

# SCHOOL BUS EXHAUST CATALOG



*Design*  
*Manufacture*  
*Distribute*

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GRAND  
ROCK

EXHAUST SOLUTIONS



**Welcome** to Grand Rock's latest catalog. At Grand Rock we utilize a variety of forming and fabricating equipment to bring you the highest quality exhaust systems for the Heavy Duty Truck, Medium Duty Truck, School Bus and Diesel Powered Pickup Truck markets.

Our equipment provides us the flexibility of handling exhaust systems ranging for 1.5" diameter to 8" diameter tube in cold roll, aluminized, and stainless steel.

We have redesigned this catalog to make your shopping quick, easy and informative. Please take the time to browse through our vast offering of parts. By using this catalog, you will be able to quickly find the parts you need. For more parts or other information, please find us online at [www.grandrock.com](http://www.grandrock.com).

We look forward to providing you with the highest level of service and satisfaction.

Thank you,

**Grand Rock Company**



**EXHAUST SOLUTIONS**

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# GENERAL INFORMATION HOW TO USE THIS CATALOG

## EASY READING APPLICATION LISTING FORMAT:

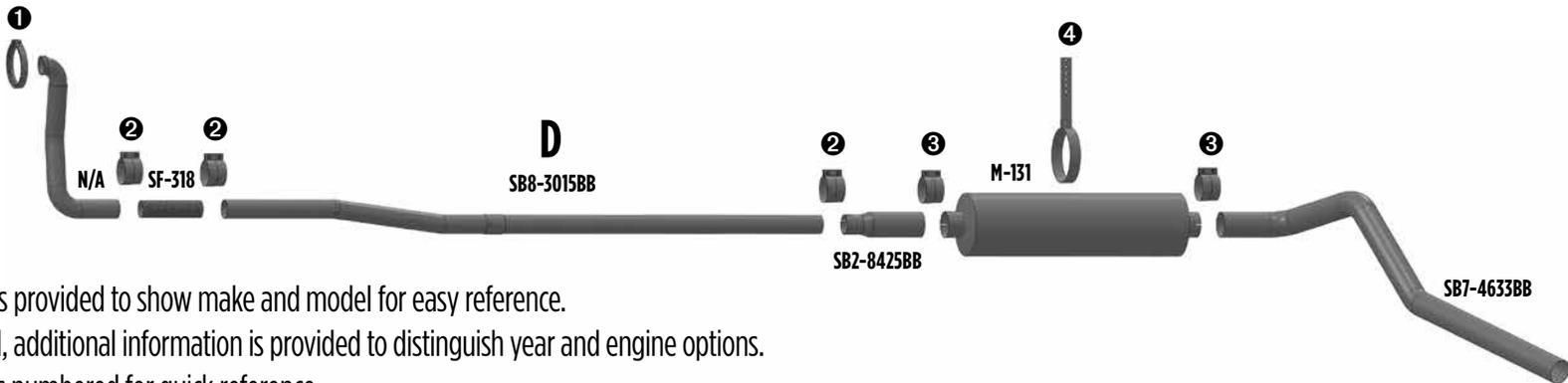
Applications are listed by gross vehicle weight and make in this catalog. Within make, the individual models are listed alphabetically. Models are listed from the latest to earliest. Within model years, applications are listed by engine size – from small to large.

## A **BLUEBIRD** SCHOOL BUS APPLICATIONS

C B

**BB127 - '87 - '95 6 Cyl. Models with standard exhaust (Side Exit in Front of Rear Tire) TC2000; 5.9L Cummins Diesel Engine, Automatic Transmission**

- E
- | Clamps |         |
|--------|---------|
| ①      | VB-321C |
| ②      | WFC-3SS |
| ③      | WFC-4SS |
| ④      | RMH-9   |



- A. Basic Listing is provided to show make and model for easy reference.
- B. Within model, additional information is provided to distinguish year and engine options.
- C. Every listing is numbered for quick reference.
- D. Part numbers appear around each part for ease of use.
- E. Clamp and Hanger Charts for Easy Reference.

# **GENERAL INFORMATION** PRODUCT WARRANTY

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## **TERMS**

Net 30 days with pre-approved credit; VISA, MasterCard, American Express, Check-In-Advance, C.O.D. are available, fee may apply

## **FREIGHT POLICY**

Freight is prepaid on all Standard Catalog orders of \$1,200.00 or more within the continental United States. Standard orders less than \$1,200.00 are shipped by most economical method, FOB Painesville, Ohio, Prepaid and Add; All MTO/Custom orders are Prepaid and Add.

## **FREIGHT CLAIMS**

The carrier is responsible for the merchandise while it is in transit to you. Be sure to **COUNT THE PIECES YOU ARE SIGNING FOR!** Make note on the freight bill of any visible loss or damage to your shipment before signing. If the damage is concealed, notify the carrier immediately. It is customer's responsibility to file a freight claim.

## **RETURNS**

Minimum 15% restocking charge on stock parts. Special order, custom-made, damaged or obsolete parts are not returnable. No merchandise may be returned without prior permission and issuance of a Returned Goods Authorization (RGA) Number.

## **WARRANTY**

# **GENERAL INFORMATION** PRODUCT WARRANTY, CONTINUED

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Chrome-plated (except weld area) and aluminized parts, used on truck and school bus exhaust applications, are warranted against defective material and workmanship for a period of 1 year from date of shipment. It is the dealer's responsibility to inform its customers of our warranty conditions and of proper installation techniques. Grand Rock cannot be held responsible for damage done as a result of improper installation. If a part is determined to be defective, Grand Rock reserves the right to repair or replate only and return the part that has been modified, altered, or otherwise damaged. Neglect is not warranted! Keep Chrome parts clean and waxed! Warranty claims are limited to the purchase price.

## **MUFFLER WARRANTY**

Four years or 500,000 miles for vertical application; three year or 150,000 miles for horizontal applications. Custom-made mufflers and the M-465 are excluded. This warranty applies to diesel engines only. Muffler must be installed properly. **Warranty claims are limited to the purchase price.**

## **MISCELLANEOUS**

Minimum order of \$ 50.00 required. Prices are subject to change without notice. Please call for price and availability on any custom parts ,id/or items not shown in our catalog.

**Large pipes are offered in cut lengths to reduce shipping cost**

# GENERAL INFORMATION DIESEL EXHAUST MATERIALS

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There are several materials used in heavy duty diesel exhaust applications. Some of the materials are appropriate for heavy duty applications. Other choices are not durable at the temperatures generated by diesel engines, especially with new pollution control systems, and should be avoided to provide acceptable service life. Materials selected must not only survive high temperatures, but also withstand severe vibration, corrosive exhaust gasses, and external corroding agents such as salt and water.

The materials generally considered for exhaust parts are as follows:

**Aluminized Steel** Is the preferred material for most heavy duty diesel applications. Aluminized Steel is a low carbon steel with a thin layer of aluminum alloyed to the surface. The aluminum provides galvanic protection for the base material. Aluminized Steel parts have an ultimate service temperature of 1250° F with a continuous duty temperature of 1100°F. This material has excellent corrosion resistance to acidic diesel exhaust gasses. Aluminized Steel parts provide excellent field life at a reasonable cost.

**400 Series Stainless Steels** are used for extended service life in diesel applications due to their higher operating temperatures. This material family provides slightly better strength at exhaust system temperatures than aluminized steel.

The most common 400 Series Steel that is used in exhaust applications is Type 409. It is stronger than aluminized but has cosmetic problems at exhaust system temperature. At first exposure to high temperature it discolors. Over time it develops a nondestructive coating of surface rust. After an extended time in the field a 409 product will display external discoloration and look worse than a similar aluminized part. Parts made with type 409 generally require some type of paint or other coating to slightly delay the onset of external discoloration. The parts will hold a magnet due to higher iron content.

Another type is **409 Stainless Steel** with an Aluminum coating. Aluminized 409 SS are used on Diesel Catalytic Converter mufflers due to its excellent high temperature

resistance and the corrosion protection of the aluminized coating. This is a premium material found primarily on emission products or high temperature gas applications.

**300 Series Stainless Steels** are also used in exhaust systems. The most common material is Type 304. This material has excellent corrosion resistance and very good high temperature strength and is used in some muffler applications where very high stresses occur. It is also used as a premium material for gas applications. The most prevalent use of the material in diesel heavy duty applications is for flex pipe. Flex pipe produced from light gauge 304 Stainless Steel is an excellent choice considering all the factors of cost, durability, and service life. In general field service life with stainless steel flex pipe is very good if the flex tubing is installed properly.

**Galvanized Steel** parts are sometimes used in the exhaust market. Galvanized Steel has very poor field performance. This material has an upper temperature limit of approximately 600°F. At temperatures greater than 600°F the material rapidly corrodes with a resulting degradation in appearance and probable failure. Galvanized Steel is often used for flex pipe as a low cost replacement part. The initial low cost is offset by the limited field life of the product.

**Cold Rolled Steel (CRS)** is a very poor choice for any exhaust system part. This material is extremely susceptible to corrosion. These parts are only used when the lowest possible cost is desired. It is rare to find mufflers made of cold rolled steel, but there are stacks offered in some markets in Cold Rolled Steel. Clamps are another product commonly produced out of Cold Rolled Steel. Clamps are not exposed to the corrosive acids found in the exhaust gasses but the high temperatures cause clamps to degrade rapidly in appearance and in function. Cold Rolled Steel clamps can be very difficult to remove after a short time in the field.

# GENERAL INFORMATION

## SCHOOL BUS CONVERSION CHART

### WHEEL BASE TO PASSENGER SEATING CAPACITY (Excluding State of Texas)

#### BLUEBIRD

WHEEL BASES	PASSENGER CAPACITIES
125"	19, 20, 21
149"	54
179", 186.5"	60
194", 201.5"	66
209", 216.5"	72
224", 231.5"	78
239", 246.5"	84
254"	90

#### CHEVROLET/GMC

WHEEL BASES	PASSENGER CAPACITIES
125"	17, 18, 19
149.5"	36
189", 189.5"	42, 48
218"	54
235", 235.5"	60
254"	66
274"	72

#### FORD

WHEEL BASES	PASSENGER CAPACITIES
151", 156"	36
192", 198"	48
216", 222"	54
237", 242"	60
255", 260"	66
275", 280"	72

#### CHEVROLET/GMC

WHEEL BASES	PASSENGER CAPACITIES
151", 152"	36, 39
168", 169", 170"	42, 45
187", 193"	48, 51
205", 217", 218"	54, 57, 63
236"	60
254"	66
275", 276"	72





# **UNIVERSAL PARTS**

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- **STACKS**
- **TUBING**
- **CONNECTORS**
- **COUPLERS**
- **REDUCERS**
- **ELBOWS**

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# STACKS/TAILPIPES CURVED STACKS

<b>LENGTH ▶</b>	<b>12"</b>	<b>18"</b>
<b>BOTTOM ▼</b>	<b>3" DIAMETER CURVED ▼</b>	

3" OD Alz.	K3-12SBA	K3-18SBA
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3" ID Alz.	K3-12EXA	K3-18EXA
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<b>LENGTH ▶</b>	<b>12"</b>	<b>18"</b>	<b>24"</b>	<b>36"</b>
<b>BOTTOM ▼</b>	<b>3.5" DIAMETER CURVED ▼</b>			

3.5" OD Alz.	K35-12SBA	-	-	-
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3.5" ID Alz.	K35-12EXA	K35-18EXA	-	K35-36EXA
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<b>LENGTH ▶</b>	<b>12"</b>	<b>18"</b>	<b>24"</b>	<b>36"</b>	<b>48"</b>	<b>60"</b>
<b>BOTTOM ▼</b>	<b>4" DIAMETER CURVED ▼</b>					

4" OD Alz.	K4-12SBA	K4-18SBA	K4-24SBA	K4-36SBA	K4-48SBA	K4-60SBA
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4" ID Alz.	K4-12EXA	K4-18EXA	K4-24EXA	K4-36EXA	K4-48EXA	K4-60EXA
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<b>LENGTH ▶</b>	<b>12"</b>	<b>18"</b>	<b>24"</b>	<b>36"</b>	<b>48"</b>	<b>53"</b>	<b>60"</b>
<b>BOTTOM ▼</b>	<b>5" DIAMETER CURVED ▼</b>						

5" OD Alz.	K5-12SBA	K5-18SBA	K5-24SBA	K5-36SBA	K5-48SBA	K5-53SBA	K5-60SBA
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5" ID Alz.	K5-12EXA	K5-18EXA	K5-24EXA	K5-36EXA	K5-48EXA	-	K5-60EXA
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OD

