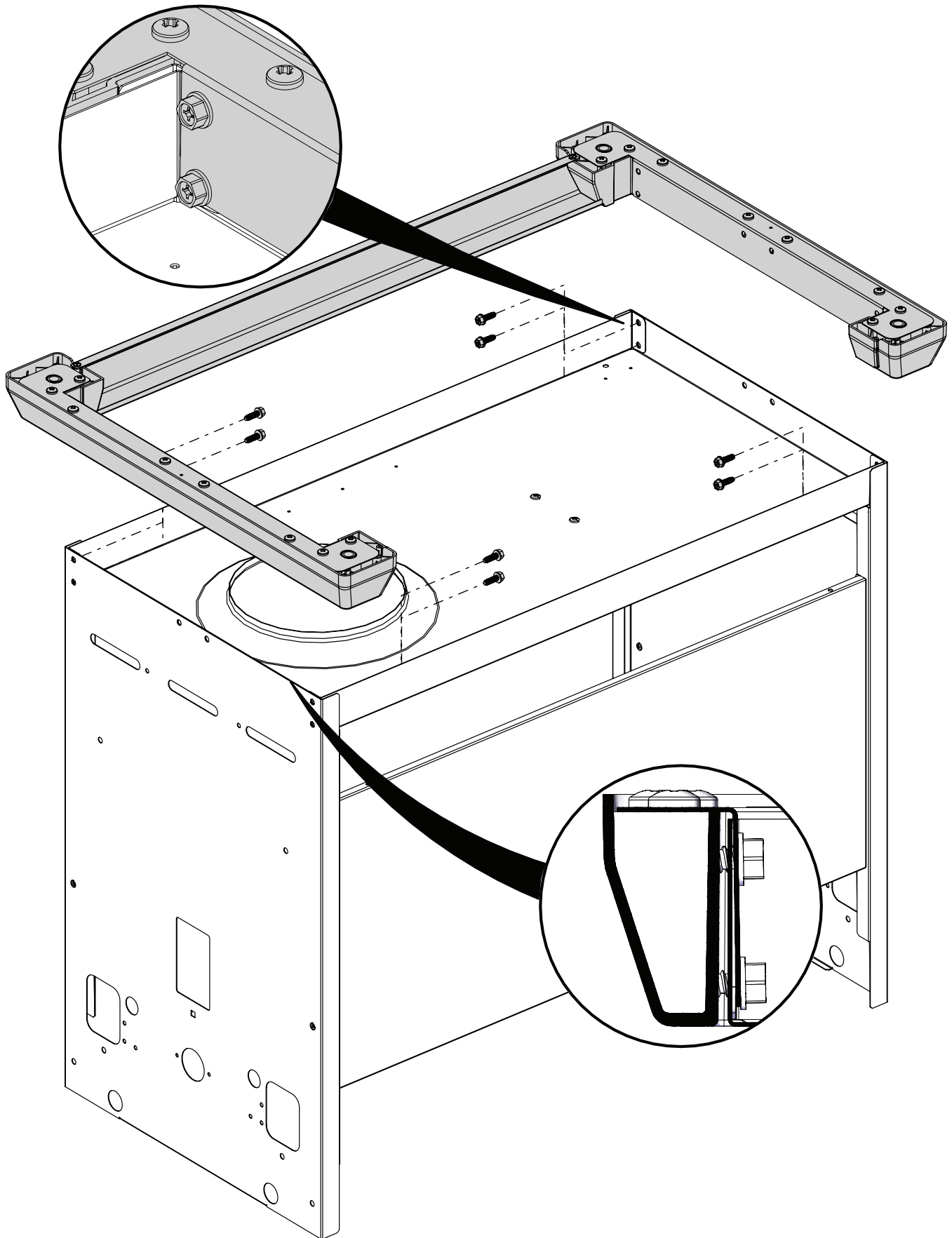
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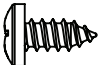


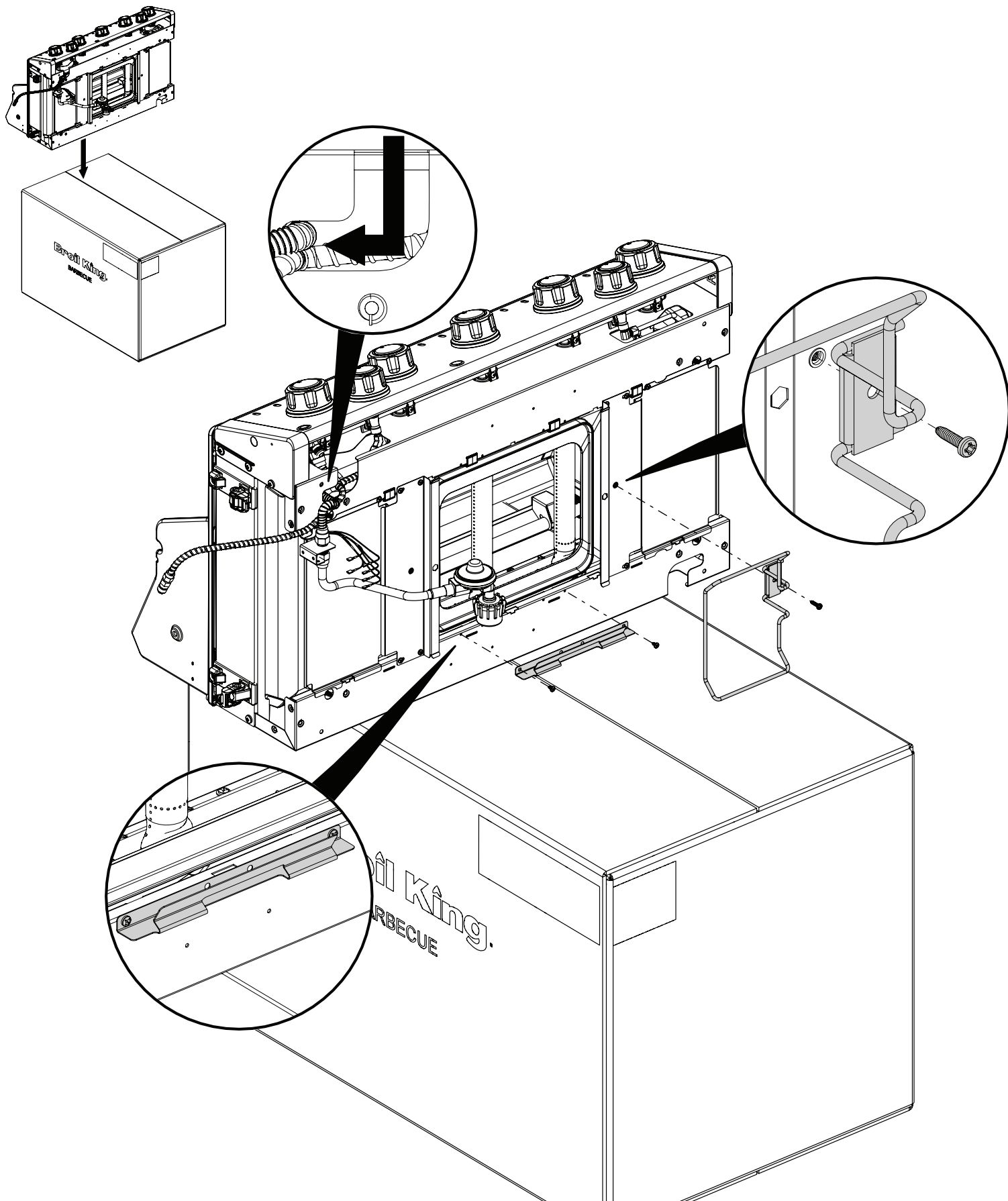
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(8)

A small metal spring clip with a rectangular base and a coiled spring.

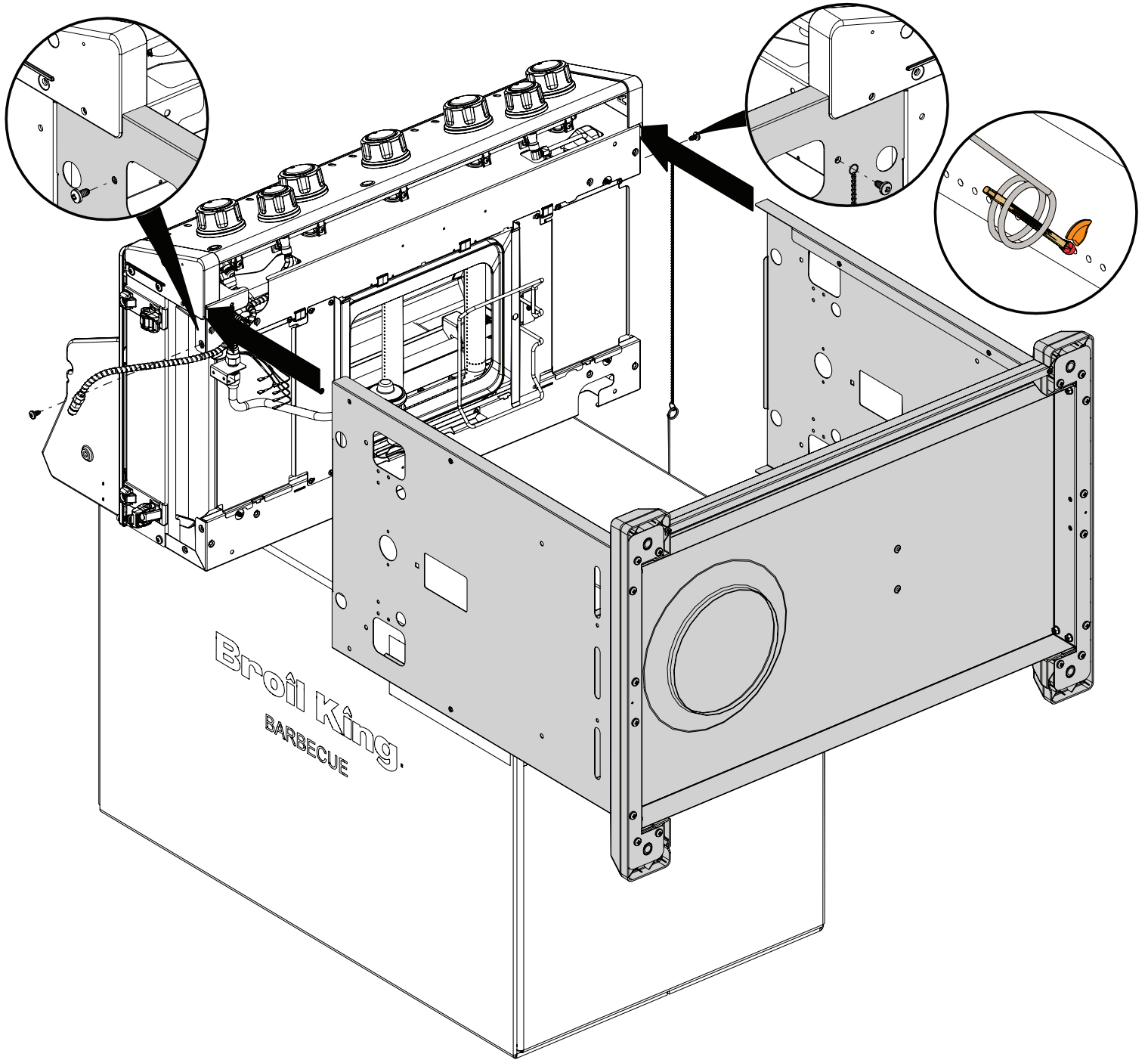
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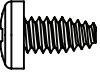


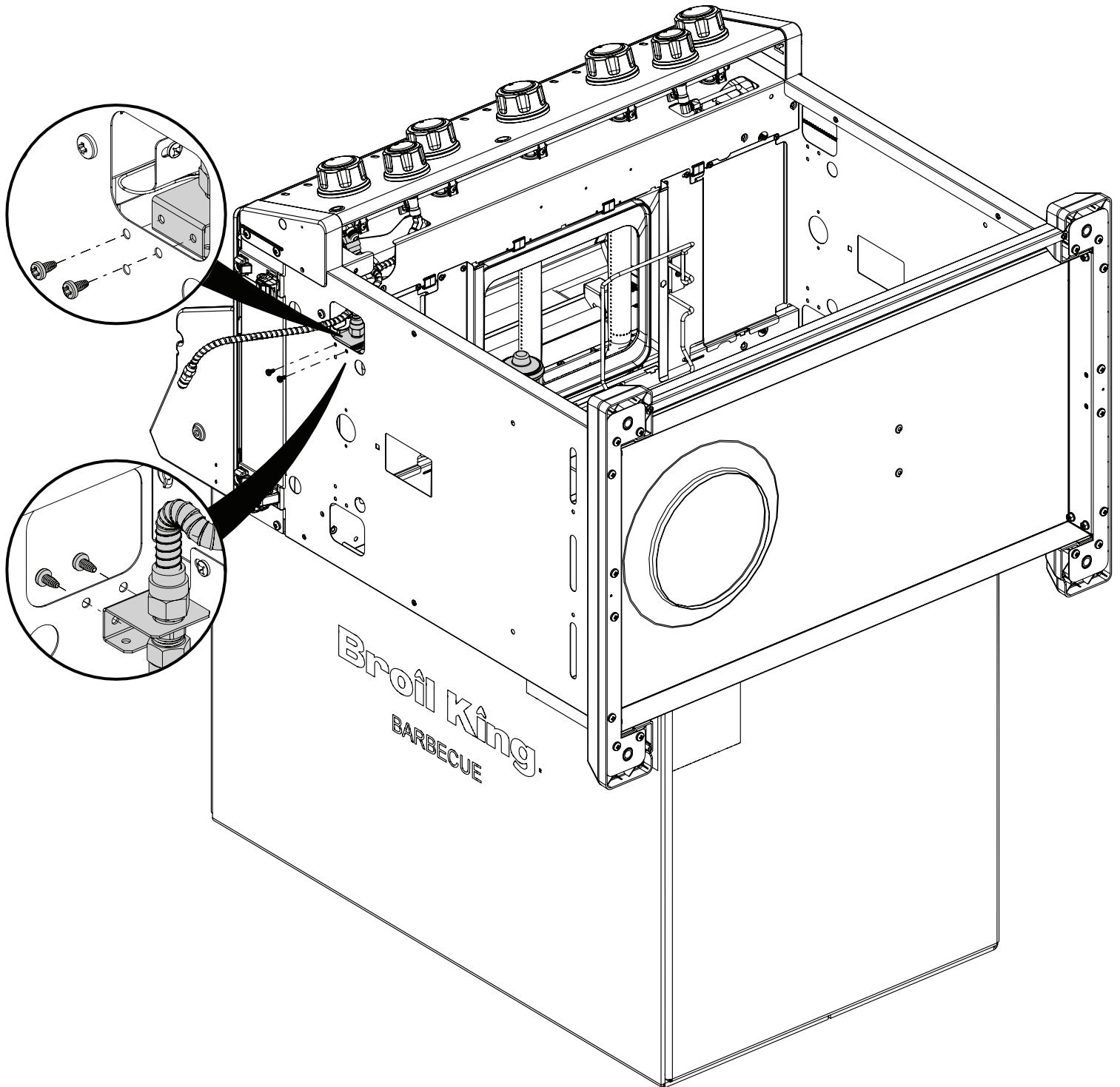
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(2) (1)



7

(2) 



# 8

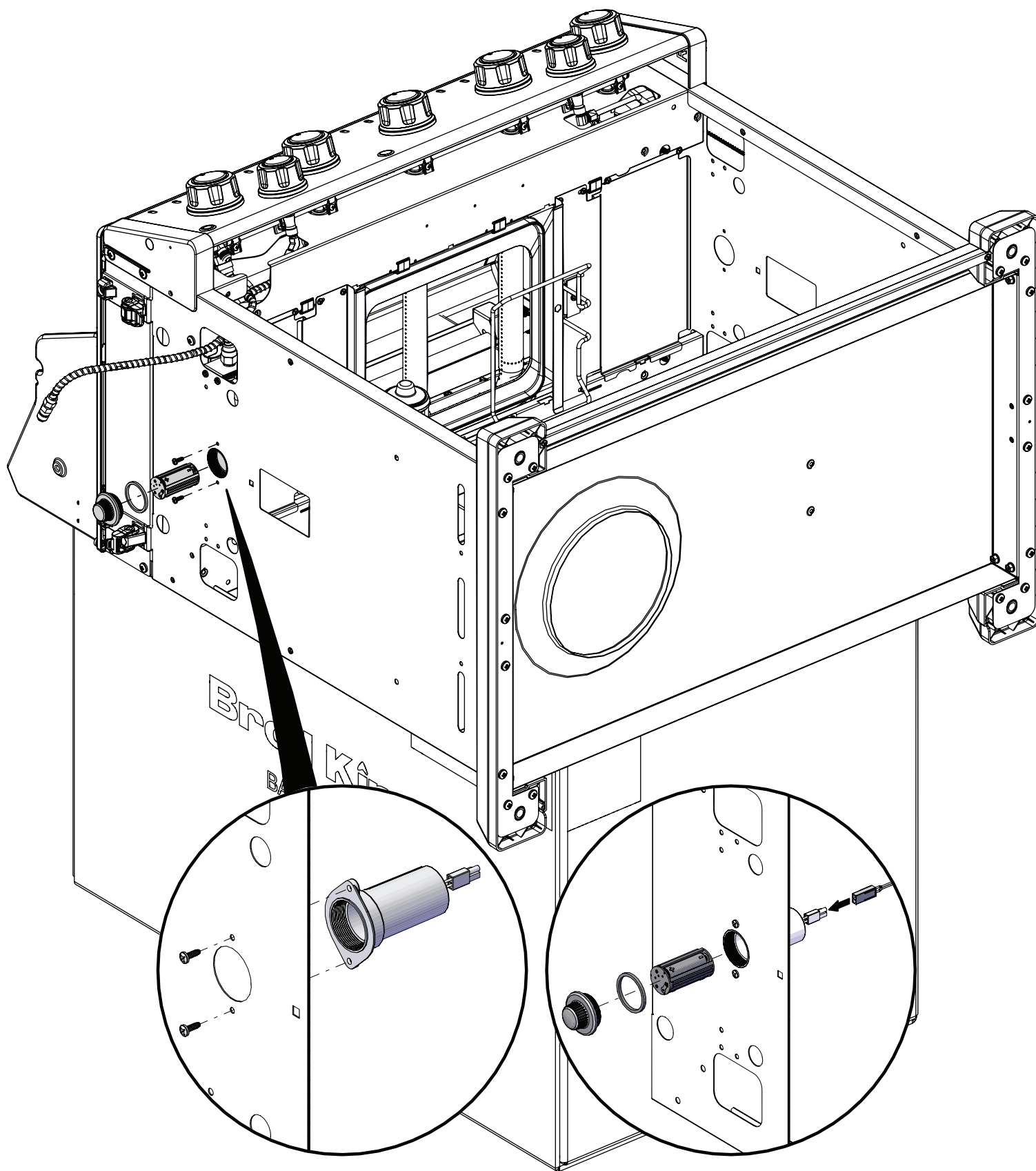
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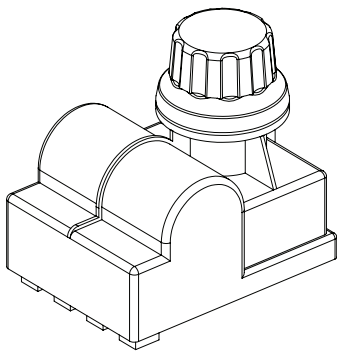
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AA