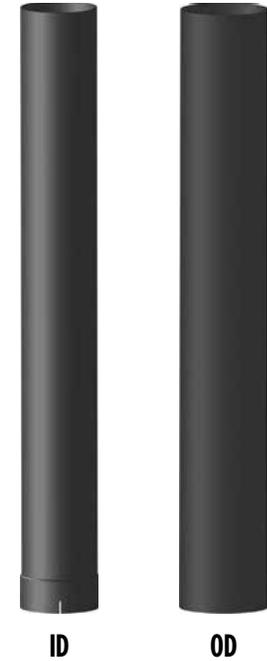
ID

Reduced ID or OD bottom

# STACKS/TAILPIPES STRAIGHT STACK

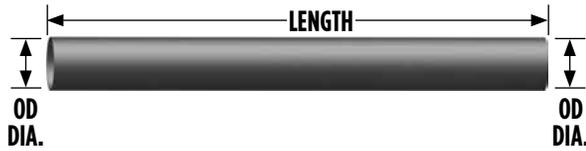
## STRAIGHT STACKS

LENGTH ►	12"	18"	24"	36"			
<b>BOTTOM ▼</b>	<b>3" DIAMETER STRAIGHT-CUT ▼</b>						
3" ID ALZ.	-	-	S3-24EXA	S3-36EXA			
LENGTH ►	12"	18"	24"	36"	48"	60"	
<b>BOTTOM ▼</b>	<b>3.5" DIAMETER STRAIGHT -CUT ▼</b>						
3.5" ID ALZ.	-	-	S35-24EXA	S35-36EXA	S35-48EXA	S35-60EXA	
LENGTH ►	12"	18"	24"	36"	48"	60"	72"
<b>BOTTOM ▼</b>	<b>4" DIAMETER STRAIGHT-CUT ▼</b>						
4" OD ALZ.	-	-	-	-	S4-48SBA	S4-60SBA	-
4" ID ALZ.	S4-12EXA	S4-18EXA	S4-24EXA	S4-36EXA	S4-48EXA	S4-60EXA	S4-72EXA
LENGTH ►	12"	18"	24"	36"	48"	60"	72"
<b>BOTTOM ▼</b>	<b>5" DIAMETER STRAIGHT-CUT ▼</b>						
5" OD ALZ.	-	-	-	S5-36SBA	S5-48SBA	S5-60SBA	-
5" ID ALZ.	S5-12EXA	S5-18EXA	S5-24EXA	S5-36EXA	S5-48EXA	S5-60EXA	S5-72EXA



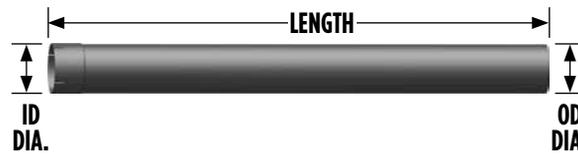
# CONNECTORS, REDUCERS & REPAIR SECTIONS STRAIGHT TUBING

**TUBING O.D. - O.D.**



DIA.	LENGTH	PLAIN PART NO.	ALUMINIZED PART NO.
2"	120"	-	S2-120SBA
2.5"	120"	-	S25-120SBA
3"	120"	S3-120SB	S3-120SBA
3.5"	120"	S35-120SB	S35-120SBA
4"	120"	S4-120SB	S4-120SBA
5"	120"	S5-120SB	S5-120SBA
6"	120"	S6-120SB	S6-120SBA
7"	120"	S7-120SB	S7-120SBA
8"	120"	-	S8-120SBA
4"	168"	-	S4-168SBA
5"	168"	-	S5-168SBA

**ALUMINIZED STEEL TUBING  
(one end expanded & slotted, I.D./O.D.)**



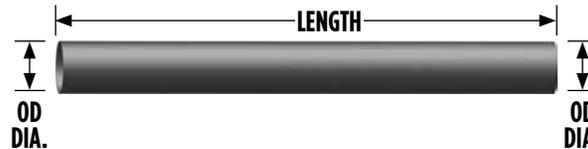
SIZE	LENGTH	PART NO.
4"	10'	S4-120EXA
5"	10'	S5-120EXA

**TUBING I.D. - I.D.**

DIA.	LENGTH	ALUMINIZED PART NO.
4"	120"	S4-120EXEXA
5"	120"	S5-120EXEXA



**409 STAINLESS ALUMINIZED STEEL TUBING**



O.D.	GAUGE	LENGTH	PART NO.
3"	16	10'	S3-120SBS4
3.5"	16	10'	S35-120SBS4
4"	16	10'	S4-120SBS4
5"	16	10'	S5-120SBS4

# CONNECTORS, REDUCERS & REPAIR SECTIONS REPAIR SECTIONS

DIA.	LENGTH	ALUMINIZED PART NO.
3"	12"	RS-312A
3"	24"	RS-324A
3.5"	12"	RS-3512A
4"	12"	RS-412A
5"	12"	RS-512A
5"	18"	RS-518A
5"	24"	RS-524A
5"	36"	RS-536A
5"	48"	RS-548A



- Perfect for splicing in sections
- 16ga Aluminized Steel

# CONNECTORS, REDUCERS & REPAIR SECTIONS REDUCERS



**REDUCERS O.D. - I.D.**

OD DIA.	ID DIA.	LENGTH	ALUMINIZED PART NO.
3"	2.5"	8"	R30-25IA
3.5"	3"	8"	R350-3IA
4"	3"	8"	R40-3IA
4"	3.5"	8"	R40-35IA
5"	4"	8"	R50-4IA
5"	4.5"	8"	R50-45IA
6"	5"	8"	R60-5IA
8"	5"	8"	R80-5IA



**REDUCERS I.D. - O.D.**

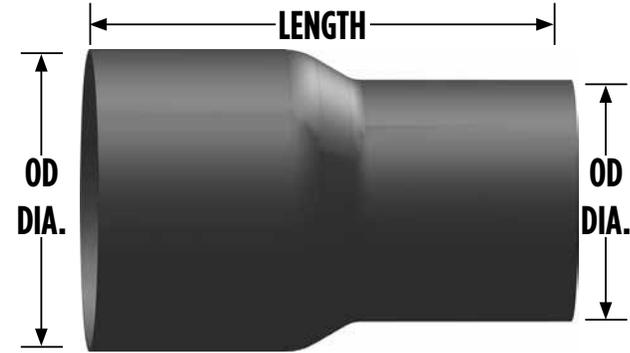
ID DIA.	OD DIA.	LENGTH	ALUMINIZED PART NO.
3"	2.5"	8"	R31-250A
3.5"	3"	8"	R35I-30A
4"	3"	8"	R41-30A
4"	3.5"	8"	R41-350A
4.5"	4"	8"	R45I-40A
5"	4"	8"	R51-40A
6"	4"	8"	R61-40A
6"	5"	8"	R61-50A
8"	5"	8"	R81-50A

# CONNECTORS, REDUCERS & REPAIR SECTIONS REDUCERS



**REDUCERS I.D. - I.D.**

ID DIA.	ID DIA.	LENGTH	ALUMINIZED PART NO.
3"	2.5"	8"	R3I-25IA
3.5"	3"	8"	R35I-3IA
4"	3"	8"	R4I-3IA
4"	3.5"	8"	R4I-35IA
5"	4"	8"	R5I-4IA
5"	4.5"	8"	R5I-45IA
6"	4"	8"	R6I-4IA
6"	5"	8"	R6I-5IA
8"	5"	8"	R8I-5IA



**REDUCERS O.D. - O.D.**

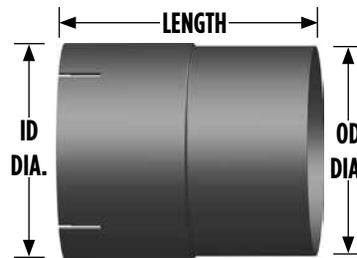
OD DIA.	OD DIA.	LENGTH	ALUMINIZED PART NO.
3"	2.5"	8"	R30-250A
3.5"	3"	8"	R350-30A
4"	3"	8"	R40-30A
4"	3.5"	8"	R40-350A
4.5"	4"	8"	R450-40A
5"	4"	8"	R50-40A
5"	4.5"	8"	R50-450A
6"	4"	8"	R60-40A
6"	5"	8"	R60-50A
7"	5"	8"	R70-50A
8"	5"	8"	R80-50A

# CONNECTORS, REDUCERS & REPAIR SECTIONS COUPLERS & CONNECTORS



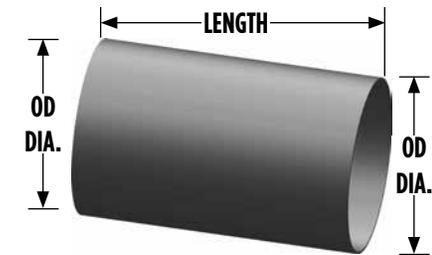
## COUPLERS I.D. - I.D.

DIA.	LENGTH	ALUMINIZED PART NO.
2"	8"	CP-28A
2.25"	8"	CP-2258A
3"	8"	CP-38A
3.5"	8"	CP-358A
4"	8"	CP-48A
5"	8"	CP-58A
6"	8"	CP-68A
8"	8"	CP-88A



## CONNECTORS I.D. - O.D.

DIA.	LENGTH	ALUMINIZED PART NO.
2"	6"	CN-28A
2.25"	6"	CN-2258A
3.5"	6"	CN-356A
4"	6"	CN-46A
5"	6"	CN-56A
6"	6"	CN-66A
7"	6"	CN-76A
8"	6"	CN-86A

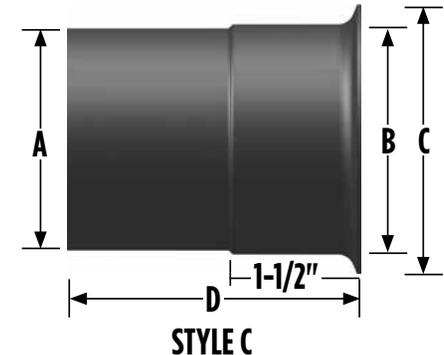
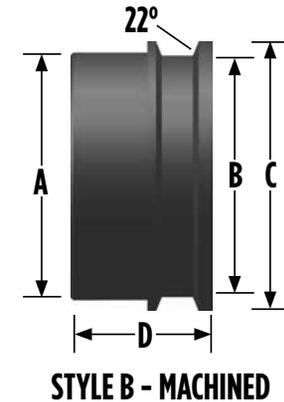
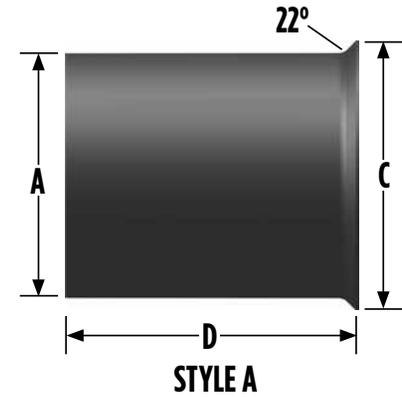


## CONNECTORS O.D. - O.D.

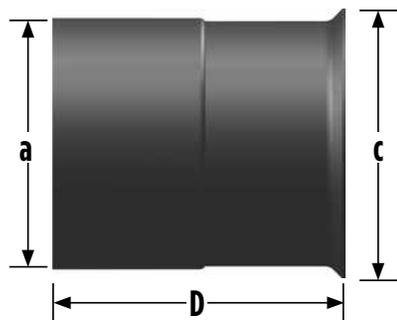
DIA.	LENGTH	ALUMINIZED PART NO.
2.25"	8"	S225-8SBA
2.5"	8"	S25-8SBA
3"	8"	S3-8SBA
3.5"	8"	S35-8SBA
4"	8"	S4-8SBA
5"	8"	S5-8SBA
7"	8"	S7-8SBA