-

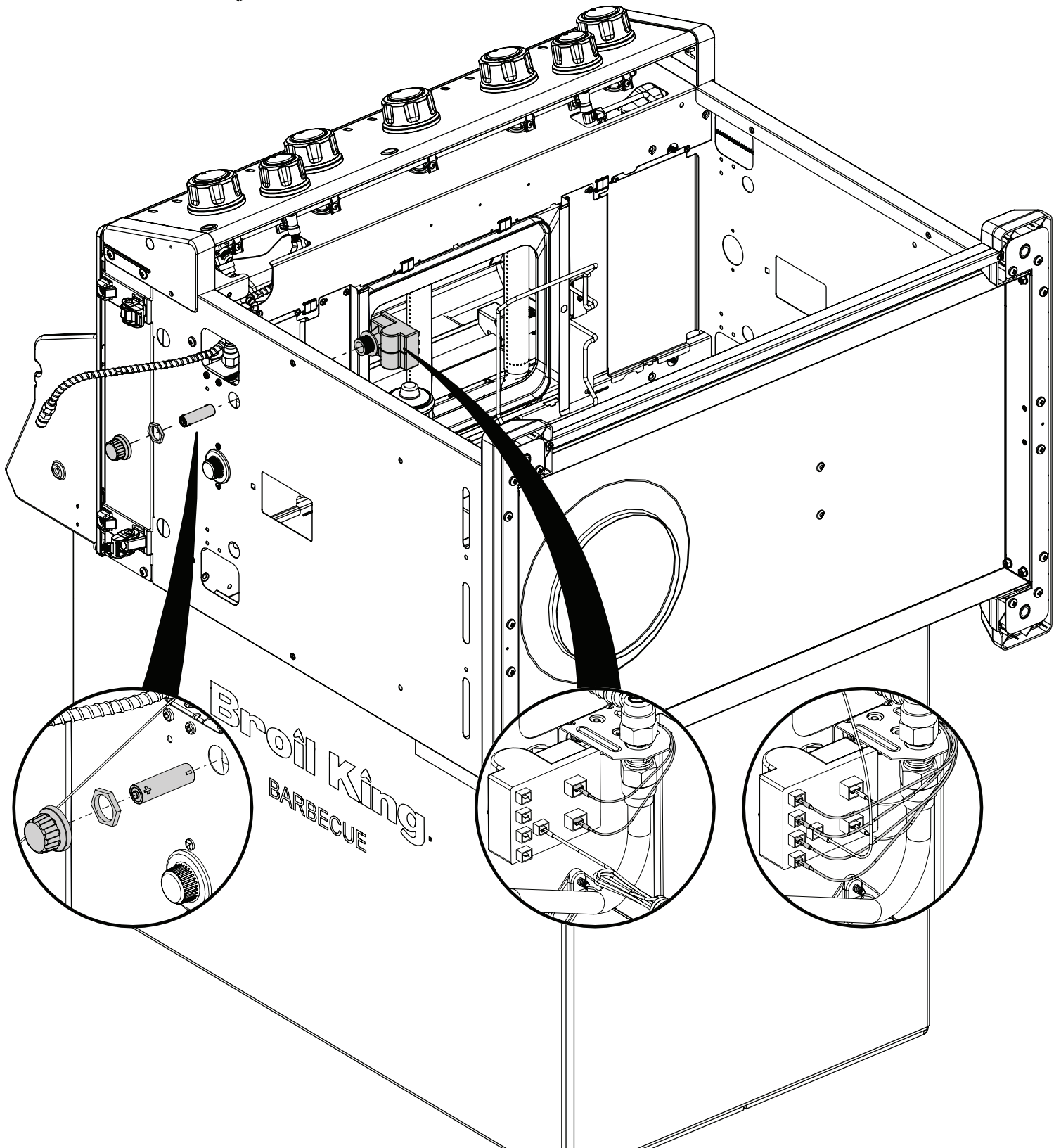


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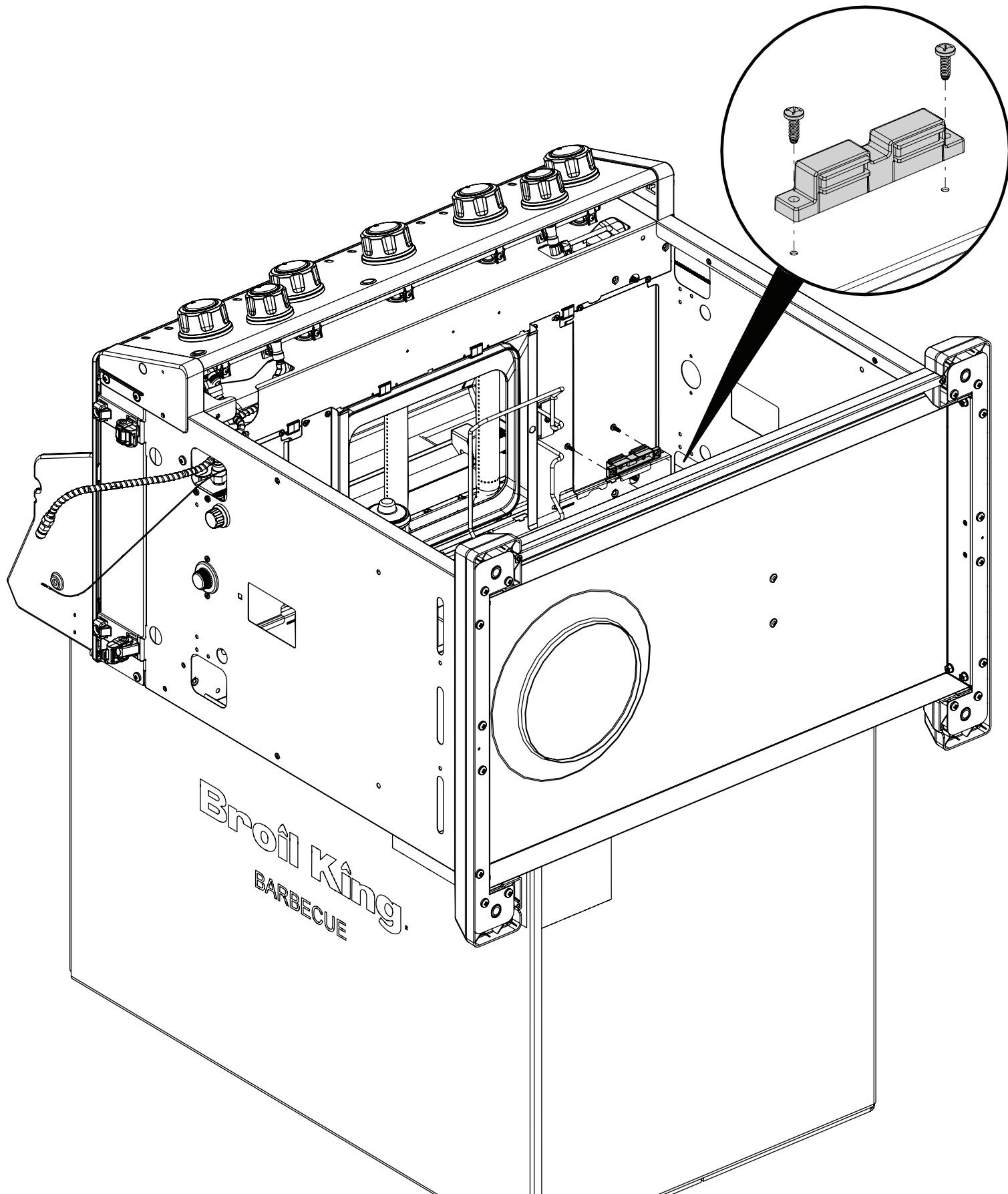
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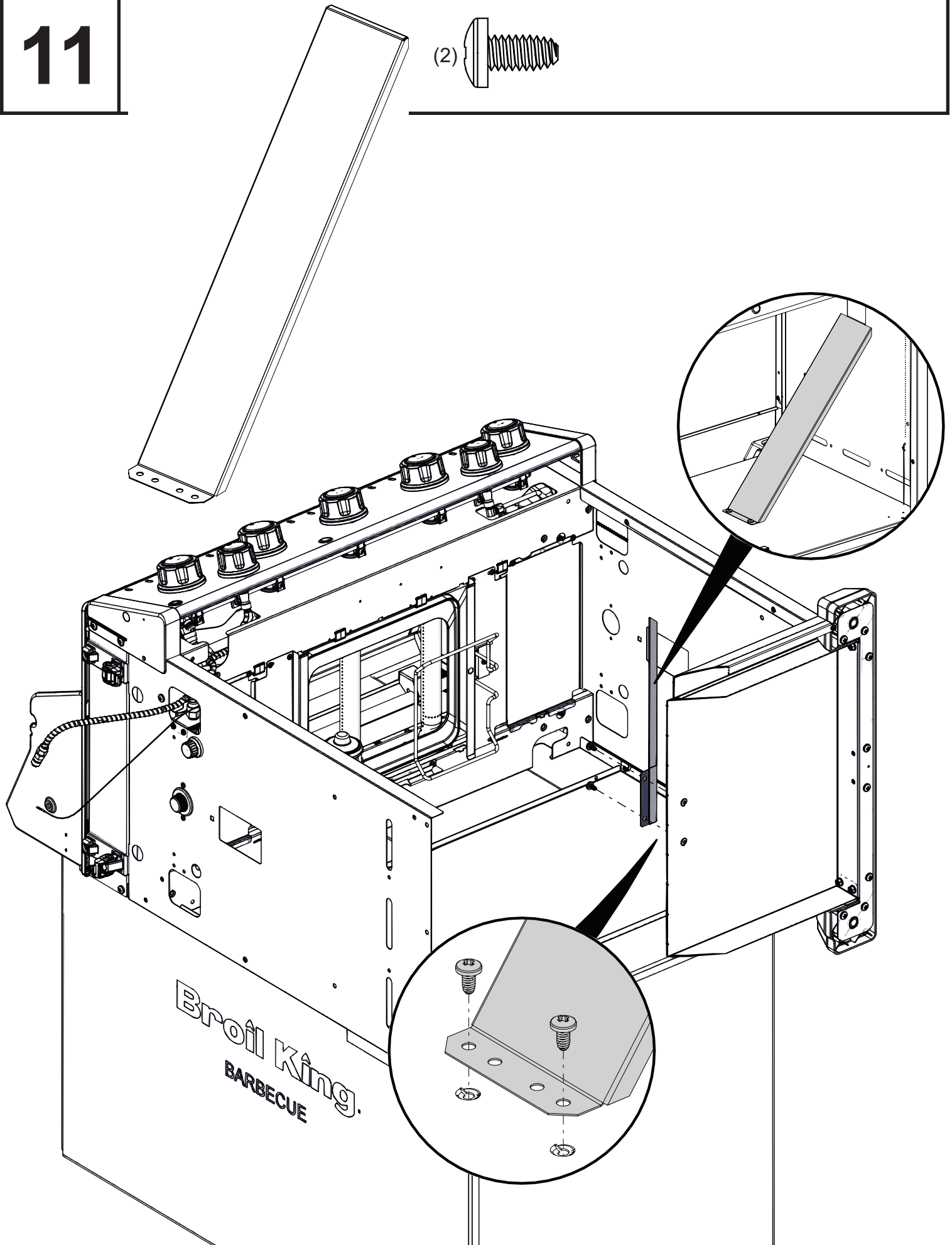
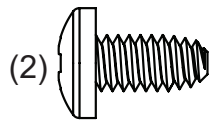


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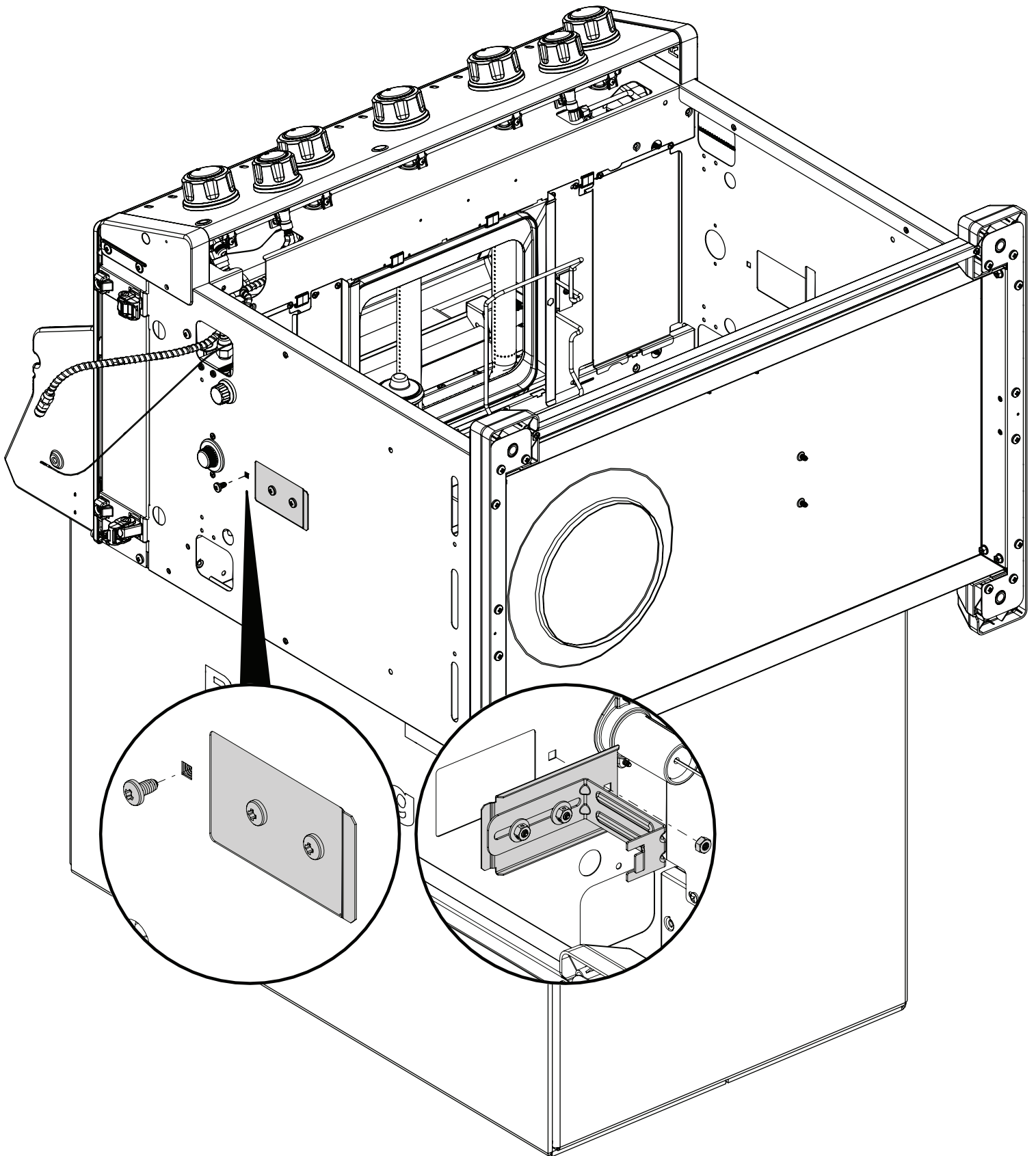
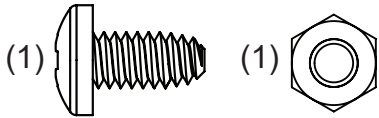
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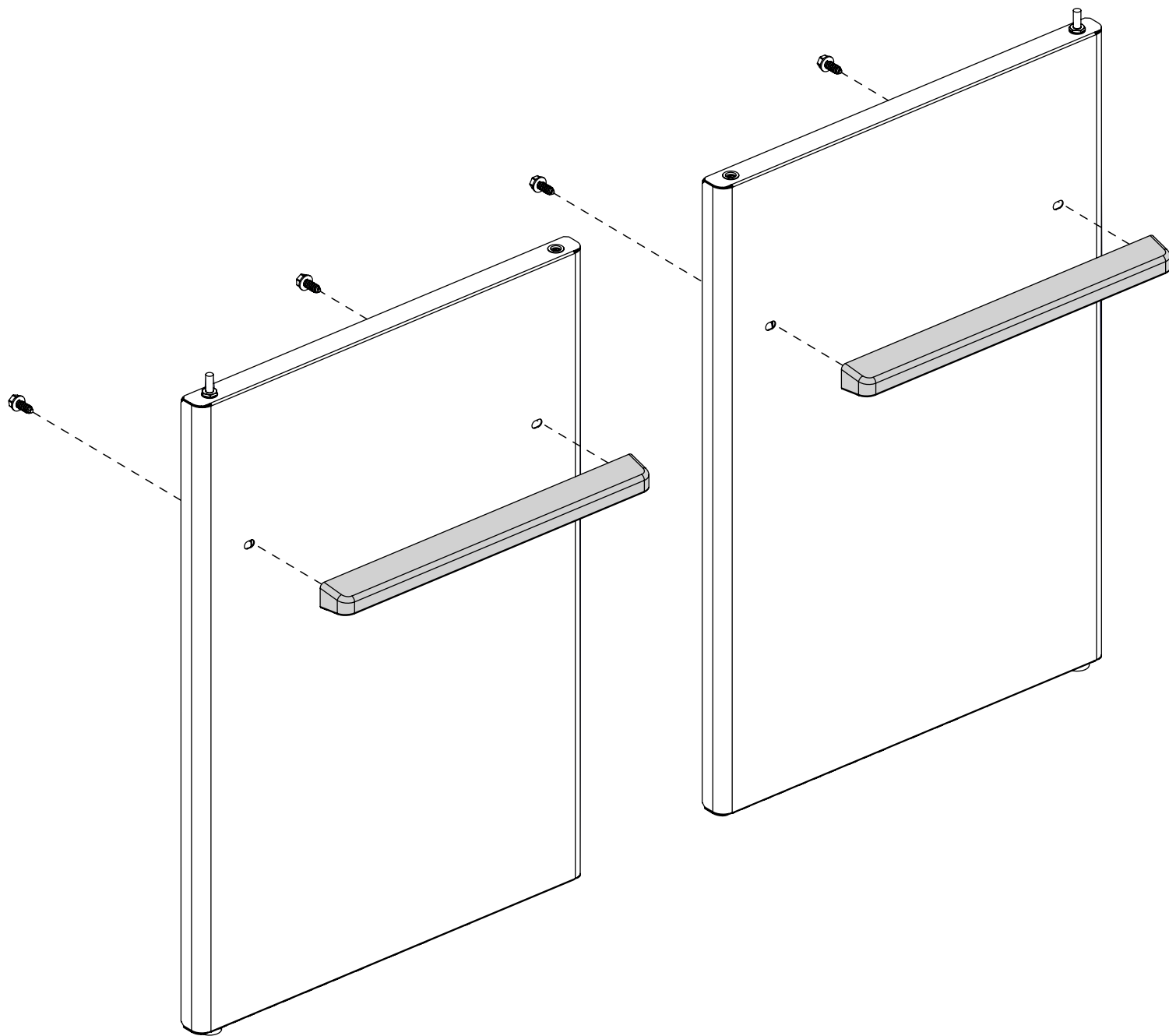
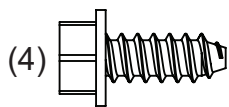
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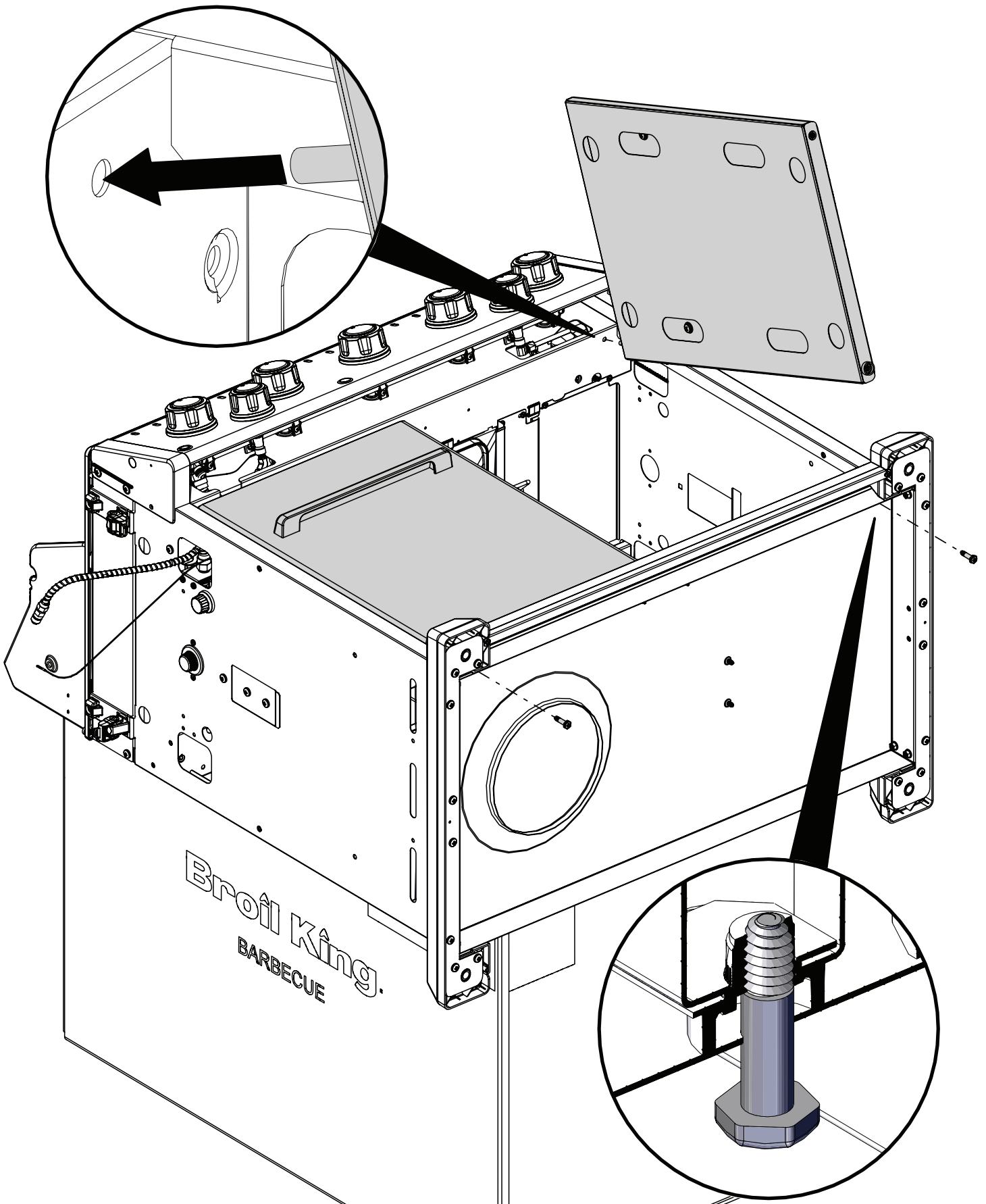
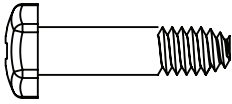