# CONNECTORS, REDUCERS & REPAIR SECTIONS TURBO & MANIFOLD OUTLET ADAPTERS

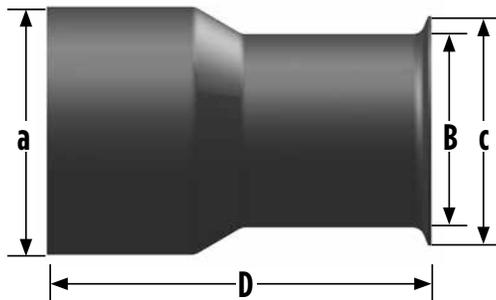
PART #	STYLE	A	B	C	D	FLARE	APPLICATION	USED WITH	
								V-BAND CLAMP #	BREEZE
AD-311MF	B	2.86"OD	2.79"ID	3.114"	1.62"	22°	OE#3910990 5.9L Cummins	VB-321C	VT-10323
AD-411MF	B	3.86"OD	3.725"ID	4.00"	2.125"	22°	OE#3910995 8.3L Cummins	VB-413C	VT-10413
T321-2	A	2.75"OD		3.21"	2"	22°	OE#3910990 5.9L Cummins	VB-321C	VT10321
T321-3ID	C	3"OD	3"ID	3.21"	3"	22°		VB-321C	VT10321
T375-6	A	3"OD		3.75"	6"	22°		VB-301I	VT10382
T400-6	A	3.5"OD	3.5"ID	4.00"	6"	45°	Detroit Diesel		
T407-4	A	3.5"OD	3.5"ID	4.07"	4"	22°	3208T Cat.	VB-419C	
T425-4	A	3.5"OD	3.5"ID	4.25"	4"	22°	7.3 Ford Powerstroke	VB-384F	
T450-6	A	4"OD	4"ID	4.5"	6"	45°	Cummins		VT10450
T461-4	A	4"OD	4"ID	4.61"	4"	22°	3306 Cat.	VB-461M	VT10461
T461-4	A	4"OD	4"ID	4.61"	4"	22°	Most 6 Cyl. Macks	VB-461M	VT10461
T475-4	A	4"OD	4"ID	4.75"	4"	22°	L10 Cummins & 3176 Cat	VB-475C	VT10475
T475-4	A	4"OD	4"ID	4.75"	4"	22°	8.2T Detroit Diesel, 6-71, 12V-71	VB-475D	VT10475
T525-2	B	4.865"OD	4.25"ID	5.25"	2"	20°	Machined Flange Air Research Turbo	VB-525D	VT10525
T525-4	A	5"OD	5"ID	5.25"	4"	22°	6V & 8V92T Detroit	VB-525D	VT10525
T550-6	A	5"OD	5"ID	5.5"	6"	45°	N14 & ISX Cummins		
T588-6 PYRO	A	5"OD	5"ID	5.88"	6"	22°	Cummins NTC	VB-588C	VT10588
T588-6	A	5"OD	5"ID	5.88"	6"	22°	3406 & C15 Cat.	VB-588C	VT10588
T588-6	A	5"OD	5"ID	5.88"	6"	22°	855 C.I. Cummins W/T50 Turbo	VB-588C	VT10588
T588-6	A	5"OD	5"ID	5.88"	6"	22°	60 Series Detroit	VB-588C	VT10588
T362-6ID	C	3"OD	3"ID	3.62"	6"	22°	Detroit Diesel 6V71		VT10382
T425-6ID	C	3.5"OD	3.5"ID	4.25"	6"	22°	Detroit Diesel 8V71		VT10450A
T475-6ID	C	4"OD	4"ID	4.75"	6"	22°	Detroit Diesel 12V71	VB-475D	VT10475



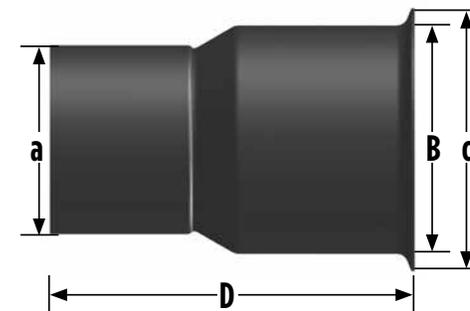
# CONNECTORS, REDUCERS & REPAIR SECTIONS TURBO & MANIFOLD OUTLET ADAPTERS, CONTINUED



**STYLE D**



**STYLE E**



**STYLE F**

PART #	STYLE	A	B	C	D	FLARE	APPLICATION	USED WITH	
								V-BAND CLAMP #	BREEZE
<b>TURBO REPAIR FLANGES</b>									
TRF-4625	D	4"ID	4"ID	4.625"	2"	22°	Replaces Cat # 9N-6325	VB-461D	VT10461
TRF-475	D	4"ID	4"ID	4.75"	2"	22°	T35 Turbo, L10 & 3176	VB-475C	VT10475
TRF-588	D	5"ID	5"ID	5.88"	2"	22°	T50 Turbo, N14, ISX, 3406, C15, 60 Series	VB-588C	VT10588-1
TRF-550	D	5"ID	5"ID	5.5"	2"	22°	T50 Turbo, N14, ISX, 3406, C15, 60 Series	VB-588C	VT10588-1
TRF-450	D	4"ID	4"ID	4.5"	2"	22°	C7, 3116 & 3126 CAT	VB-461D	VT10461
TRF-425	D	3.5"ID	3.5"ID	4.25"	2"	22°	DT-466, DT-408, DT-360, VT-365	VB-350I	
T475-8E	E	5"ID	4"OD	4.75"	8"	22°	T35 Turbo, L10, 3176	VB-475C	VT10475
T588-8F	F	4"ID	5"OD	5.75"	8"	22°	T50, 3406, N14, ISX 60 Series Detroit	VB-588C	VT10588

IF PYROMETER FITTING IS NEEDED, ADD (PYRO) TO THE PART NUMBER. ALL OF THESE PARTS ARE ALUMINIZED!

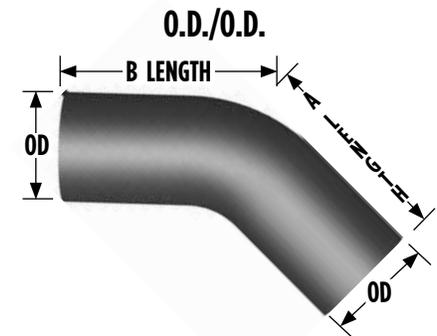
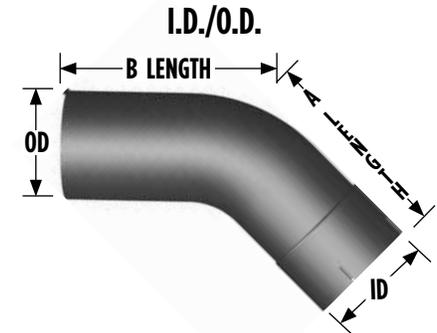
# ELBOWS & Y-PIPES ELBOWS

DIA.	LENGTH A&B	CENTER LINE RADIUS	ALUMINIZED PART#	ALUMINIZED PART#
<b>15° ELBOWS</b>			<b>I.D./O.D.</b>	<b>O.D./O.D.</b>
3"	4"	3.5"	L315-0404A	—
3.5"	4"	5"	L3515-0404A	L3515-0404SA
4"	4"	4.5"	L415-0404A	L415-0404SA
5"	4"	5.5"	L515-0404A	L515-0404SA

<b>30° ELBOWS</b>			<b>I.D./O.D.</b>	<b>O.D./O.D.</b>
3"	4"	3.5"	L330-0404A	L330-0404SA
3.5"	4"	5"	L3530-0404A	L3530-0404SA
4"	4"	4.5"	L430-0404A	L430-0404SA
5"	4"	5.5"	L530-0404A	L530-0404SA

DIA.	LENGTH A&B	CENTER LINE RADIUS	ALUMINIZED PART#	ALUMINIZED PART#
<b>45° ELBOWS</b>			<b>I.D./O.D.</b>	<b>O.D./O.D.</b>
2.5"	6"	3"	L2545-0606A	—
3"	8"	4"	L345-0808A	L345-0808SA
3.5"	9"	5"	L3545-0909A	L3545-0909SA
4"	6"	4.5"	L445-0606A	L445-0606SA
4"	9"	4.5"	L445-0909A	L445-0909SA
4"	12"	4.5"	L445-1212A	L445-1212SA
5"	8"	5.5"	L545-0808A	L545-0808SA
5"	12"	5.5"	L545-1212A	L545-1212SA
6"	15"	6"	L645-1515A	L645-1515SA

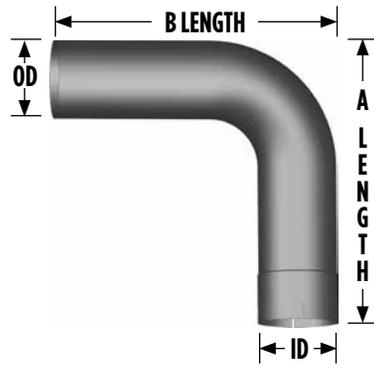
<b>60° ELBOWS</b>			<b>I.D./O.D.</b>	<b>O.D./O.D.</b>
3"	8"	3.5"	—	L360-0808SA
4"	8"	4.5"	L460-0808A	L460-0808SA
4"	8"	4.5"	L460-1010A	—
4"	12"	4.5"	L460-1212A	L460-1212SA
5"	10"	5.5"	L560-1010A	L560-1010SA



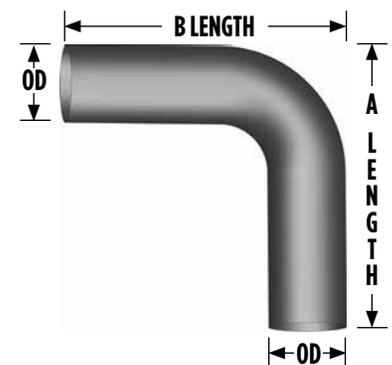
**NOTE:** Leg length is measured to the backside not the center line.

# ELBOWS & Y-PIPES 90° ELBOWS

DIA.	LENGTH A&B	CENTER LINE RADIUS	I.D./O.D. ALUMINIZED PART#
2.5"	12"	4.5"	L2590-1212A
3"	7"	4"	L390-0707A
3"	8"	4"	L390-0808A
3"	10"	4"	L390-1010A
3"	14"	4"	L390-1414A
3.5"	8"	5"	L3590-0808A
3.5"	12"	5"	L3590-1212A
3.5"	16"	5"	L3590-1616A
4"	8"	4.5"	L490-0808A
4"	10"	4.5"	L490-1010A
4"	12"	4.5"	L490-1212A
4"	15"	4.5"	L490-1515A
4"	18"	4.5"	L490-1818A
4"	18x29	4.5"	L490-1829A
5"	10"	5.5"	L590-1010A
5"	12"	5.5"	L590-1212A
5"	15"	5.5"	L590-1515A
5"	18"	5.5"	L590-1818A
5"	18x32	5.5"	L590-1832A
5"	13.5"	8"	L590-1313A-8
5"	17.5"	8"	L590-1818A-8
6"	13"	7"	L690-1313A
6"	24"	7"	L690-2424A



DIA.	LENGTH A&B	CENTER LINE RADIUS	O.D./O.D. ALUMINIZED PART#
3"	6"	4"	L390-0606SA
3"	7"	4"	L390-0707SA
3"	10"	4"	L390-1010SA
3"	14"	4"	L390-1414SA
3.5"	8"	5"	L3590-0808SA
3.5"	12"	5"	L3590-1212SA
3.5"	16"	5"	L3590-1616SA
4"	6"	4-1/2"	L490-0606SA
4"	8"	4-1/2"	L490-0808SA
4"	10"	4-1/2"	L490-1010SA
4"	12"	4-1/2"	L490-1212SA
4"	15"	4-1/2"	L490-1515SA
4"	18"	4-1/2"	L490-1818SA
4"	18 x 29"	4-1/2"	L490-1829SA
5"	10"	5-1/2"	L590-1010SA
5"	12"	5-1/2"	L590-1212SA
5"	15"	5-1/2"	L590-1515SA
5"	18"	5-1/2"	L590-1818SA
5"	18 x 32"	5-1/2"	L590-1832SA
5"	13.5"	8"	L590-1313SA-8
5"	17.5"	8"	L590-1818SA-8
6"	13"	7"	L690-1313SA
6"	24"	7"	L690-2424SA

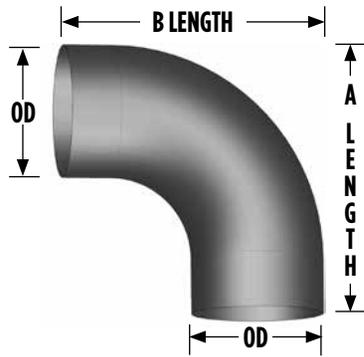


**NOTE: Leg length is measured to the backside not the center line.**

# ELBOWS & Y-PIPES 90° TANGENT CUT ELBOWS, 45° & 90° ELBOWS

## 90° TANGENT CUT ELBOWS

- Cut at tangent NO straight
- Ideal for welding & repairing
- OD/OD only



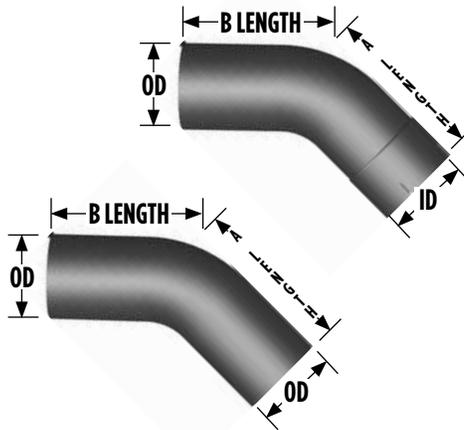
DIA.	LENGTH A&B	CENTER LINE RADIUS	ALUMINIZED PART#
3"	5"	3.5"	L390-0505SA
3.5"	6.75"	5"	—
4"	6.5"	4.5"	L490-6565SA
5"	8"	5.5"	L590-0808SA
6"	10"	7"	L690-1010SA
7"	11.5"	8"	—
8"	12"	12"	L890-2020S*

\* Cold rolled steel and make to order, call for lead time

## ALUMINIZED COATED STAINLESS STEEL EXHAUST PARTS

### 45° Elbows

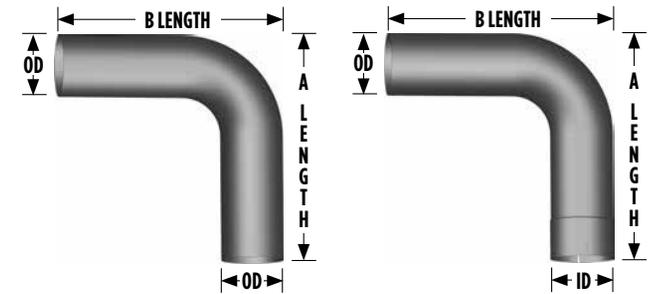
- 409 Stainless Aluminized
- 16 gauge
- *These parts are not a bright finish*



DIA.	LENGTH A&B	CENTER LINE RADIUS	ID/OD PART#	OD/OD PART#
4"	9"	4.5"	L445-0909S4	—
5"	12"	5.5"	L545-1212S4	L545-1212S4S

### 90° Elbows

- These parts are not a bright finish.