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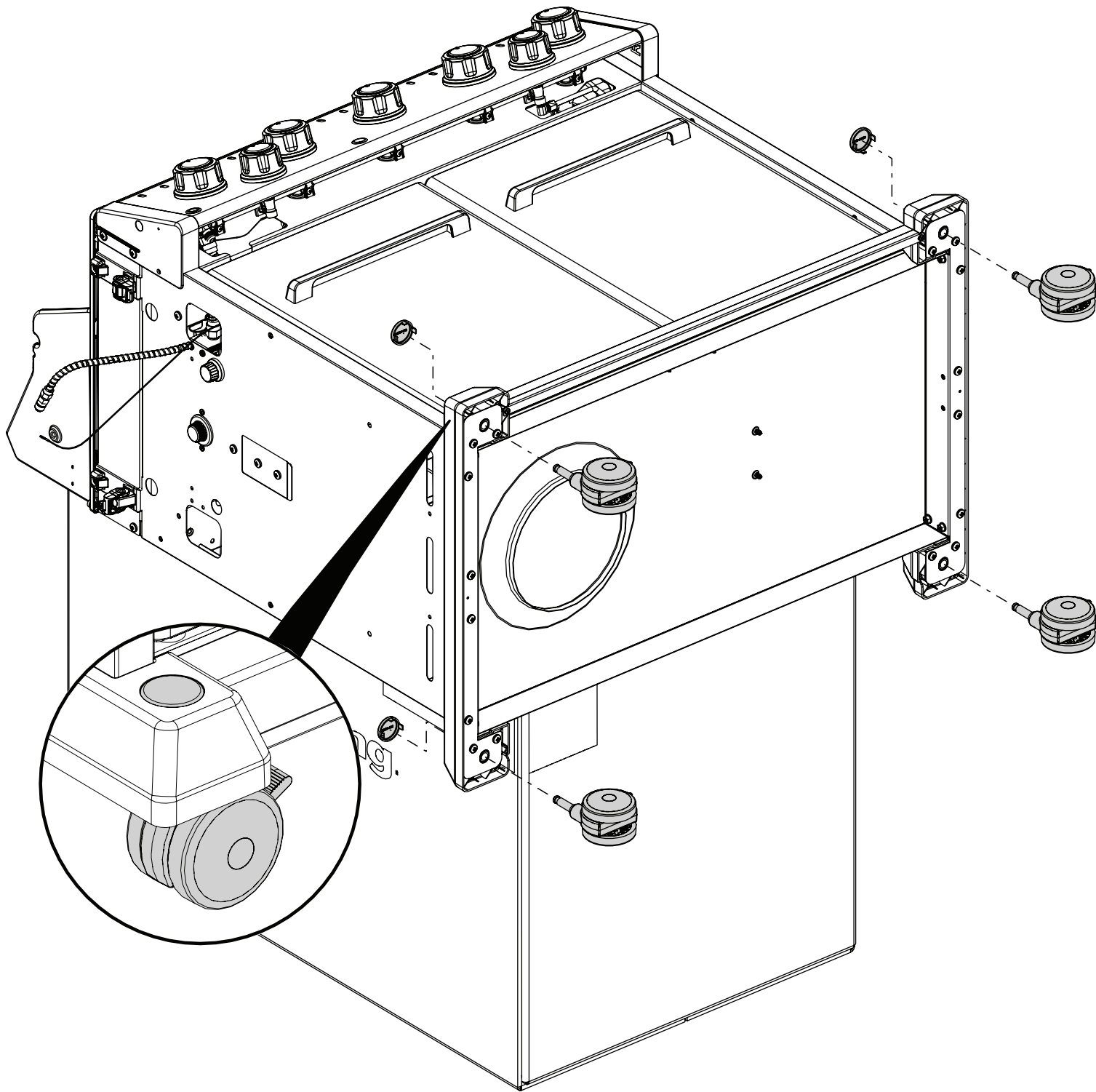
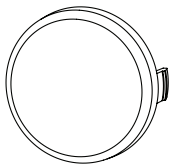
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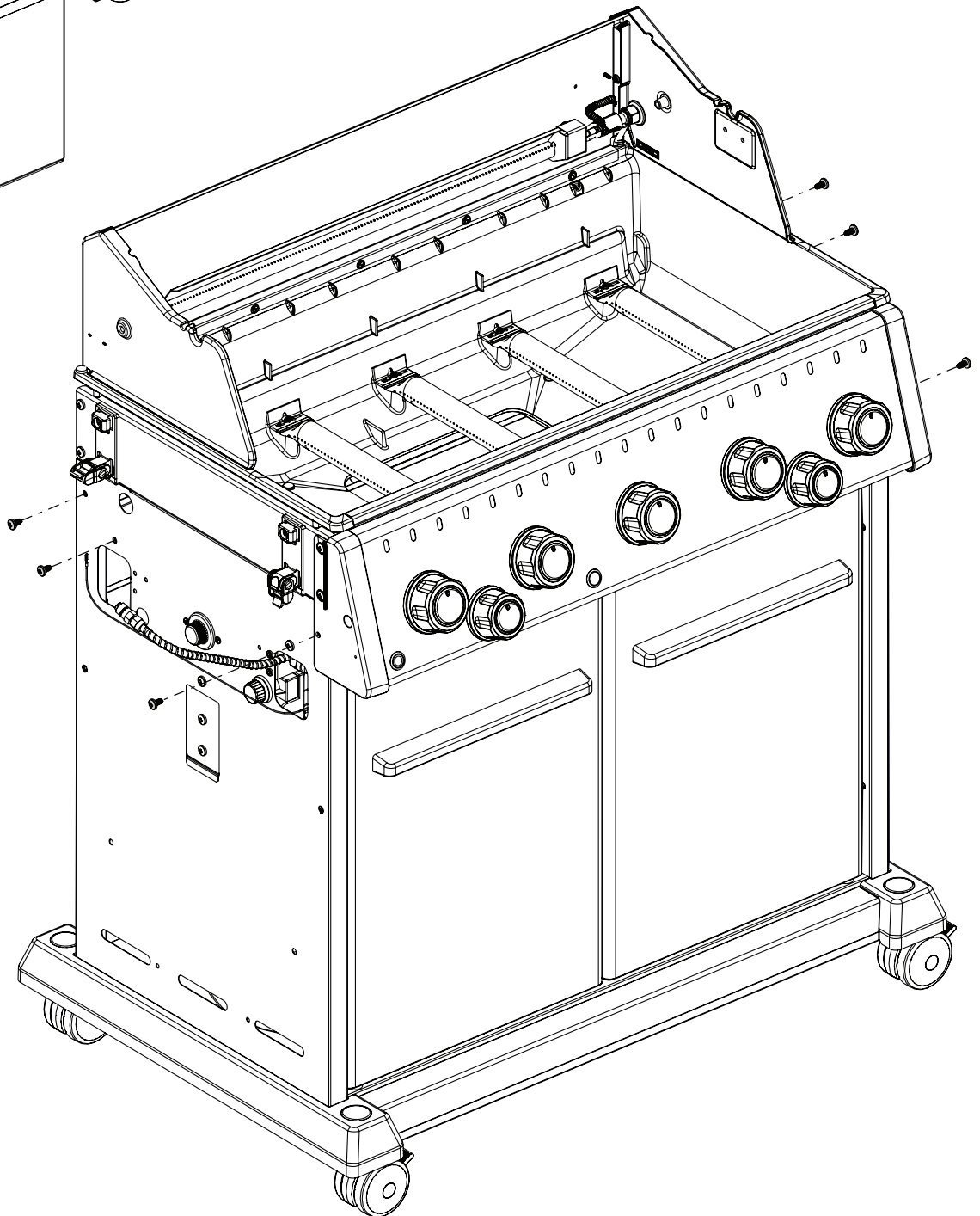
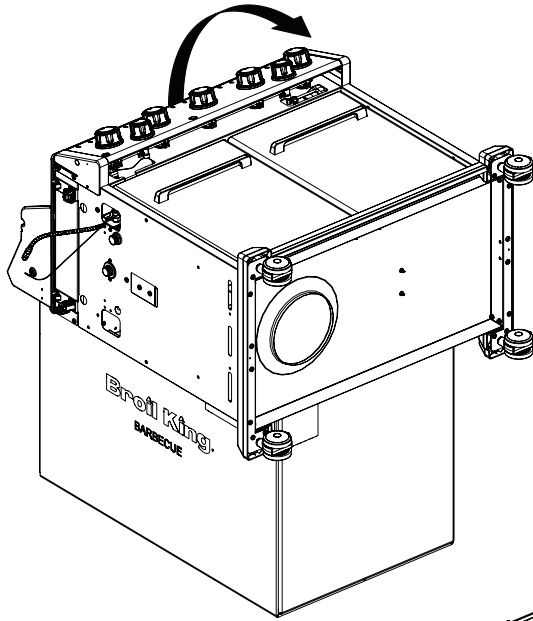
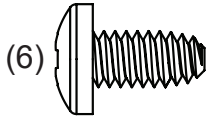