NOTE: Leg lengths are measured to the backside, not center line

DIA.	LENGTH A&B	CENTER LINE RADIUS	ID/OD PART#	OD/OD PART#
4"	12"	4.5"	L490-1212S4	L490-1212S4S
4"	18"	4.5"	L490-1818S4	—
5"	12"	5.5"	L590-1212S4	L590-1212S4S
5"	18"	5.5"	L590-1818S4	L590-1818S4S

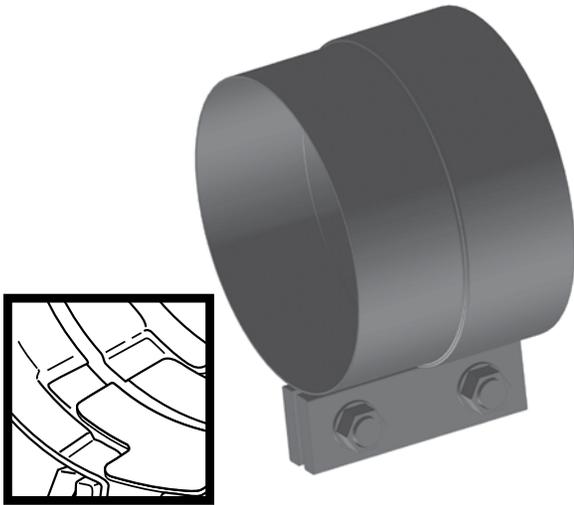


# **CLAMPS & BRACKETS**

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# CLAMPS BAND CLAMPS



## THE WFC SERIES: A GRAND ROCK EXCLUSIVE CLAMP

- LAP-JOINTS (Step Clamp)
- .030" Gauge Material — Heaviest in the Industry
- 304 Bright Stainless Steel or Aluminized Steel
- Unique Grade 8 Reversible Hardware – One Hand Tightening
- 3", 3.5", 4", & 5" Sizes
- Welded Flap Prevents Leakage at Closing Point
- ONLY AVAILABLE FROM GRAND ROCK
- The Preferred Pre-Formed Clamp



## THE STC SERIES: (Super Torque Clamp)

- LAP-JOINTS (Step Clamp)
- .030" Gauge Material — Heaviest in the Industry
- 304 Bright Stainless Steel Only
- Threaded Block for One Hand Tightening
- 3", 3.5", 4", & 5" Sizes
- Seal Feature Resists Leakage



## THE PF SERIES GENUINE Preformed Clamp

- LAP-JOINTS (Step Clamp)
- Bright Stainless, Polished Stainless, or Aluminized
- Available Pre-Assembled & Individually Boxed
- Available in Nested 10-Pack Bulk Cartons
- 2" thru 6" Sizes
- The Most Widely Used Clamp with OEM's

# CLAMPS BAND CLAMPS

## GENUINE PREFORMED BULK 10-PACK NESTED CLAMPS



*Preformed Bulk Clamps come in a compact carton containing 10 clamps nested, & 10 hardware packs.*

*Each individual clamp includes all preformed hardware in a separate poly bag*

- For all LAP-JOINTS (Step Clamp)
- Reversible Hardware (unique to the bulk Preformed)
- Lower Cost
- Saves Space
- Same Great Preformed Clamp! (our PF Series)
- Available in 3-1/2" thru 6" Diameters
- Bright 304 Stainless or Aluminized

## THE EZ SERIES

- Genuine EasySeal™ Clamp
- Flat Seal Clamp
- 2" – 7" Sizes

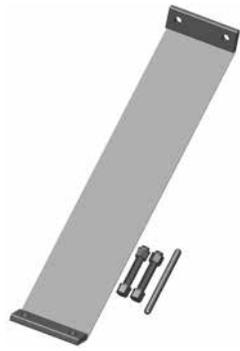


## THE FL SERIES

- Original type of Seal Clamp
- Available in Aluminized & Stainless
- 2" – 6" Sizes



# CLAMPS CLAMPS



**Flex Seal**



**EasySeal™**



**AccuSeal™**



**Preformed**



**WFC Series**

<b>TYPE</b>	<b>WIDTH</b>	<b>2"</b>	<b>2-1/4"</b>	<b>2-1/2"</b>	<b>3"</b>	<b>3-1/2"</b>	<b>4"</b>	<b>4-1/2"</b>	<b>5"</b>	<b>6"</b>	<b>7"</b>
Flex Seal Alz.	3.375"	-	-	-	-	-	FL-4A	-	FL-5A	-	-
Flex Seal SS	3.375"	-	-	FL-25SS	FL-3SS	FL-35SS	FL-4SS	-	FL-5SS	FL-6SS	FL-7PSS
EasySeal SS	3"	EZ-2SS	EZ-225SS	EZ-25SS	EZ-3SS	EZ-35SS	EZ-4SS	EZ-45SS	EZ-5SS	EZ-6SS	EZ-7SS
AccuSeal Alz.	1.25"	-	-	AS-25A	AS-3A	AS-35A	AS-4A	-	AS-5A	-	-
AccuSeal Std. SS	1.25"	-	-	-	AS-3SS	AS-35SS	AS-4SS	-	AS-5SS	-	-
AccuSeal Polished SS	1.25"	-	-	-	-	-	AS-4SSP	-	AS-5SSP	AS-6SSP	AS-7SSP
DuraSeal 409SS	1.25"	-	-	-	-	-	DS-4SS	-	DS-5SS	-	-
Preformed Alz.	3"	PF-2A	PF-225A	PF-25A	PF-3A	PF-35A	PF-4A	-	PF-5A	-	-
Preformed Alz. Bulk	3"	-	-	-	-	PF-35ABK	PF-4ABK	-	PF-5ABK	PF-6ABK	-
Preformed SS	3"	PF-2SS	-	PF-25SS	PF-3SS	PF-35SS	PF-4SS	-	PF-5SS	-	-
Preformed SS Polished	3"	-	-	-	-	-	-	-	PF-5SSP	PF-6SSP	-
Preformed SS Bulk	3"	-	-	-	-	PF-35SSBK	PF-4SSBK	-	PF-5SSBK	PF-6SSBK	-
WFC Series Alz.	3"	-	-	-	-	-	WFC-4A	-	WFC-5A	-	-
WFC Series Stainless	3"	-	-	-	WFC-3SS	WFC-35SS	WFC-4 SS	-	WFC-5SS	-	-
STC Series SS	3"	-	-	-	STC-3SS	STC-35SS	STC-4SS	-	STC-5SS	-	-
Preformed Alz. Butt-Joint	3"	-	-	-	PF-3ABT	-	PF-4ABT	-	PF-5ABT	-	-

# CLAMPS SADDLE CLAMPS



**ROUND BOLT  
OPEN SADDLE**  
(Economy)



**ROUND BOLT  
CLOSED SINGLE  
SADDLE**  
(Good)



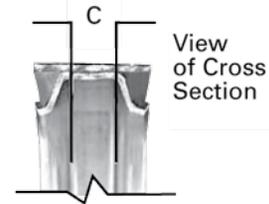
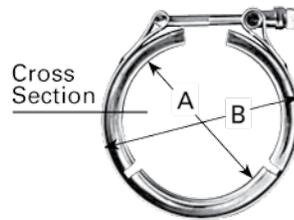
**ROUND BOLT  
CLOSED DOUBLE  
SADDLE**  
(Better)



**FLAT BOLT  
CLOSED DOUBLE  
SADDLE**  
(Best)

DIA.	ROUND BOLT OPEN SADDLE (PLAIN STEEL)	HD GUILLOTINE SINGLE EDGE SADDLE (ZINC PLATED)	ROUND BOLT HD WELD SADDLE (ZINC PLATED)	FLAT BOLT HD WELD SADDLE (ZINC PLATED)
1.875"	RO-178P	—	—	—
2"	RO-2P	RB-2ZN	HD-2ZN	—
2.25"	RO-225P	RB-225ZN	—	—
2.5"	RO-25P	RB-25ZN	HD-25ZN	—
2.75"	RO-275P	RB-275ZN	—	—
3"	RO-3P	RB-3ZN	HD-3ZN	FB-3ZN
3.5"	RO-35P	RB-35ZN	HD-35ZN	FB-35ZN
4"	RO-4P	RB-4ZN	HD-4ZN	FB-4ZN
4.5"	RO-45P	RB-45ZN	HD-45ZN	—
5"	RO-5P	RB-5ZN	HD-5ZN	FB-5ZN
6"	—	RB-6ZN	—	FB-6ZN

# CLAMPS V-BAND CLAMPS



MANUFACTURER P/N	TUBE DIA.	A	B	C	APPLICATION	BREEZE P/N
<b>UNIVERSAL</b>						
VB-300C	2.50	3.18	3.74	0.20	Emissions CLAMP	VT10318C02
VB-525D	5.00	5.25	5.81	0.21	Fits - FLARED CONNECTORS.	VT10525
<b>AIRESEARCH</b>						
VB-461M	4.00	4.17	4.61	0.21	TEO-699	VT10461
VB-525D	5.00	5.25	5.81	0.21	T-1899, TH08A64	VT10525
<b>BLUEBIRD</b>						
VB-321C	2.75	2.80	3.20	0.26	6BT5.9L, 6BTA5.9L REPLACES BLUEBIRD #1334226	
VB-321C	2.75	2.80	3.20	0.26	94-98 BLUEBIRD TC2000 SCHOOL BUS W/5.9L	
VB-413C	4.00	4.13	4.69	0.26	92-98 8.3L TURBO CUMMINS ALL AMERICAN	VT10413
VB-461D	4.00	4.13	4.69	0.40	REPLACES BLUEBIRD #1250646	VT10469
VB-461D	4.00	4.13	4.69	0.40	BLUEBIRD ALL AMERICAN W/ CAT3116 /TURBO	VT10469
<b>CATERPILLAR</b>						
VB-419C	3.50	3.63	4.19	0.40	3208T# IW5455	VB10419
VB-461D	4.00	4.13	4.69	0.40	3208T # IW2431	VT10469
VB-475C	4.00	4.19	4.75	0.40	3176T	VT10475
VB-588C	5.00	5.32	5.88	0.40	3406, 3406B, 3176, T50 TURBO # 186917	VT10588-1
<b>CUMMINS</b>						
VB-321C	2.75	2.80	3.20	0.26	6BT5.9L, 6BTA5.9L # 3903652	
VB-351I	3.50	3.69	4.25	0.40	VT555, VT-555 MANIFOLD	
VB-413C	4.00	4.13	4.69	0.26	8.3C CUMMINS # 3905216, for HX40 Turbo	VT10413

MANUFACTURER P/N	TUBE DIA.	A	B	C	APPLICATION	BREEZE P/N
<b>CUMMINS, Contiued</b>						
VB-475C	4.00	4.19	4.75	0.40	L10 # 115774	VB10475
VB-532	5.00	5.33	5.53	0.24	04-07 5.9L CUMMINS# 52121285AA	
VB-588C	5.00	5.32	5.88	0.40	750, N, 88NT, NTC, VT, T50 TURBO # 186916	VTw10588-1
<b>DETROIT DIESEL</b>						
VB-475D	4.00	4.13	4.75	0.16	8.2LT # 154977	
VB-525D	5.00	5.25	5.81	0.21	8V-71T, 16V-71, 6V-92T, 8V-92, 8V-92T, 16V-92T # 513262	VT10525
VB-588C	5.00	5.32	5.88	0.40	SERIES 60, 6-71T # 23506159	VT10588-1
<b>DODGE</b>						
VB-450	4.00	4.53	4.73	0.26	DODGE 03-04 5.9L CUMMINS # A49-3535399	
VB-532	5.00	5.33	5.53	0.24	04-07 5.9L CUMMINS# 52121285AA	
<b>FORD</b>						
VB-321C	2.75	2.80	3.20	0.26	93-95 B600/700 W/5.9LT	
VB-321C	2.75	2.80	3.20	0.26	REPLACES FORD #F3HZ5A281A	
VB-351I	3.50	3.69	4.25	0.40	REPLACES FORD #E7HZ5A231C	
VB-384F	3.00	3.84	4.01	0.23	FORD # F6TA-5A281-BA / 94-97 7.3 POWERSTROKE	
VB-419C	3.50	3.63	4.19	0.40	REPLACES FORD #E2HZ5A231A	VB10419
VB-419C	3.50	3.63	4.19	0.40	87-90 B600/700 SCHOOL BUS CF600/800 W/6.6LT	VB10419
VB-419C	3.50	3.63	4.19	0.40	REPLACES FORD #E8HZ5A231E	VB10419
VB-419F	3.50	3.63	4.19	0.40	FORD 6.6& 7.8 # E2HZ5A231A	VB10419
VB-429F6	4.00	4.37	4.56	0.28	FORD 03-07 6.0L POWERSTROKE # 6C34-5A281-AA	