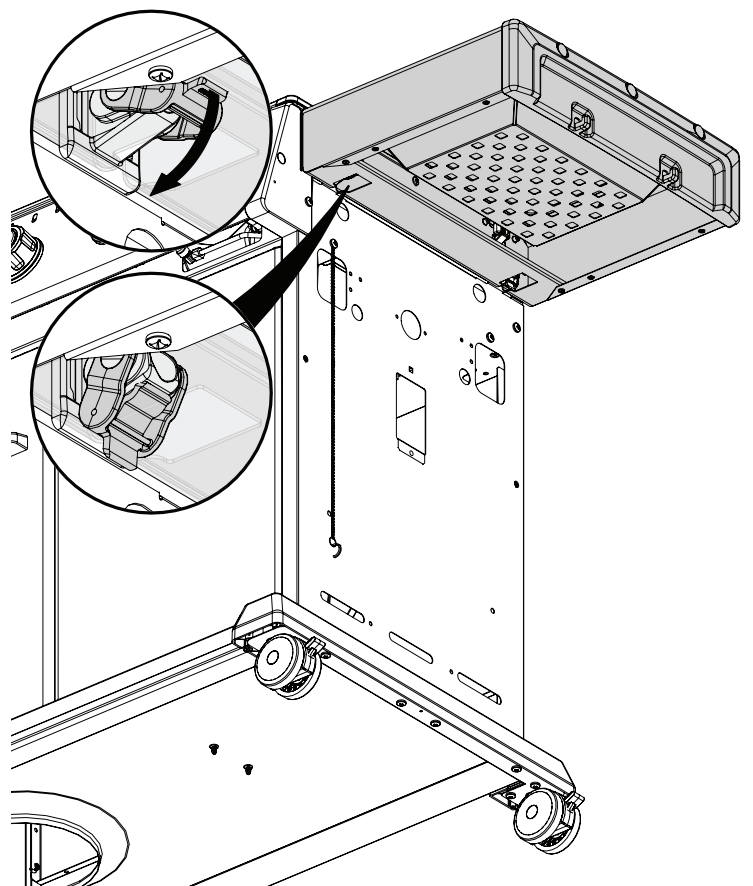
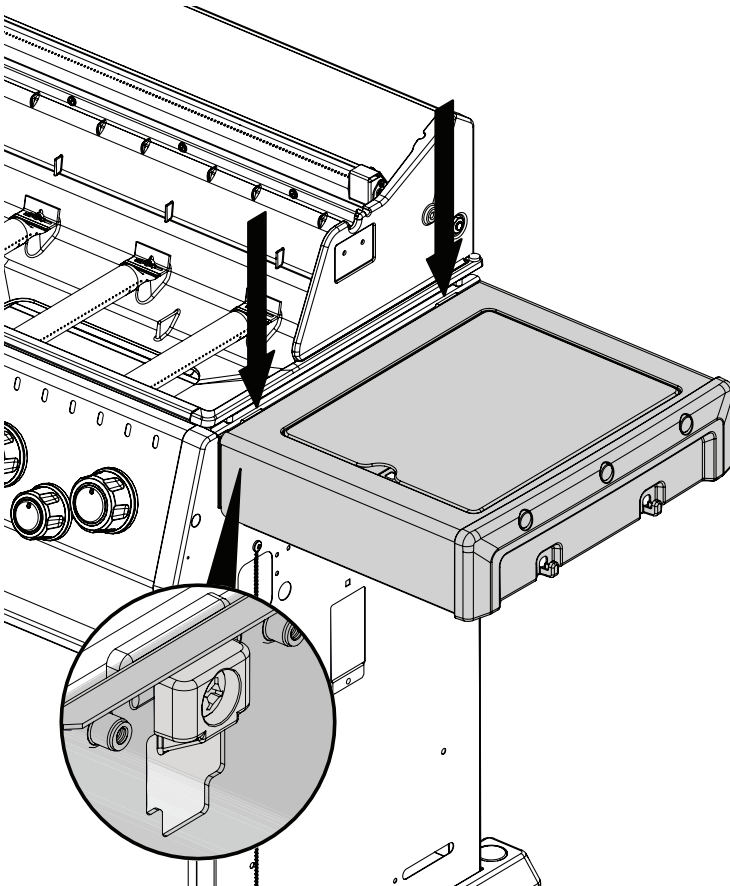
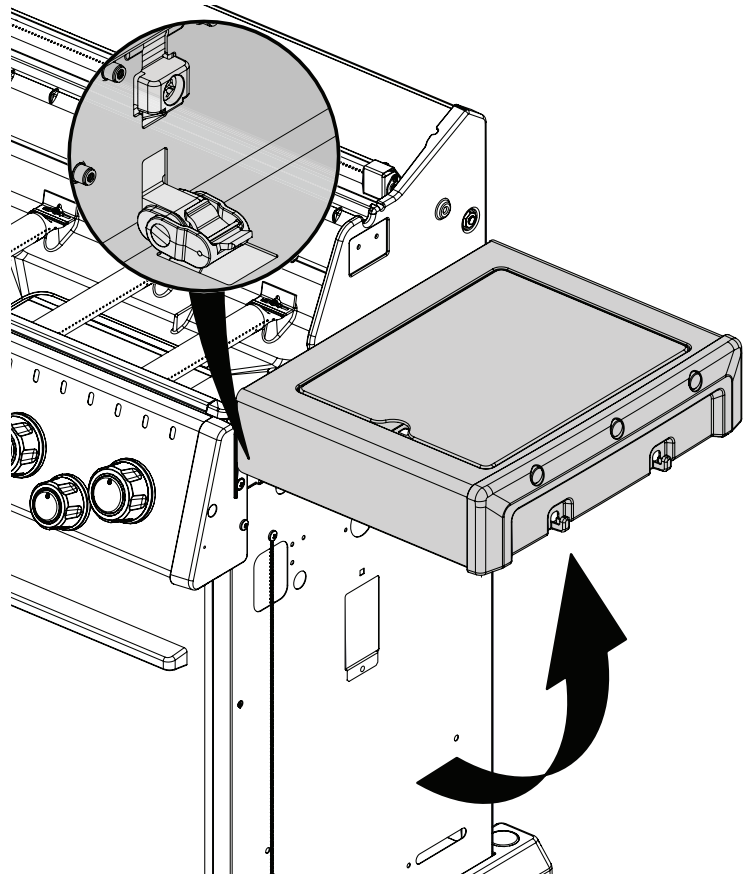
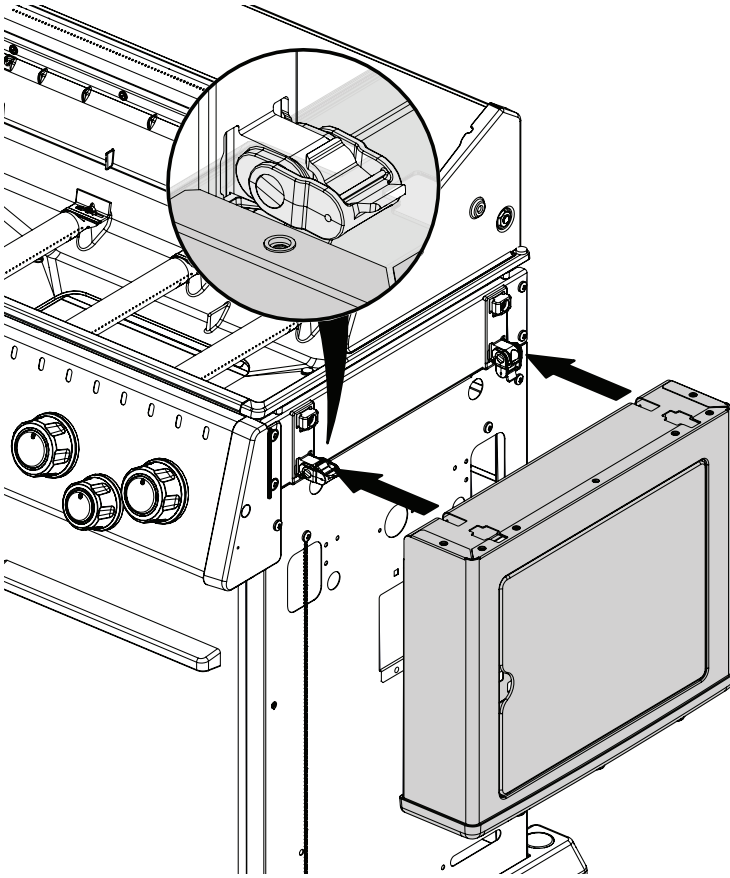
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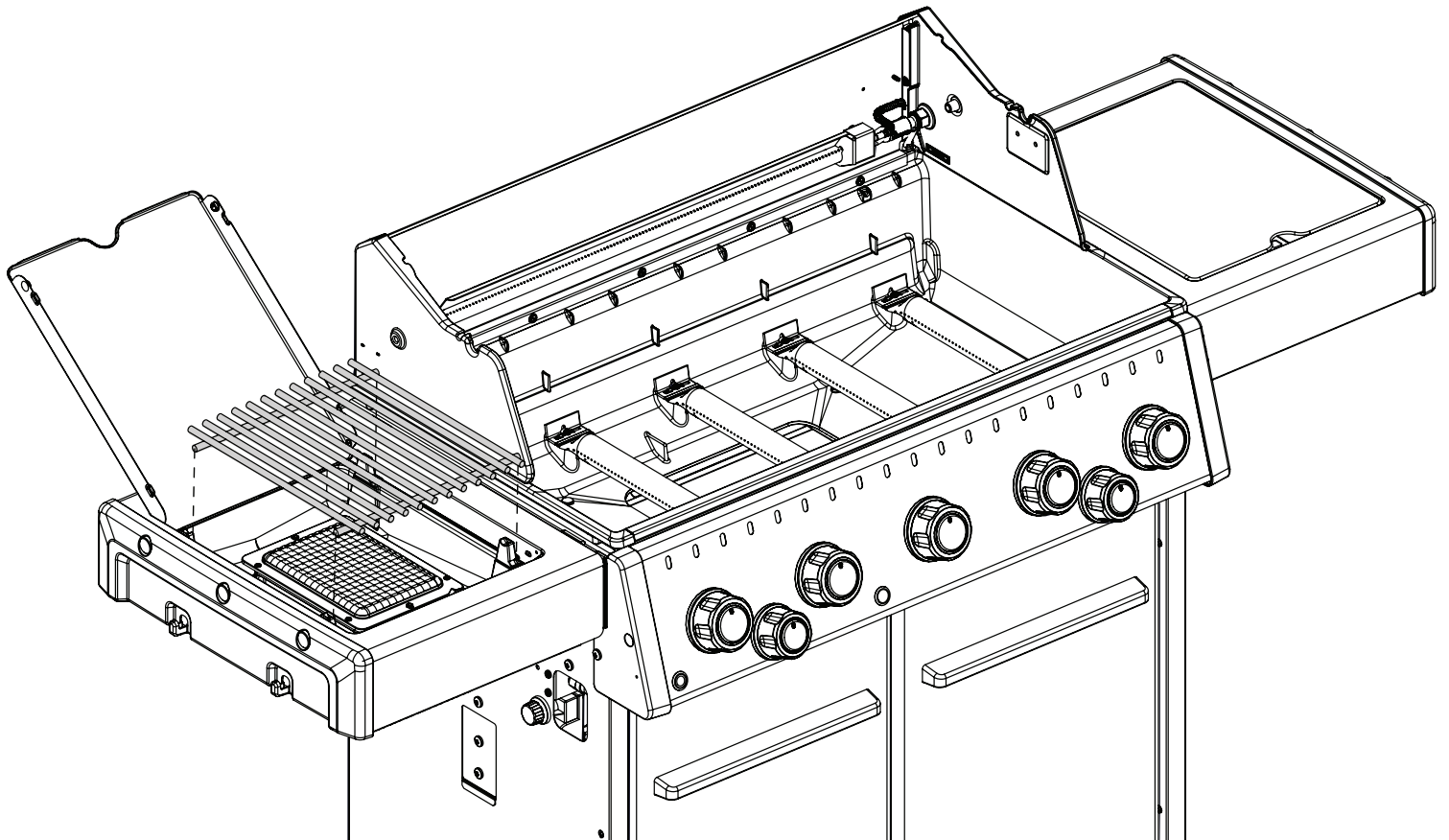
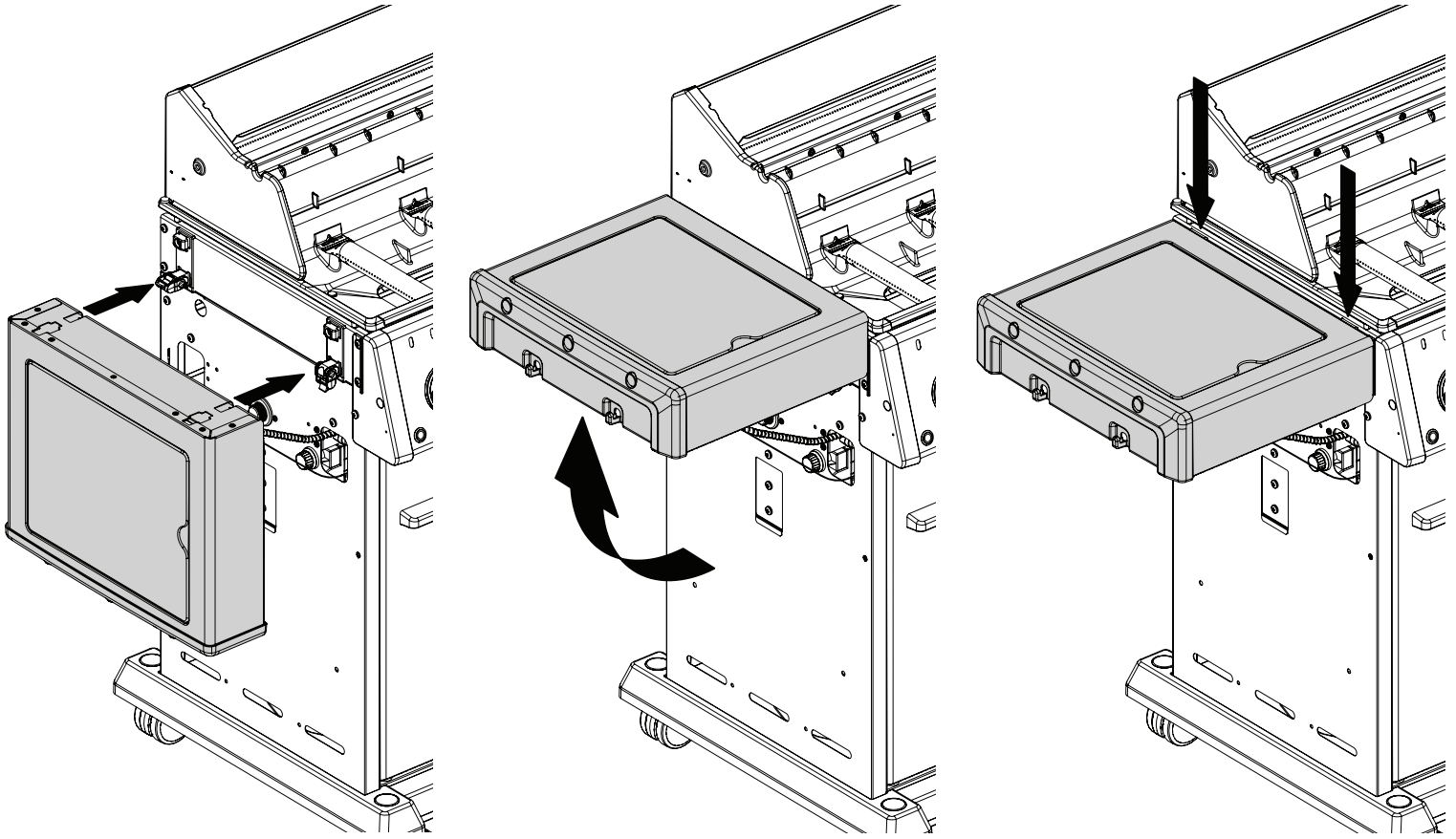
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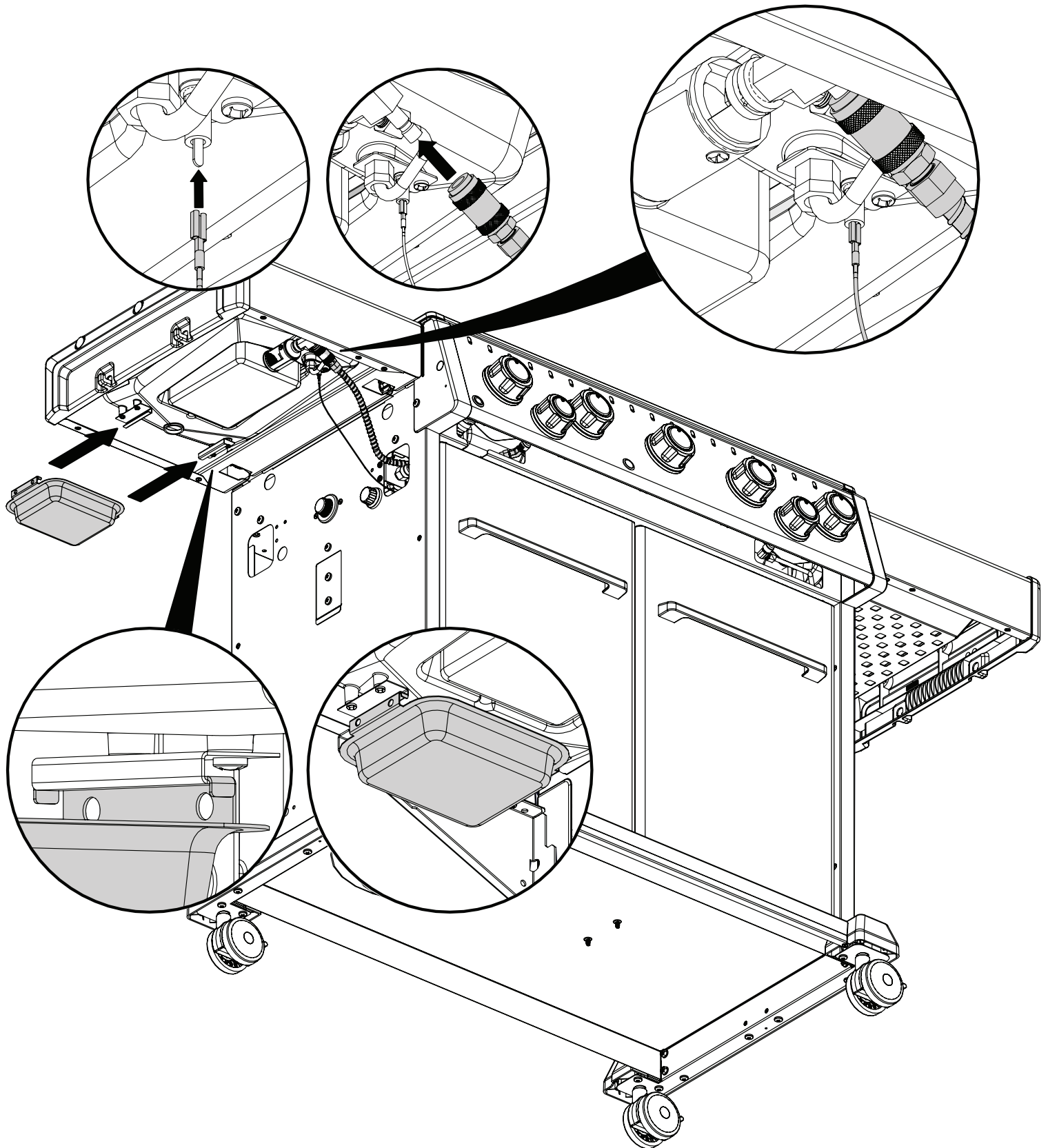