# CLAMPS V-BAND CLAMPS, CONTINUED

MANUFACTURER P/N	TUBE DIA.	A	B	C	APPLICATION	BREEZE P/N
<b>FORD, Continued</b>						
VB-429F7	4.00	4.38	4.55	0.23	FORD 99-03 7.3L POWERSTROKE # 4C24-5A281-HA	
VB-475D	4.00	4.13	4.75	0.16	REPLACES FORD #EOHZ5A231C	VT10475
VB-532C	5.00	5.33	5.53	0.24	04-07 5.9L CUMMINS# 52121285AA	
<b>FREIGHTLINER</b>						
VB-390MB	3.00	3.90	-	-	FREIGHTLINER BUS MERCEDES 4 CYL. # 04-19184-001	
VB-460MB	4.00	4.60	-	-	FREIGHTLINER BUS MERCEDES 6 CYL. # 04-39184-000	
VB-588C	5.00	5.32	5.88	0.40	w/DD series 60, cat 3406 # 04-13828-0000	VT10588-1
VB-588C	5.00	5.32	5.88	0.40	w/cummins vntc, vt diesel #01-14596-000	VT10588-1
VB-588C	5.00	5.32	5.88	0.40	replaces freightliner #0114596000	VT10588-1
<b>GM</b>						
VB-384G	3.00	3.84	4.01	0.21	00-06 DURAMAX # 15671559	
VB-525D	5.00	5.25	5.81	0.21	All 71T & 92T detroit #513262	VT10525
VB-525D	5.00	5.25	5.81	0.21	REPLACES GM #15647159	VT10525
<b>INTERNATIONAL</b>						
VB-301I	3.00	3.28	3.84	0.21	T444E 1994-2000 INTERNATIONAL BUS	VT10382
VB-302I	3.00	3.28	3.82	0.40	REPLACES INTERNATIONAL #2033978C1	VT10388
VB-351I	3.50	3.69	4.25	0.40	86-89 SERIES S TRUCK/BUS W/ DT360	
VB-351I	3.50	3.69	4.25	0.40	REPLACES INTERNATIONAL #893944R92	
VB-350I	3.50	3.77	4.33	0.21	REPLACES INTERNATIONAL #338614C1	
VB-350I	3.50	3.77	4.33	0.21	88-94 SERIES S TRUCK BUS W/DT466	

MANUFACTURER P/N	TUBE DIA.	A	B	C	APPLICATION	BREEZE P/N
<b>INTERNATIONAL, Continued</b>						
VB-475C	4.00	4.19	4.75	0.40	REPLACES INTERNATIONAL #893945R92	VT10475
VB-475C	4.00	4.19	4.75	0.40	7.3L, DT-DTA 360, DT-DTA 466	VB10475
VB-525D	5.00	5.25	5.81	0.21	W/DD 8V71, 8V92	VT10525
VB-525D	5.00	5.25	5.81	0.21	REPLACES INTERNATIONAL #5132650	VT10525
VB-525D	5.00	5.25	5.81	0.21	REPLACES INTERNATIONAL # 780067C91	VT10525
VB-588C	5.00	5.32	5.88	0.40	REPLACES INTERNATIONAL #390226C91	VT10588-1
VB-588C	5.00	5.32	5.88	0.40	INTERNATIONAL #1672105C91	VT10588-1
<b>MACK</b>						
VB-461M	4.00	4.17	4.61	0.16	REPLACES MACK #48RU2341	VT10461
VB-461M	4.00	4.17	4.61	0.16	DM/MR MODELS	VT10461
VB-588C	5.00	5.32	5.88	0.40	REPLACES MACK #11ME241	VT10588-1
<b>THOMAS</b>						
VB-419C	3.50	3.63	4.19	0.40	84-90 SAF-T-LINER MODELS W/3208T	VB10419
VB-419C	3.50	3.63	4.19	0.40	REPLACES THOMAS #61240207	VB10419
VB-461D	4.00	4.13	4.69	0.40	84-89 THOMAS SCHOOL BUS W/ 3208T	VT10469
VB-461D	4.00	4.13	4.69	0.40	REPLACES THOMAS #61240208	VT10470
VB-475D	4.00	4.19	4.75	0.21	89-93 W/8.2LT	VT10475
VB-475D	4.00	4.19	4.75	0.21	REPLACES THOMAS #61240209	VT10475
<b>VOLVO</b>						
VB-481V	4.00	4.375	4.81	0.43	Replaces Volvo 21021852	VT10481T
VB-591V	5.00	5.50	5.91	0.43	Replaces Volvo 21021850	10769

PART NO.	APPLICATION
VB-5880E	T50 Turbo Housings, N14, ISX, 3406, C15, 60Series

*This Is The More Economical 1 Pc OE Version*



# BRACKETS

## 4" FORD DIESEL TAIL PIPE HANGER



**H-FTP1**  
Use with H-FLP1

## HD MUFFLERS HANGERS



PART NO.	FITS BODY DIA.
QPM-8H	8"

## MUFFLERS HANGERS

PART NO.	STYLE	FITS BODY DIA.
RMH-7834	B	7" - 8-3/4"
RMH-6	A	6"
RMH-7	A	7"
RMH-8	A	8"
RMH-85	A	8-1/2"
RMH-9	A	9"
RMH-10	A	10"
OMH-8511	A	8-1/4" x 11-1/2"
OMH-1015	A	10" x 15"
RMH-11	C	11"
RMH-12	A	12"



**STYLE A**



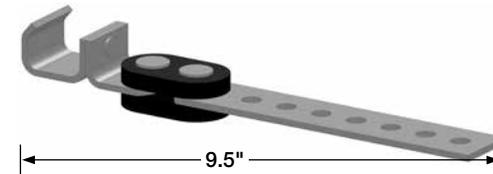
**STYLE B**



**STYLE C**

## HANGER

For horizontal applications for use on exhaust pipes or mufflers. Use 2 per muffler. Clamps not included.



PART NO.
H-10
H-10C
H-17

## FREIGHTLINER HANGERS



**H-FLM1**  
Muffler Hanger  
Fits 11-1/8" Body Dia.  
OE# 04-17998-001



**H-FLM2**  
Muffler Hanger  
2004 & Newer  
OE# A04-20919-000



**RS-FRL1**  
Rubber Mount  
2004 & Newer  
OE# 04-19919

**H-IHP1**  
Rubber Mount  
2005 & Newer  
International



**H-FLP1 - 4"**



**H-FLP3 - 4"**



**H-FLP4 - 4" Spring Sus.**



**H-FLP5 - 4" Air Ride Sus.**

**IMAGE UNAVAILABLE**  
H-FLM684

**IMAGE UNAVAILABLE**  
H-FLM8

**IMAGE UNAVAILABLE**  
H-FLM840

# BRACKETS, CONTINUED

## CHEVROLET/GMC OVERAXLE HANGER ASSEMBLY



**H-BBP2**  
Frame Bracket



**H-BBP1**  
U-Shaped Hanger

## INTERNATIONAL BRACKETS (extra heavy duty reinforced)



**H-IHP6**  
Overaxle Bracket  
(not included in complete set)



**H-IH7**  
Complete Set  
(tailpipe bracket, bushing, sleeve)



**H-IHP3**

## FORD MUFFLER HANGERS



**H-FTM2**  
Fits all Diesel Mufflers 1983 - UP  
14" Round



**H-IHP5 (4")**  
Pipe Hangers



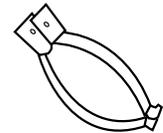
**H-IHM6 (7.3L)**  
Muffler Hangers  
(1986 - UP)



**H-IHM1 (96 - UP)**  
T44E Eng. (Forward)  
Rear Muffler Hanger



**H-IHM2 (96 - UP)**  
T44E Eng. (Forward)  
Front Muffler Hanger  
(big hole)



**H-IHM4**



**H-IHM6A**

LENGTH	IHC P/N	STRAP LOCATION
4-1/2	1660539C91	top row of holes
5	1660549C91	bottom row of holes



**H-IHP7**  
AMTRAN T444E/DT466  
Rear Engine 4"



**H-USE1**



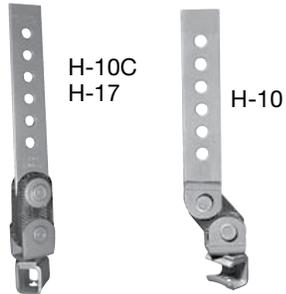
**H-USE2**

PART NO.	INTERNATIONAL NO.
H-USE1	482173C1
H-USE2	1675835C1

# BRACKETS, CONTINUED

## SWIVEL HANGERS

P/N	TYPE	LENGTH	BOX QTY
H-10C	REG. CLOSED	9½"	1
H-17	LONG CLOSED	17¼"	1
H-10	REG. OPEN	9½"	1

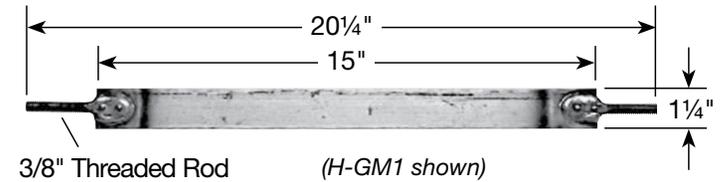


## CHEVROLET/GMC FRAME BRACKET



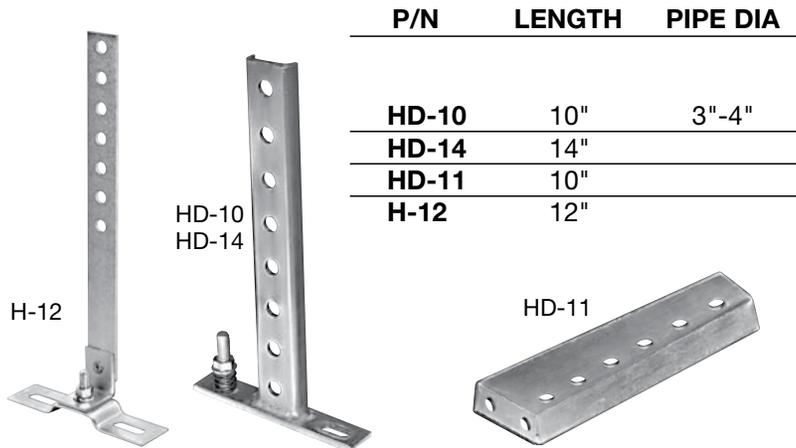
H-BBT5  
1989 & NEWER 366 GAS ENG.

## BLUEBIRD/CHEVROLET/GMC DIESEL MUFFLER STRAP



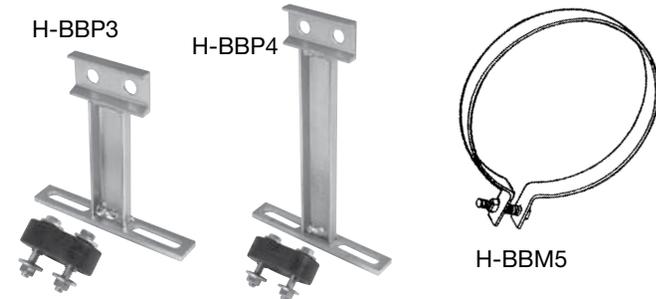
P/N	OVERALL LENGTH	ROD SIZE	STRAP THICKNESS
H-GM1	20.25"	3/8"	1.25"
H-BBM2	27"	3/8"	1.25"
H-BBM3	31"	3/8"	1.25"
H-BBM4	26"	3/8"	1.25"

## UNIVERSAL HEAVY DUTY HANGER AND BRACKET



P/N	LENGTH	PIPE DIA
HD-10	10"	3"-4"
HD-14	14"	
HD-11	10"	
H-12	12"	

## BLUEBIRD HANGERS



P/N	LENGTH	U-BOLT
H-BBP3	5 "	4" & 5"
H-BBP4	9¼"	4" & 5"r
H-BBM5	10 "	Diameter

# BRACKETS, CONTINUED

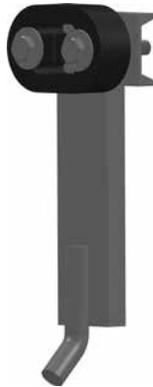
## BLUEBIRD BRACKETS



H-BBM1786



H-BBM131  
4" or 5" U-Bolts  
5-5/8" Length



H-BBM3048  
compares to  
# 0063048



H-BBP8090

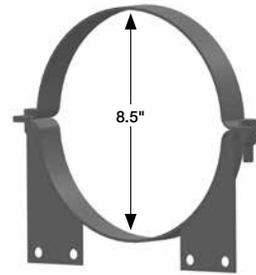


H-BBP4

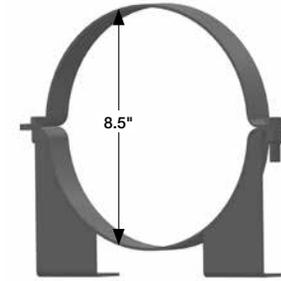


H-BBP1786

## THOMAS BRACKETS



H-THM0514  
TRear Engine



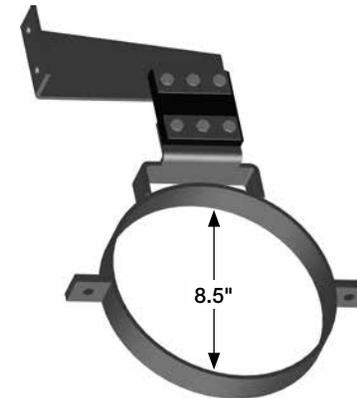
H-THM0881  
Rear Engine

**IMAGE  
UNAVAILABLE**

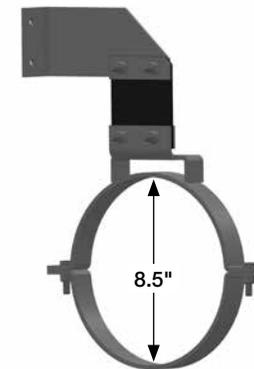
H-THM11  
Rear Engine,  
11" Diamenter

**IMAGE  
UNAVAILABLE**

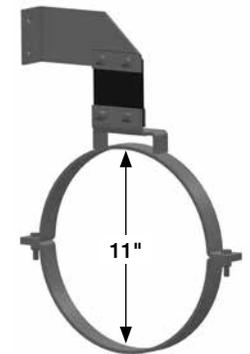
H-THM2  
Front Engine,  
11" Diamenter



H-THM1



H-TMH1249  
TH697



H-TMH1250



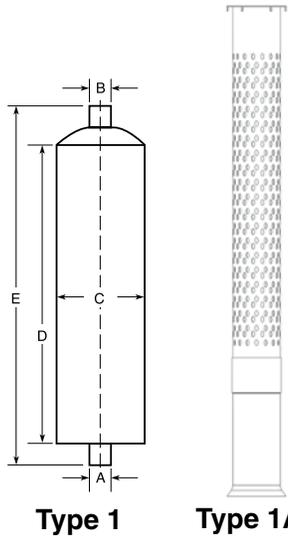
# **MUFFLERS & CONVERTERS**

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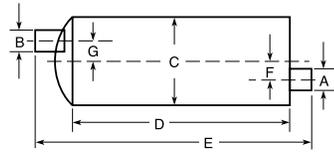
# MUFFLERS

## MUFFLER TYPES

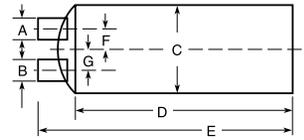


Type 1

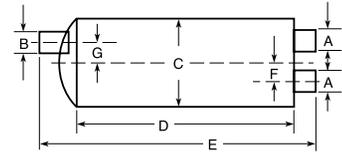
Type 1A



Type 2



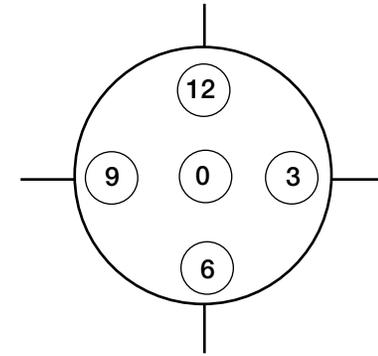
Type 3



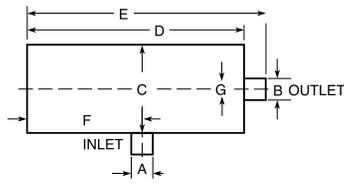
Type 2A



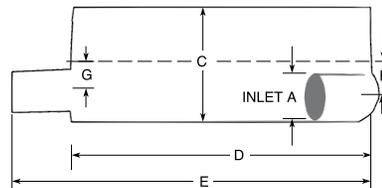
Type 3A



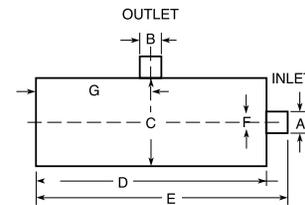
**NOTE: All clock positions viewed from inlet end of muffler.**



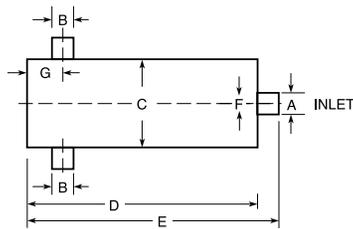
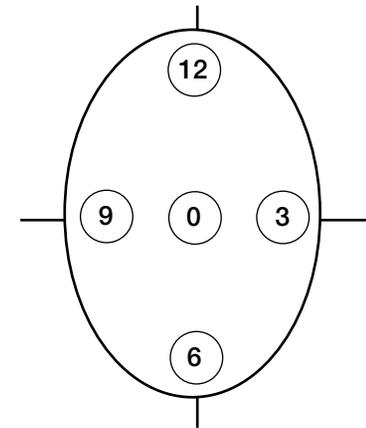
Type 4



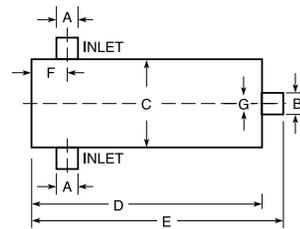
Type 5



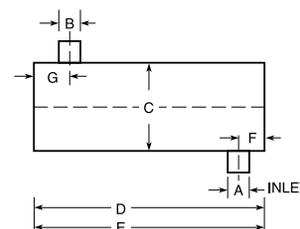
Type 6



Type 7



Type 8



Type 9

**Note: Mufflers available in Stainless Steel, Call for details**

# MUFFLERS

## MUFFLER SPECS

### TYPE 1 – RESONATORS

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
1	M-556	3"	3"	9"	11.5"	16"	-	-	-
1	M-150	3.5"	3.5"	9"	14"	19.75"	-	-	-
1	M-144	4"	4"	9"	10"	16.5"	-	-	-
1	M-062	5"	5"	11"	55"	61.5"	-	-	Peterbilt 07 Newer
1	M-145	5"	5"	9"	10"	16.5"	-	-	-

### TYPE 1A – Internal Mufflers

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
1A	IM-418	4"	4"	4"		18"	-	-	Inside a Stack or Pipe
1A	IM-518	5"	5"	5"		18"	-	-	Inside a Stack or Pipe
1A	IM-560	5"	5"	5"		60"	-	-	Inside a Stack or Pipe
1A	IM-572	5"	5"	5"		72"	-	-	Inside a Stack or Pipe
1A	IM-672	6"	6"	6"		72"	-	-	Inside a Stack or Pipe
1A	IM-772	7"	7"	7"		72"	-	-	Inside a Stack or Pipe

### TYPE 1 – END IN / END OUT CENTERED

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
1	M-187	3"	3"	6.1"	21"	30"	-	-	-
1	M-878	3"	4"	11"	36"	41.75"	-	-	Freightliner SB
1	M-110	3.5"	4"	8.5"	29.5"	36"	-	-	Thomas SB
1	M-188	3.5"	3.5"	7.1"	30"	38"	-	-	-
1	D5M	4"	5"	8"	15"	21"	-	-	Powerflow
1	M-079	4"	4"	10"	36"	43"	-	-	Bluebird SB
1	M-087	4"	4"	11"	36"	43"	-	-	Freightliner SB
1	M-127	4"	4"	8.5"	34.5"	41"	-	-	Mack R Model
1	M-131	4"	4"	9"	44.5"	51"	-	-	-
1	M-444	4"	4"	10"	44.5"	51"	-	-	-

# MUFFLERS

## MUFFLER SPECS, CONTINUED

### TYPE 1 – END IN / END OUT CENTERED, continued

1	M-630	4"	4"	6"	24"	30"	-	-	-
1	M-824	4"	4"	8"	15"	21.5"	-	-	Powerflow
Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
1	HF-1051	5"	5"	10"	44.5"	51"	-	-	Fuel Saver
1	M-062	5"	5"	11"	55"	61.5"	-	-	Peterbilt 387 06 & Older Muffler
1	M-0824	5"	5"	11"	55"	61.5"	-	-	Peterbilt 387 07& Newer Resonator
1	M-102	5"	5"	9"	44.5"	51"	-	-	Better Quality
1	M-130	5"	5"	10"	44.5"	51"	-	-	Better Quality
1	M-132	5"	5"	9"	44.5"	51"	-	-	Economy
1	M-136	5"	5"	10"	36"	41.6"	-	-	Great for Dump Trucks
1	M-1774	5"	5"	8"	55"	61"	-	-	Freightliner
1	M-196	5"	5"	10"	44.5"	51"	-	-	Cummins Electronic
1	M-465	5"	5"	10.1"	44.5"	51"	-	-	Economy
1	M-533	5"OD	5"	9"	25"	33"	-	-	Pete 379 Standard Hood
1	M-533-0	5"OD	5"	9"	25"	33"	-	-	Less Restrictive for High HP Engines
1	M-557	5"OD	5"	9"	34"	40.5"	-	-	Pete 379 Extended Hood
1	M-557-0	5"OD	5"	9"	34"	40.5"	-	-	Less Restrictive for High HP Engines
1	M-595	5"	5"	9"	20"	26.5"	-	-	-
1	M-656	5"	6"	10"	44.5"	51"	-	-	-
1	M-1236	5"	5"	12"	36"	41"	-	-	-
1	M-1436	5"	5"	14"	36"	41"	-	-	-
1	M-651	6"	6"	10"	44.5"	51"	-	-	-

# MUFFLERS

## MUFFLER SPECS, CONTINUED

### TYPE 2 – END IN / END OUT OFFSET ENDS

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
2	M-518	2.5"	2.5"	6"	26"	33"	1.5"/12	3.6"/6	
2	M-624	2.75"	3"	8.5"	30.25"	36.25"	3"/12	2.75"/6	Chevrolet/GMC SB
2	M-070	3"	4"	11"	36.25"	42"	3"/6	4"/12	Freightliner SB
2	M-1136	3"	4"	11"	36"	42"	2.5"/12	2.5"/6	-
2	M-139	3"	3"	8.5"	31.2"	36.2"	2"/12	2"/6	-
2	M-106	3.5"	3.5"	8.25" x 11.5"	26"	32"	3"/12	3"/6	-
2	M-512	3.5"	4"	8.25" x 11.5"	27"	33"	2.5"/12	2.5"/6	IH
2	M-536	3.5"	4"	8.25" x 11.5"	32"	36.5"	2.5"/12	2.5"/6	International SB
2	M-879	3.5"	4"	11"	36"	42"	3"/0	0/12	Freightliner SB
2	M-125	4"	4"	10" X 15"	34"	40.5"	4.25"/6	4.25"/12	Thomas SB
2	M-153	4"	4"	8.25" x 11.5"	27"	33"	2.5"/12	2.5"/6	-
2	M-502	4"	4"	11"	36"	41.2"	2.5"/12	2.5"/6	Freightliner/Ford SB
2	M-529	4"	4"	11"	36"	42.2"	2.5"/12	2.5"/6	Ford SB
2	M-117	5"	5"	10" x 15"	36"	42"	4"/12	4"/6	-
2	M-147	5"	5"	10" X 15"	27"	33"	3.3"/12	3.3"/6	Thomas SB
2	M-4025	5"	5"	11"	36"	41"	2.5"/12	2.5"/6	Ford
2	M-180	6"	6"	10" x 15"	32"	42.5"	3.6"/12	3.6"/6	-

### TYPE 2A – DUAL END IN / SINGLE END OUT

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
2A	M-722	2.5"-2.5" FLARE	3"OD	8.7"	30"	39"	1.75"/1:30/10:30	2"/6	Bluebird/GMC SB
2A	M-185	2.75"-2.75"	4"	8.25" x 11.5"	27"	32.75"	4"/12-4"/6	2.5"/6	International SB
2A	M-622	2/2.5"	FLANGE	8.5"	29.5"	37.5"	2.5"/12	2.5"/3-3	Bluebird/GMC SB

# MUFFLERS

## MUFFLER SPECS, CONTINUED

### TYPE 3 & 3A - IN AND OUT SAME END

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	H Ctr. To Ctr.
3	M-152	3"	4"	10" X 15"	30" 3	34"	-	4"/6	-
3	M-755	3.5"	4" OD	8.25" x 11.5"	32"	38.4"	2.5"/12	2.5"/6	-
3	M-033	4"	5"	11"	30"	33.5"	3"/12	3"/12	5"
3	M-115	4"	4"	10" X 15"	26" 2	29.2"	4"/12	4"/6	-
3	M-124	4"	5"	12" X 15"	30" 3	34"	4"/12	4"/6	-
3	M-116	5"	5"	10" X 15"	36"	40"	4"/12	4"/6	-
3	M-121	5"	5"	10" x 15"	26"	29"	3"/12	3"/6	6"
3	M-121L	5"	5"	10" x 15"	44"	48"	3"/12	3"/6	6"
3	M-121L6	5"	6"	10" x 15"	44"	48"	3"/12	3"/6	6"
3	M-899	5"	5"	12"	35"	39"	-	-	-
3A	M-922	5"	5"	9"	22"	25"	-	-	7.5"
3A	M-922-6	6"	6"	9"	22"	25"	-	-	7.5"