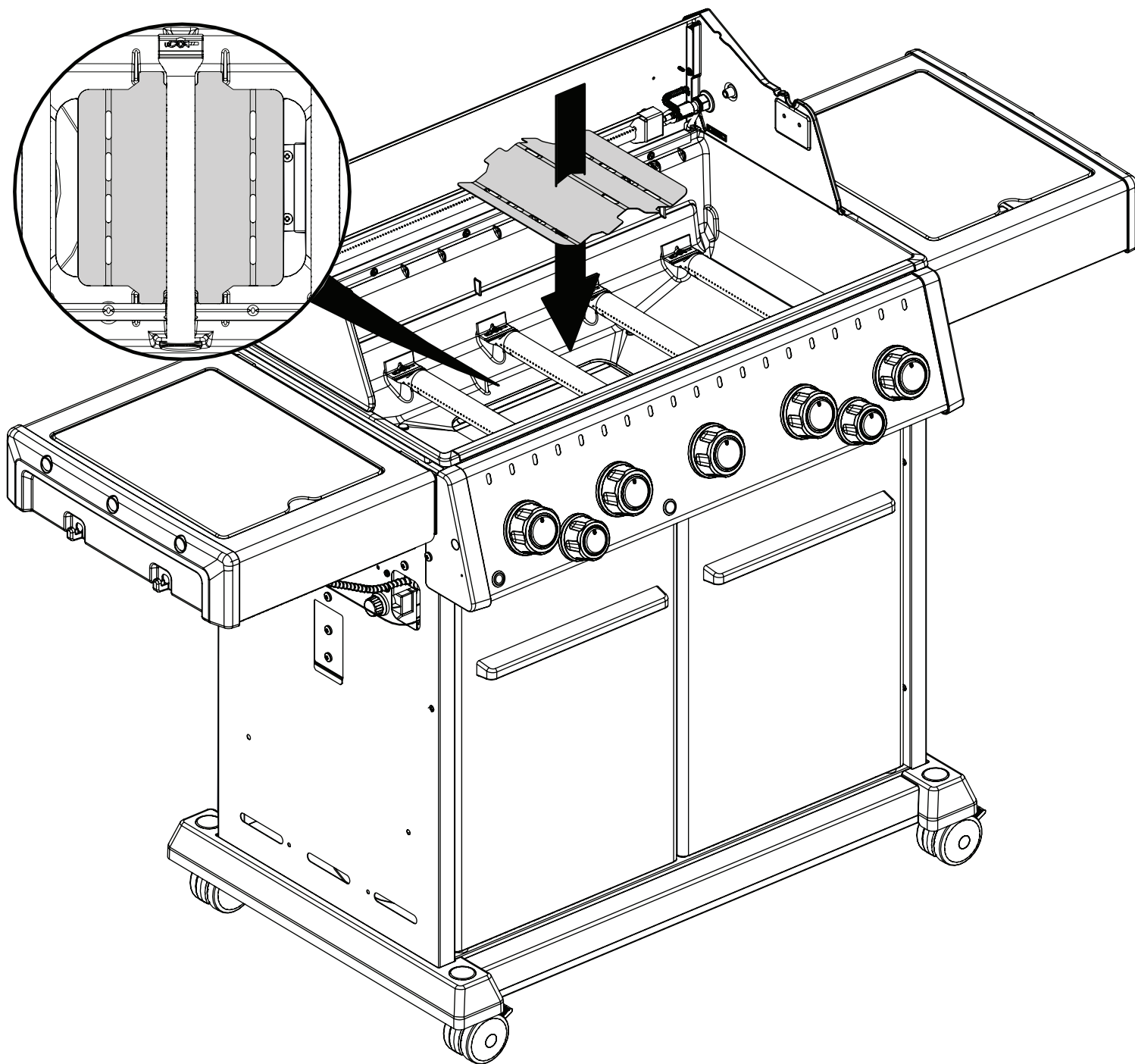
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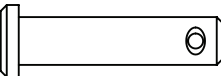
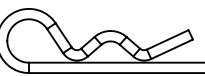