### TYPE 4 - SIDE IN / END OUT

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
4	M-034	4"	4"	11"	36"	40"	4.5"/3	2.5"/12	Bluebird/GMC SB
4	M-149	4"	3.8"OD	10" x 15"	16"	20.1"	3.1"/12	4.4"/12	Mack DM
4	M-542	4"	5"	10" X 15"	21"	25"	3.1"/12	4.4"/12	-
4	M-625	4"	4"	11"	42"	45"	4"/12	0/0	Bluebird SB
4	M-626	4"	4"	11"	33.5"	36.5"	4"/12	0/0	Thomas SB
4	M-724	4"	4"	11"	36"	39"	4.3"/9	2.5"/12	-
4	M-751	4"	5"	10" x 15"	27"	30"	22.4"/5:30	3.6"/12	DOT / IH
4	M-771	4"	5"	9"	44.5"	48"	3.8"/6	0"/0	-
4	M-526	5"	5"	10"	44.5"	48.25"	5.5"/6	-	GMC Brigadier & Astro
4	M-757	5"	5"	12.3" X 15.2"	27"	30"	22.4"/5:30	3.6"/11	DOT / IH

# MUFFLERS

## MUFFLER SPECS, CONTINUED

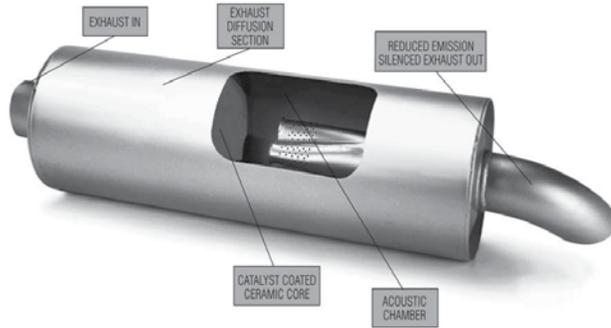
### TYPE 6 - END IN /SIDE OUT

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
6	M-537	3.5"	4"	8.25" x 11.5"	32"	35"	2.5"/6	20"/3:30	IH DT 466 Horizontal Outlet
6	M-545	3.5"	4" OD	8.25" x 11.5"	32"	34.9"	2.5"/12	20.2"/3:30	DOT / IH
6	M-548	3.5"	4"	8.25" x 11.5"	32"	34.9"	2.5"/12	24.7"/3:30	DOT / IH
6	M-527C1	3.5"	4" OD	8.25" x 11.5"	32"	35.5"	2.5"/6	3.5"/9:00	DOT / IH
6	M-777	3.5"	4" OD	8.25" x 11.5"	32"	34.9"	2.5"/12	24.7"/3:30	DOT / IH
6	M-530	4"	4"	11.1"	36"	39"	1.5"/6	28.5"12	Ford
6	M-503	5"	5"	10" x 15"	36"	39"	4.0"/12	28.5"/6	Ford
6	M-672	5"	5"	11"	36"	39"	2.7"/6	28.5"/12	Ford
6	M-010	5" OD	5" OD	12"	36"	39"	-	15"/12	-
6	M-158A	5"	5"	13"	42"	45"	-	14"/12	04-22804-000

### TYPE 7 - END IN / DUAL SIDE OUT

Type	Part No.	A Inlet Dia. I.D.	B Outlet Dia I.D.	C Body Dia.	D Body Length	E Overall Length	F Inlet Offset/ Clock Position	G Outlet Offset/ Clock Position	Fits
7	M-7185	5"	5"/5"	8" X 20"	29"	32"	CTR	23"/9&3	Freightliner Columbia

# CONVERTERS/DOC CATALYTIC CONVERTERS MUFFLERS



Certified to Meet EPA Requirements  
Grand Rock converter mufflers are engineered to enable mid-range engines to meet emission requirements of the EPA's Diesel Emissions Standards. The catalytic core within the muffler reduces gaseous hydrocarbons, carbon monoxide, and particulates, while at the same time reducing exhaust noise to 67-72 dBA at 50 feet per the EPA drive-by noise test (levels will vary depending on system configuration).

- Same package size as equivalent mufflers
- Only 10 to 15 lbs. heavier than equivalent mufflers
- 409 Stainless Steel
- Internal design for even exhaust flow distribution

PART NO.	STYLE	INLET ID	OUTLET ID	INLET POSITION	OUTLET POSITION	INLET OFFSET	OUTLET OFFSET	CROSS SECTION	SHELL LENGTH	OVERALL LENGTH
M-355CT	1	4"	4"	0	0	0	0	11"	36"	41"
Style/Type Description - CENTER TO CENTER Application/Description - All engines up to 9L, DT, DTA, VT, T International's 5.9L to 9L Cummins, all CAT engines up to 9L										
M-580CT	2	3.5"	4"	6	12	2.75"	2.75"	8.25" x 11.5"	29.5"	36.5"
Style/Type Description - OFFSET TO OFFSET Application/Description - All engines up to 9L, DT, DTA, VT, T International's 5.9L to 9L Cummins, all CAT engines up to 9L										
M-581CT	2	4"	4"	12	6	2.5"	2.5"	11"	36"	44"
Style/Type Description - OFFSET TO OFFSET Application/Description - All engines up to 9L, DT, DTA, VT, T International's 5.9L to 9L Cummins, all CAT engines up to 9L										
M-1465CT	1	5"	5"	0	0	0	0	10"	44.5"	51"
Style/Type Description - OFFSET TO OFFSET Application/Description - All engines up to 9L, DT, DTA, VT, T International's 5.9L to 9L Cummins, all CAT engines up to 9L; PLUS CATC13 and C15 ACCERT dual exhaust.										

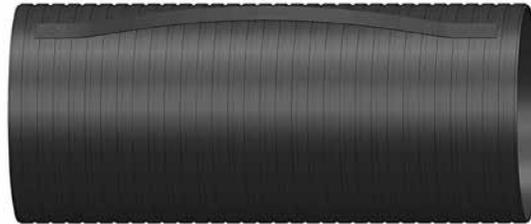
# **EMISSION SOLUTIONS & FLEX HOSE**

---





- Replacement for OE 2007+ bellows type section. All Stainless steel construction. Twist and stretch movement out performs the OE!



- A NEW generation of multiply stainless flex that gives you LEAK FREE performance with torsional movement! Stainless flex out performs bellows.

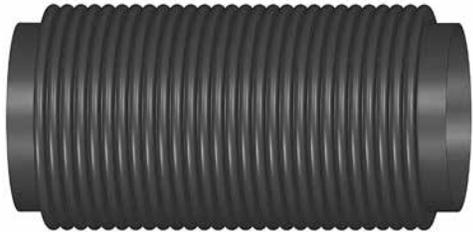


- Marmon flanges are available for 2.5" thru 5" diameter. Parts can be welded to any part we have for a 100% leak free joint. 2007 + emission exhaust standard.

# EMISSIONS SOLUTIONS

BELLOWS, UNIVERSAL HEAT SHIELDS & APU

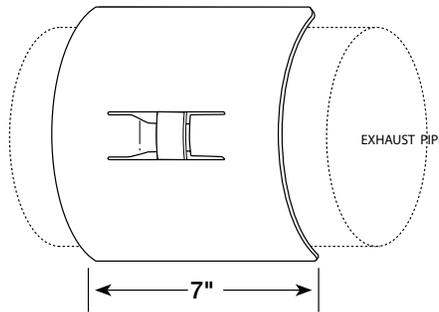
## BELLOWS



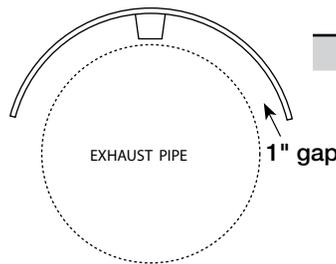
### Bellows:

- Single Ply 304 Stainless
- Diameter, length, and part no. can be found in the flex hose section on page 77

## UNIVERSAL HEAT SHIELDS



- Keep wiring, air, and hydraulic lines away from hot exhaust pipes
- Works on 3"- 6" diameter pipes

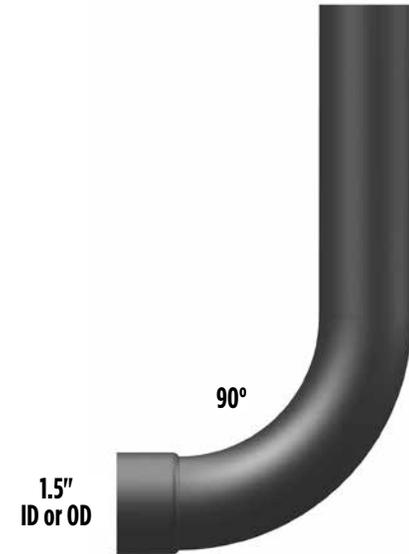


PART#	QTY.
UHS	1 Per Box
UHS-B	10 Per Box

### UNIVERSAL HEAT SHIELDS:

- Heat shield for exhaust pipe
- Protect wires, air, oil or fuel lines from extreme heat
- Universal fit, any diameter pipe
- Held on with strap clamp (included)

## APU

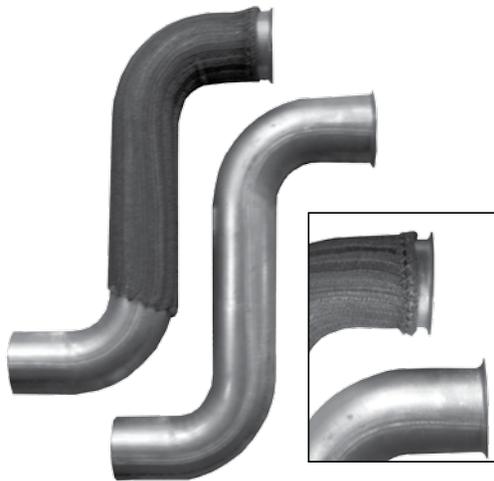


APU or auxiliary heaters on your truck or bus and need to get the exhaust out? We bend 1.5" diameter for these exhaust pipes. Call or send prints.

# EMISSIONS SOLUTIONS HEAT SLEEVES & WRAPS

Either the heat sleeve or the heat wrap will reduce the outside temperature of a bare pipe by 300° F to 400° F

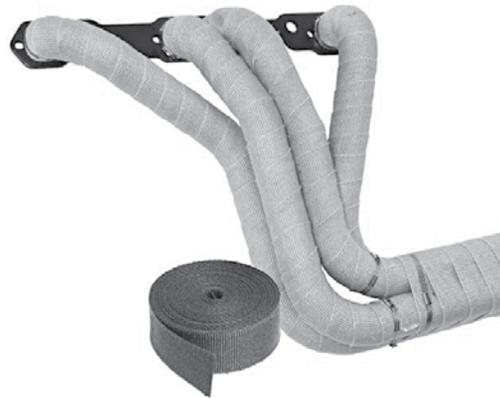
## HEAT SLEEVES



Slips onto 3" to 5" dia. pipe

PART NO.	LENGTH
HS-12	12"
HS-18	18"
HS-24	24"

## HEAT WRAPS



Simple 2" wide roll, easy to install on any pipe

PART NO.	LENGTH
HW-2600	2" x 50' (600") roll

## HEAT SLEEVE & WRAP CLAMPS



Wrap clamps make installation easy!  
No tools needed.

PART NO.	LENGTH
HC-18SS	2 pc of 18" long clamp
HC-18SSB	12 pc of 18" long clamp

# EMISSIONS SOLUTIONS FLEX HOSE, MARMON FLANGES & FLARES

## FLEX HOSE

NEW generation of leak resistant stainless flex that works well on the 2007+ engines. Has both great torsional and length movement. Diameter and length part numbers are on pgs. 78 & 79 in the flex hose section.



**TYPE SSS (33% THICKER) 4 PLY**  
**• SPECIAL INTERLOCKED PROFILE •**

## MARON FLANGE & FLARES

These are used to join parts together for leakproof and serviceable connections with a VBand Clamp all 304SS.