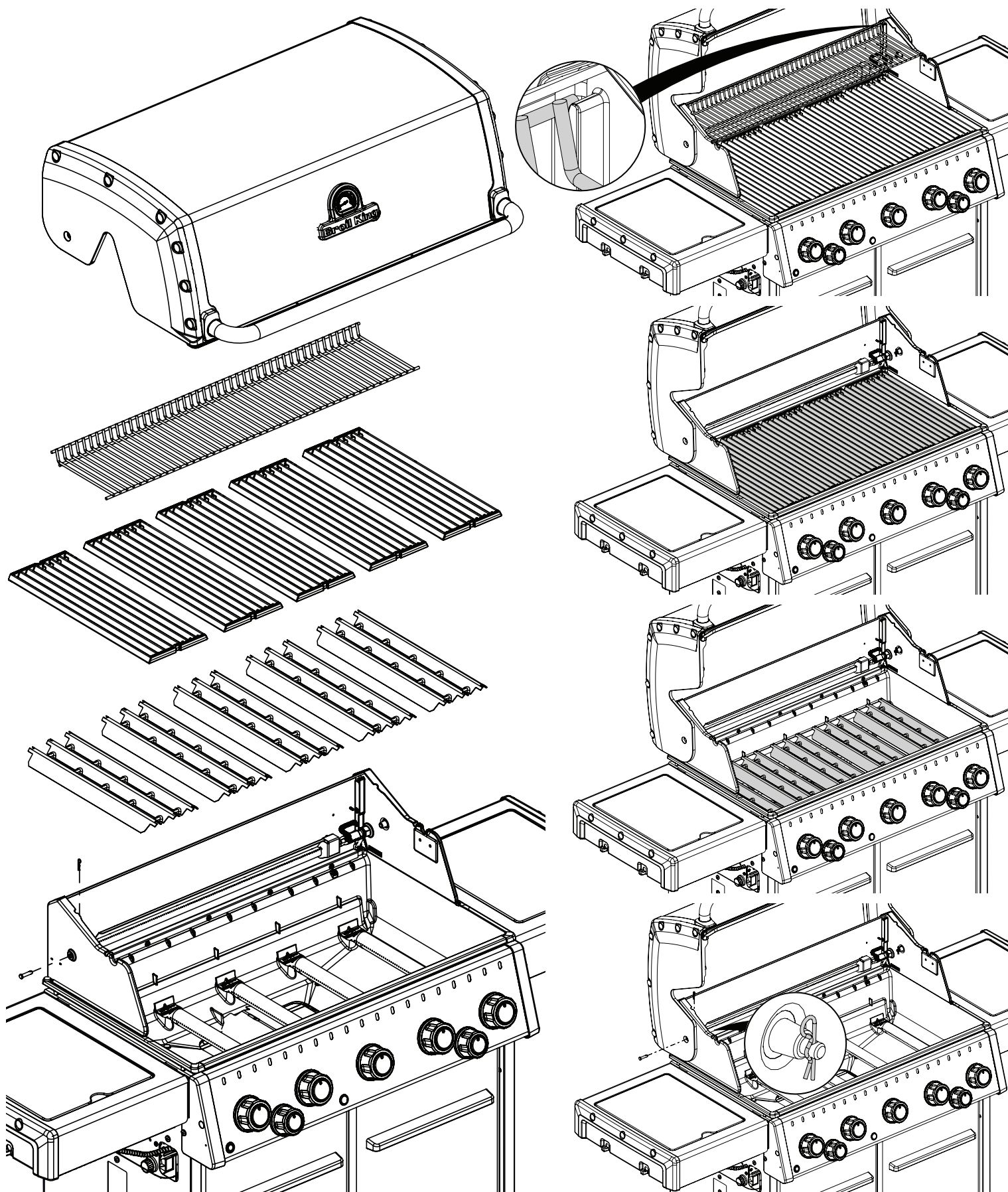


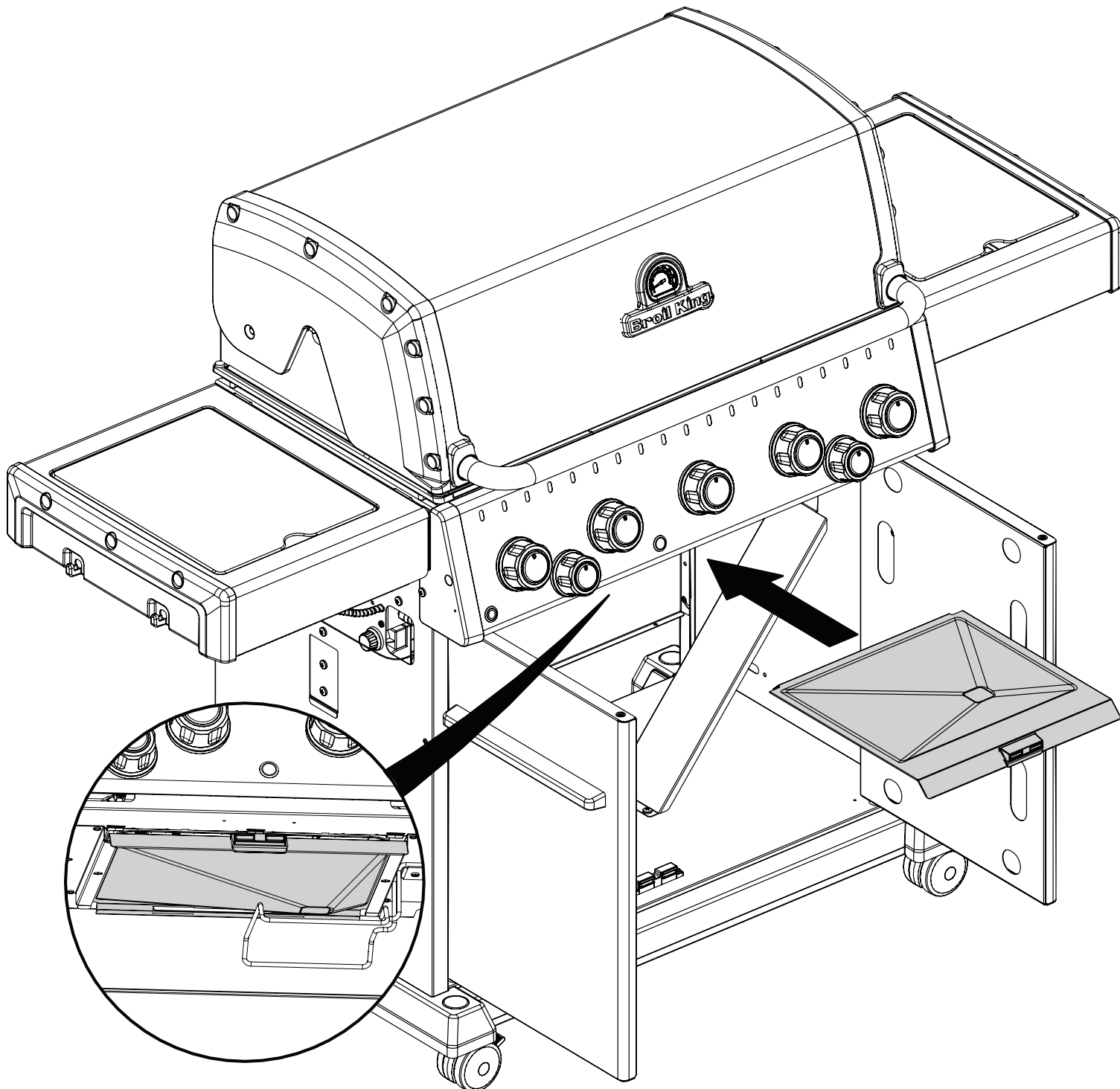


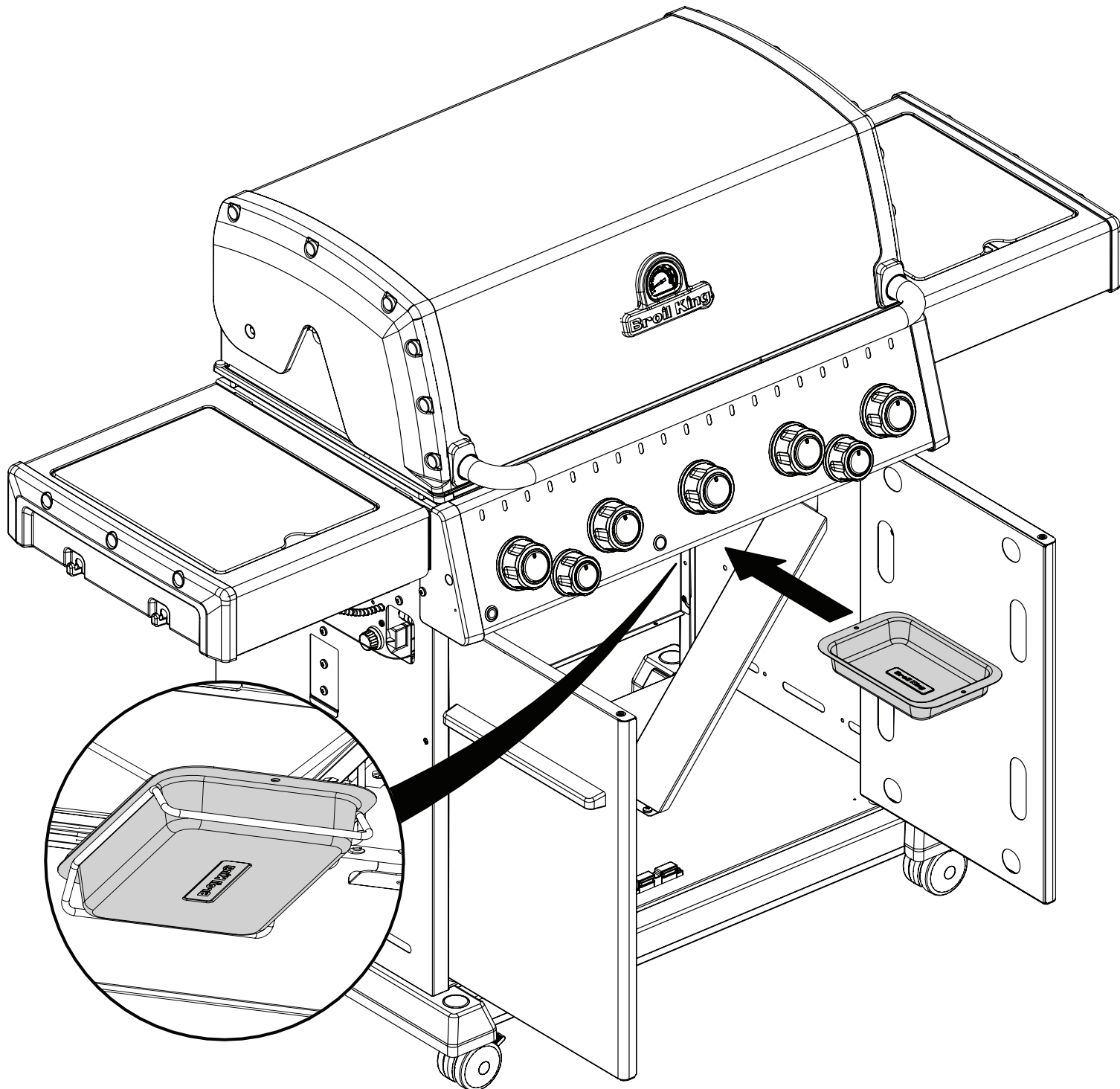




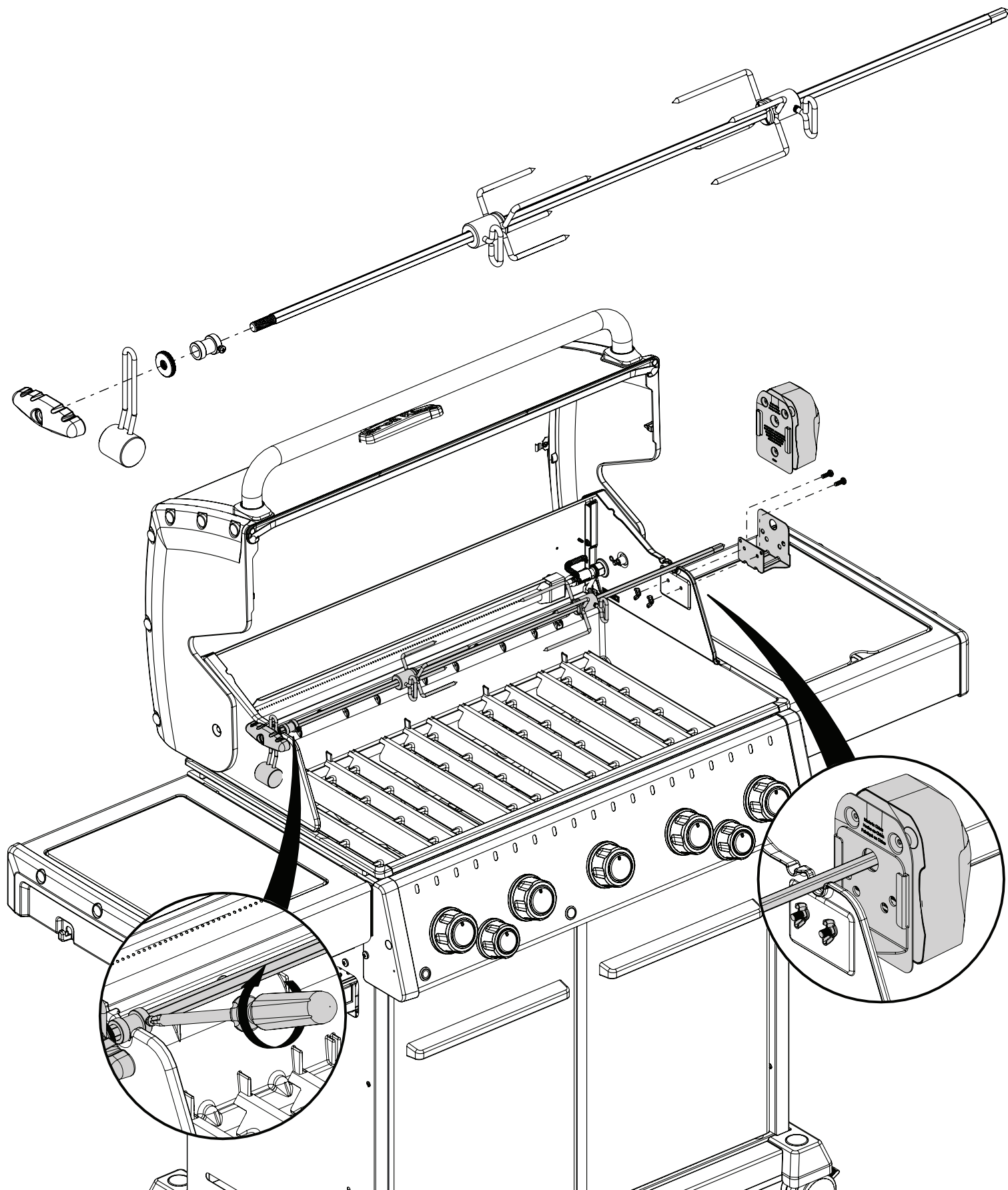
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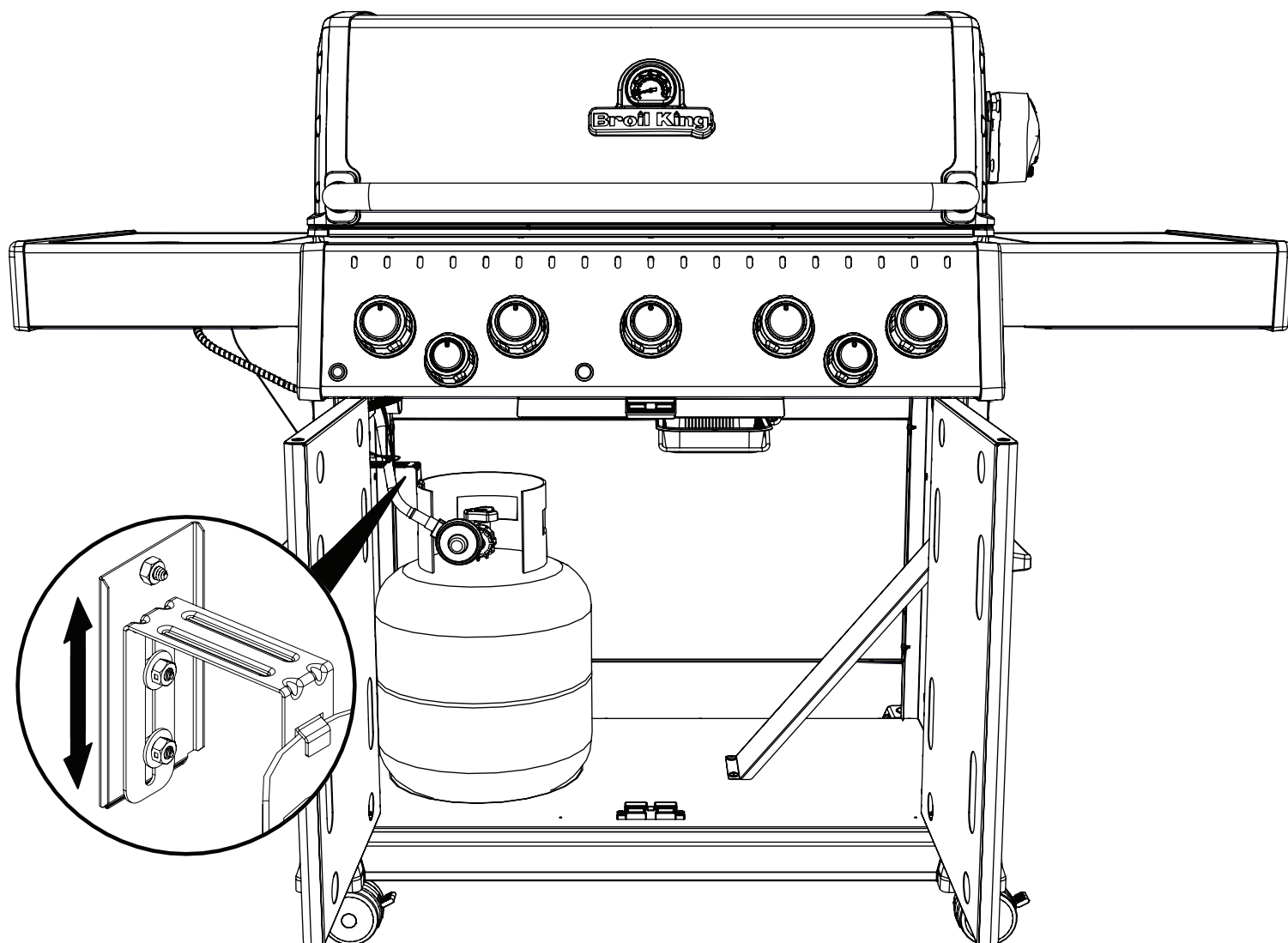






24





**PARTS LIST / LISTE DES PIÈCES**

| <b>KEY #</b> | <b>ITEM #</b> | <b>DESCRIPTION</b>       | <b>DESCRIPTION</b>                  | <b>6783-44</b> |
|--------------|---------------|--------------------------|-------------------------------------|----------------|
| 1            | 42326-001     | FIREBOX ASSEMBLY         | ASSEMBLAGE DE LA CHAMBRE À FEU      | 1              |
| 2            | 66006-404A    | LID ASSEMBLY             | ASSEMBLAGE DU COUVERCLE             | 1              |
| 7            | Y-11544S      | SCREW - BURNER           | VIS - BRÛLEUR                       | 5              |
| 8            | S21242        | BURNER CLIP              | ATTACHE DE CHEVILLE                 | 5              |
| 18           | 52009-372     | COOKING GRID             | GRILLE                              | 5              |
| 20           | 52006-992     | GRID - WARMING RACK      | GRILLE - MAINTIEN AU CHAUD          | 1              |
| 22           | 22026-903A    | COLLECTOR BOX            | RECIPIENT                           | 1              |
| 24           | 22051-91A     | LED ASSEMBLY             | DIODES ÉLECTROLUMINESCENTES         | 7              |
| 25           | 52929-104LP   | BURNER                   | BRÛLEUR                             | 5              |
| 26           | 22602-711A    | CONTROL KNOB             | BOUTON DE CONTROLE                  | 5              |
| 27           | 22601-711A    | CONTROL KNOB             | BOUTON DE CONTROLE                  | 2              |
| 28           | 52106-894     | CONTROL COVER            | PANNEAU DE CONTROLE                 | 1              |
| 29           | Y-11544S      | BEZEL STOP               | OBTURATEUR                          | 1              |
| 30           | Y-12674       | KNOB ADAPTER             | ADAPTATEUR DE BOUTON                | 1              |
| 31           | 52029-918     | EDGE CAP - LH            | PAC DE BORD - CÔTE GAUCHE           | 1              |
| 32           | 52029-938     | EDGE CAP - RH            | PAC DE BORD - CÔTE DROITE           | 1              |
| 33           | 10153-93      | QUICK DISCONNECT FITTING | ACCOUPLEMENT À DÉBRANCHEMENT RAPIDE | 1              |
| 35           | 59806-074IR   | CONTROL ASSEMBLY         | SOUPAPE                             | 1              |
| 36           | 10111-16A     | HOSE                     | TUYAU                               | 1              |
| 37           | 53139-908     | SHELF BRACKET            | SUPPORT DE TABLETTE LATÉRALE        | 4              |
| 38           | Y-12620       | SHELF LOCK CLIP          | AGRAFE SERRURE                      | 4              |
| 40           | 10114-16      | REGULATOR                | RÉGULATEUR DE GAZ                   | 1              |
| 41           | 10342-E13     | ELECTRODE                | ELECTRODE                           | 1              |
| 43           | 10342-E38     | ELECTRODE                | ELECTRODE                           | 1              |
| 44           | 10342-44      | ELECTRONIC IGNITOR       | ALLUMAGE ÉLECTRONIQUE               | 1              |
| 44A          | 25070-925     | WIRE - IGNITOR           | FIL ÉLECTRIQUE - ALLUMAGE           | 1              |
| 44B          | 25070-93      | BUTTON - IGNITOR         | BOUTON - ALLUMAGE                   | 1              |
| 49           | 51009-007     | GREASE PAN               | CUVETTE A GRAISSE                   | 1              |
| 50           | 55056-104R    | GREASE RAIL              | GUIDE DU BAC A GRAISSE              | 2              |
| 51           | 52009-104     | FLAV-R-WAVE ®            | FLAV-R-WAVE ®                       | 5              |
| 52           | 52649-104     | HEAT TENT                | PROTECTION CONTRE LA GRAISSE        | 1              |
| 53           | 52059-204     | REAR STOP                | ARRÊT ARRIÈRE                       | 1              |
| 54           | 52059-004A    | GREASE TRAY              | PLATEAU A GRAISSE                   | 1              |
| 55           | 52039-014     | GREASE BALE              | GUIDE DU BAC A GRAISSE              | 1              |
| 56           | 24006-12A     | HANDLE                   | POIGNÉE                             | 1              |
| 58           | 54009-936     | BEZEL                    | MONTURE                             | 2              |
| 59           | 10081-BK630   | NAMEPLATE                | PLAQUE D'IDENTIFICATION             | 1              |
| 60           | 10571-6       | HEAT INDICATOR           | INDICATEUR DE CHALEUR               | 1              |
| 62           | 53409-138     | SHELF END CAP            | PAC DU BORD                         | 2              |
| 65           | 20005-000     | MATCH LIGHT - STICK      | ALLUMETTES                          | 1              |
| 68           | 51276-214A    | DOOR                     | PORTE                               | 1              |
| 69           | 51276-234A    | DOOR                     | PORTE                               | 1              |
| 70           | 51476-138     | HANDLE                   | POIGNÉE                             | 2              |
| 80           | 41189-1011A   | SIDE PANEL               | PANNEAU LATÉRALE                    | 2              |
| 82           | 51606-104     | BASE TRIM                | GARNITURE DE BASE INFÉRIEURE        | 1              |
| 83           | 51231-9011    | CABINET BRACKET          | SUPPORT DE CABINET                  | 1              |
| 87           | Y-11793       | NUT 1/4-20               | ECROU 1/4-20                        | 7              |
| 88           | 51386-2011    | PANEL - REAR             | PANNEAU - ARRIÈRE                   | 1              |
| 90           | 51626-1411    | BASE                     | TABLETTE INFÉRIEURE                 | 1              |
| 92           | 64036-104     | GASKET BRACKET           | SUPPORT DE JOINT                    | 1              |
| 93           | 54006-10      | LID GASKET - CENTER      | JOINT DE COUVERCLE - CENTRE         | 1              |
| 94           | 64049-11      | LID GASKET - RH          | JOINT DE COUVERCLE - CÔTÉ DROIT     | 1              |
| 95           | 64049-13      | LID GASKET - LH          | JOINT DE COUVERCLE - CÔTÉ GAUCHE    | 1              |
| 99           | 32001-151     | CASTOR BRACKET CAP       | CASQUETTE                           | 4              |
| 100          | 51639-108     | CASTOR BRACKET           | SUPPORT DE ROULLETTE                | 2              |
| 101          | 56139-1411    | TANK BRACKET             | SUPPORT DU RESERVOIR                | 1              |
| 102          | 10892-286     | CASTOR                   | ROULETTES                           | 4              |
| 103          | 20005-001N    | TANK BRACKET             | SUPPORT DU RESERVOIR                | 1              |

**PARTS LIST / LISTE DES PIECES**

| <b>KEY #</b> | <b>ITEM #</b> | <b>DESCRIPTION</b>        | <b>DESCRIPTION</b>          | <b>6783-44</b> |
|--------------|---------------|---------------------------|-----------------------------|----------------|
| 113          | 10342-T14     | SIDE BURNER ELECTRODE     | ELECTRODE                   | 1              |
| 114          | 43150-654     | SHELF - RIGHT             | PLANCHETTE LATÉRALE         | 1              |
| 115          | 53150-654     | SHELF - SB - LEFT         | PLANCHETTE LATÉRALE         | 1              |
| 116          | 69826         | WOK                       | WOK                         | 1              |
| 123          | Y-12117       | BUSHING                   | DOUILLE                     | 4              |
| 125          | 23000-253     | SIDE BURNER COVER         | COUVERCLE LATÉRAL           | 2              |
| 126          | 20395-4A      | SIDE BURNER               | BRULEUR DE COTE             | 1              |
| 127          | 18670         | SCREEN                    | ÉCRAN                       | 1              |
| 128          | 23001-79      | GRID                      | GRILLE                      | 1              |
| 129          | Y-11990       | HEX NUT                   | ÉCROU                       | 1              |
| 130          | 27906-354     | BURNER ROTISSERIE         | BRÛLEUR DE TOURNEBROCHE     | 1              |
| 133          | S15278        | ROTISSERIE HADWARE        | MATÉRIEL DE RÔTISSERIE      | 1              |
| 136          | S21128S       | SCREW #8-32 X 5/8         | VIS #8-32 X 5/8             | 13             |
| 137          | S15259        | SPIT ROD                  | BROCHETTE                   | 1              |
| 138          | S15287        | 4 PRONG FORKS             | FOURCHETTE A 4 FOURCHON     | 2              |
| 139          | 20006-000     | ROTISSERIE BRACKET        | SUPPORT                     | 1              |
| 141          | Y-11559       | BOLT 1/4-20 X 1           | BOULON 1/4-20 X 1           | 2              |
| 142          | S21125        | SCREW #8 X 1/2            | VIS #8 X 1/2                | 10             |
| 145          | S21235        | HINGE PIN                 | GOUPILLE DE CHARNIÈRE       | 2              |
| 146          | S21233        | HITCH PIN CLIP            | ATTACHE DE CHEVILLE         | 2              |
| 147          | Y-11231       | LID BUMPER                | BUTOIR DU COUVERCLE         | 2              |
| 148          | 10240-20      | DOOR PIN                  | GOUPILLE DE LA PORTE        | 2              |
| 149          | Y-11551       | SHOULDER SCREW 1/4-20 X 1 | GOUPILLE DE LA PORTE        | 2              |
| 152          | Y-12229       | MAGNET                    | AIMANT                      | 1              |
| 153          | Y-12213A      | MAGNET                    | AIMANT                      | 1              |
| 155          | S21124        | SCREW #8 X 1/2            | VIS #8 X 1/2                | 6              |
| 157          | Y-12835       | SCREW #6-32 X 1/4         | VIS #6-32 X 1/5             | 2              |
| 158          | Y-12641       | SCREW #8-32 X 1/2         | VIS #8-32 X 1/2             | 4              |
| 159          | S21127S       | SCREW #8-32 X 7/16        | VIS #8-32 X 7/16            | 2              |
| 160          | Y-29304       | SCREW #10-24 X 3/8        | VIS #10-24 X 3/8            | 10             |
| 161          | Y-12310       | SCREW 1/4-20 X 3/4        | VIS 1/4-20 X 3/4            | 8              |
| 162          | S21088        | SCREW #14 X 3/4           | VIS #14 X 3/4               | 8              |
| 163          | S21084        | SCREW #14 X 3/8           | VIS #14 X 3/8               | 4              |
| 164          | Y-29306       | SCREW #10-24 X 3/4        | VIS #10-24 X 3/4            | 1              |
| 167          | Y-11981       | BOLT 1/4-20 X 1           | BOULON 1/4-20 X 1           | 6              |
| 169          | S21061        | WING NUT                  | ECROU PAPILLON              | 2              |
| 171          | S15236        | MOTOR                     | MOTEUR                      | 1              |
| 172          | S15509        | ELECTRODE                 | ELECTRODE                   | 1              |
| 173          | S21362        | SPRING                    | RESSORT                     | 1              |
| 174          | S21255        | WASHER                    | RONDELLE                    | 2              |
| 175          | Y-11546       | SCREW - 1/4:20 X 5/8      | BOULON - 1/4:20 X 5/8       | 2              |
| 176          | Y-11795       | NUT 1/4-20                | ECROU 1/4-20                | 2              |
| 180          | S35095        | SCREW #10-24 X 5/8        | VIS #10-24 X 5/8            | 2              |
| 181          | 25030-73      | WIRE - BATTERY PACK       | LE FIL - TRANSFORMATEUR     | 1              |
| 181A         | 25070-95      | LIGHT SWITCH              | COMMUTATEUR LEGER           | 1              |
| 184          | 25080-80      | BATTERY PACK              | BATTERIE                    | 1              |
| 186          | Y-12865       | SCREW 1/4-20 X 3/4        | VIS 1/4-20 X 3/4            | 13             |
| 189          | 25020-95      | WIRE - ADAPTER            | FIL ADAPTATEUR              | 1              |
| 190          | 25020-79      | WIRE - LED LIGHT          | DIODES ÉLECTROLUMINESCENTES | 1              |
| 191          | 25020-81      | WIRE - LED LIGHT          | DIODES ÉLECTROLUMINESCENTES | 1              |