TUBE DIAMETER	FLARE PART NO.	V BAND CLAMP PART NO.	FLANGE PART NO.
2.5"	39659-l	VB-300c	42315-l
4"	39660-l	vb-475c	41967-l
5"	39392-l	vb-588c	41968-l

# **EMISSIONS SOLUTIONS** CERAMIC LINES AND/OR COATED

---

## **CL - Ceramic Lined**

**We can add ceramic lining to a CHROME pipe. Use our high quality chrome parts on your 2007+ truck.**

## **CC - Ceramic Coated**

**Coats the exterior of any part for a true Thermal Barrier. Keeps hot temperatures INSIDE the pipe to help with emissions and keeps cab floors, wires, & hoses cool**

## **CL/CC - Ceramic Lined AND Ceramic Coated**

**Line and Coat pipe for the Ultimate in Thermal Barrier.**

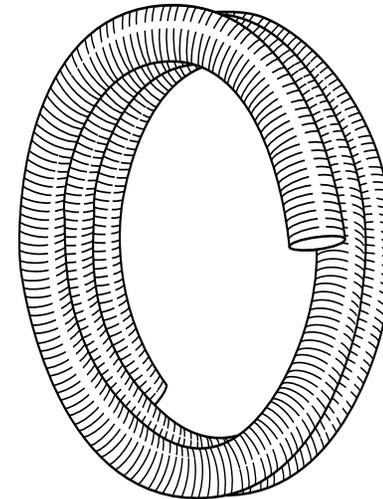
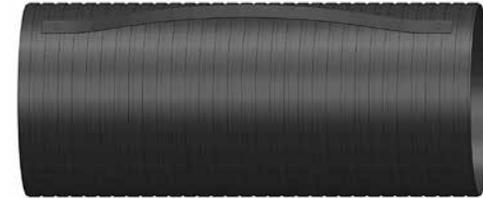
***Call for Price and Availability, plus more details***

# FLEX HOSE

FLEX HOSE OPTIONS

---

- Premium Triple S Stainless Steel (304 non magnetic) 4 PLY (BEST)
- 304 Stainless Conventional Flex (non magnetic) (BETTER)
- 409 Stainless Conventional Flex (magnetic) (GOOD)
- Galvanized Conventional Flex
  - .018 Thick Strip (magnetic) (GOOD)
- Galvanized Conventional Flex
  - .015 Thick Strip (magnetic) (GOOD)
- Bellows, Single Ply
  - 304 Stainless (non magnetic) will not twist



# FLEX HOSE 4" & 5" STAINLESS FLEX USER GUIDE

## RATING = GOOD (Type 409 Stainless - Magnetic)

- Better corrosion resistance than Galvanized or Aluminized Flex
- Flexibility = STIFF, can be cut and trimmed

### PART NO. 4" DIA/LENGTH

S49-4300	4" x 25' Roll
S49-4120	4" x 10' Roll
S49-418	4" x 18" Precut
S49-424	4" x 24" Precut
S49-436	4" x 36" Precut

### PART NO. 5" DIA/LENGTH

S49-5300	5" x 25' Roll
S49-5120	5" x 10' Roll
S49-512	5" x 12" Precut
S49-518	5" x 18" Precut
S49-524	5" x 24" Precut
S49-536	5" x 36" Precut



## RATING = BETTER (Type 304 Stainless - Non-Magnetic)

- Better quality stainless flex material — WILL NOT RUST OR CORRODE
- Flexibility on 10' & 25' Rolls = STIFF (typical), can be cut and trimmed
- Flexibility on 12" thru 48" Precuts = VERY FLEXIBLE, can be cut and trimmed

### PART NO. 4" DIA/LENGTH

SF-4300	4" x 25' Roll
SF-4120	4" x 10' Roll
SF-412	4" x 12" Precut
SF-418	4" x 18" Precut
SF-424	4" x 24" Precut
SF-436	4" x 36" Precut
SF-448	4" x 48" Precut

### PART NO. 5" DIA/LENGTH

SF-5300	5" x 25' Roll
SF-5120	5" x 10' Roll
SF-512	5" x 12" Precut
SF-518	5" x 18" Precut
SF-524	5" x 24" Precut
SF-536	5" x 36" Precut
SF-548	5" x 48" Precut



(Conventional Interlocked Profile)

## RATING = BEST (OE Type SSS 304 Stainless - Non-Magnetic)

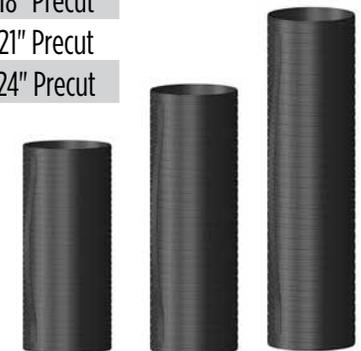
- Best quality stainless flex type — WILL NOT RUST OR CORRODE
- Precuts Only - Featuring EXTENSION GAUGE STRAP & Individually Boxed!
- SUPER FLEXIBLE & Torsional Movement, DO NOT cut or trim

### PART NO. 4" DIA/LENGTH

WFF-412	4" x 12" Precut
WFF-415	4" x 15" Precut
WFF-418	4" x 18" Precut
WFF-424	4" x 24" Precut

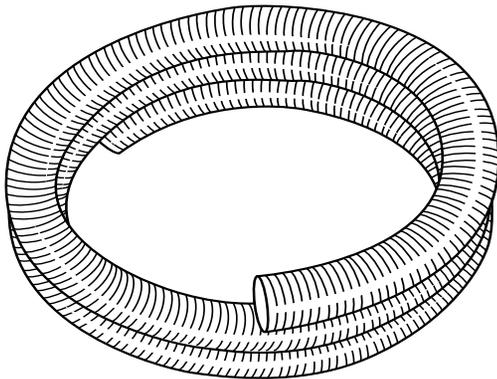
### PART NO. 5" DIA/LENGTH

WFF-512	5" x 12" Precut
WFF-515	5" x 15" Precut
WFF-518	5" x 18" Precut
WFF-521	5" x 21" Precut
WFF-524	5" x 24" Precut



**TYPE SSS (33% THICKER)**  
• SPECIAL INTERLOCKED PROFILE •

# FLEX HOSE FLEXIBLE METAL HOSE



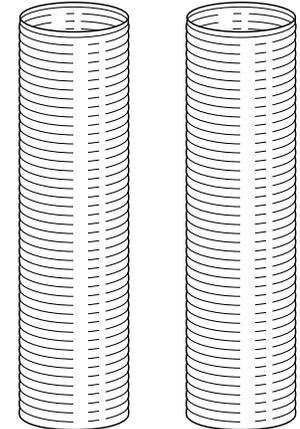
## 10' and 25' COILS

DIA.	STD. DUTY GALVANIZED 25' ROLL	STD. DUTY GALVANIZED 10' ROLL	HEAVY DUTY GALVANIZED 25' ROLL	HEAVY DUTY 304 STAINLESS 10' ROLL	HEAVY DUTY 304 STAINLESS 25' ROLL
1.5"	—	—	—	—	SF-15300
2"	G15-2300	—	—	—	—
2.5"	G15-25300	G15-25120	—	—	SF-25300
2.75"	G15-275300	—	—	—	SF-275300
3"	G15-3300	G15-3120	—	SF-3120	SF-3300
3.5"	G15-35300	G15-35120	—	SF-35120	SF-35300
4"	G15-4300	G15-4120	G18-4300	SF-4120	SF-4300
5"	G15-5300	G15-5120	G18-5300	SF-5120	SF-5300
6"	—	G15-6120	—	SF-6120	SF-6300
7"	—	—	—	SF-7120	—

## PRECUT LENGTHS

### Various Pre-Cut Lengths:

- Deburred Ends
- Save the Time and Hassle of Cutting
- Easier to Inventory and Handle
- Easier to Display



**NOTE: All Grand Rock Flex is measured in RELAXED lengths.**  
• Compression may occur during handling and transit

DIA.	LENGTH	GALVANIZED	409 STAINLESS	HEAVY DUTY 304 STAINLESS
3"	24"	—	—	SF-324
3"	36"	—	—	SF-336
3.5"	12"	G15-3512	—	—
3.5"	18"	—	—	SF-3518
3.5"	24"	G15-3524	—	SF-3524
3.5"	36"	G15-3536	—	SF-3536
4"	12"	G15-412	S49-412	SF-412
4"	18"	G15-418	S49-418	SF-418
4"	24"	G15-424	S49-424	SF-424
4"	36"	G15-436	S49-436	SF-436
4"	48"	G15-448	—	SF-448
5"	12"	G15-512	S49-512	SF-512
5"	18"	G15-518	S49-518	SF-518
5"	24"	G15-524	S49-524	SF-524
5"	36"	G15-536	S49-536	SF-536
5"	48"	G15-548	—	SF-548



# ACCESSORIES

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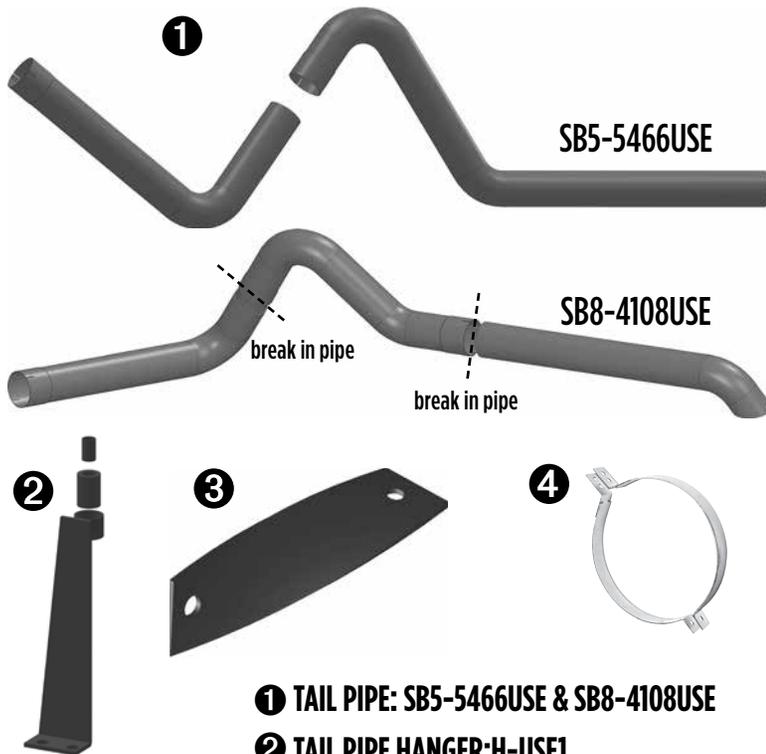
## NEW UNIVERSAL SIDE EXIT PIPES

	GRAND ROCK PART NO.	OE PART NO.	DESCRIPTION	2 PIECE PIPE 2nd PART NEEDED
	SB6-7844BB	1537844	BLUEBIRD TC 2000 LEFT SIDE EXIT TAILPIPE 174" WB	
	SB7-4633BB	1535665	BLUEBIRD TC 2000 LEFT SIDE EXIT TAILPIPE 174" WB	
	SB7-9618IH	3589618C2	95 TO 2000 IH 3900 FE/FC FORWARD CONTROL DT466 OVER DRIVESHAFT LEFT SIDE EXIT	

# ACCESSORIES SIDE EXIT TAILPIPE & BELLOWS PIPE

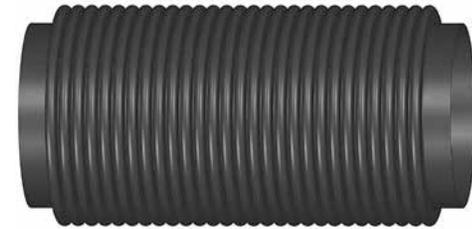
## UNIVERSAL SIDE EXIT TAILPIPE KIT

Right Hand Muffler with 4" I.D. Outlet - Over Drive Shaft - Exit on Left Hand Side of Bus in Front of Rear Wheels



- ❶ TAIL PIPE: SB5-5466USE & SB8-4108USE
- ❷ TAIL PIPE HANGER: H-USE1
- ❸ TAIL PIPE BRACKET: H-USE2
- ❹ TAIL PIPE CLAMP: H-IHP5

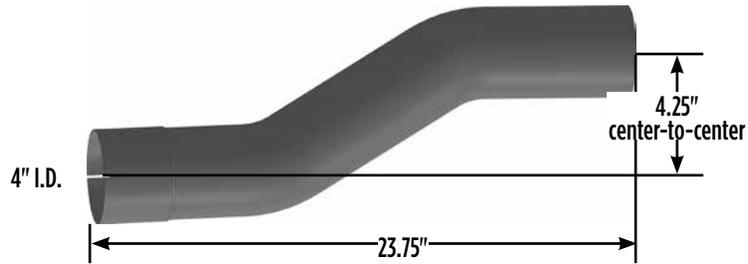
## UNIVERSAL STAINLESS STEEL BELLOWS PIPE



Part No.	Diameter	Length
GBS-312	3"	10"
GBS-3512	3-1/2"	10"
GBS-412	4"	10"
GBS-512	5"	10"

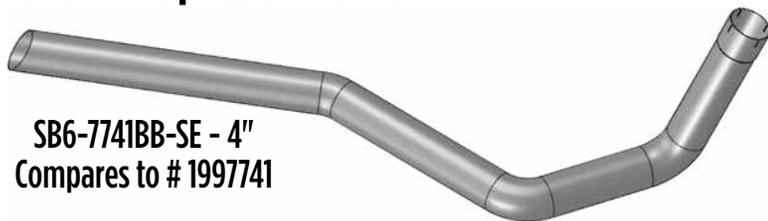
# ACCESSORIES CONVENTIONAL & FLATNOSE TAILPIPE, UNIVERSAL SIDE EXIT PIPES

## International Conventional & Flatnose Tailpipe Options

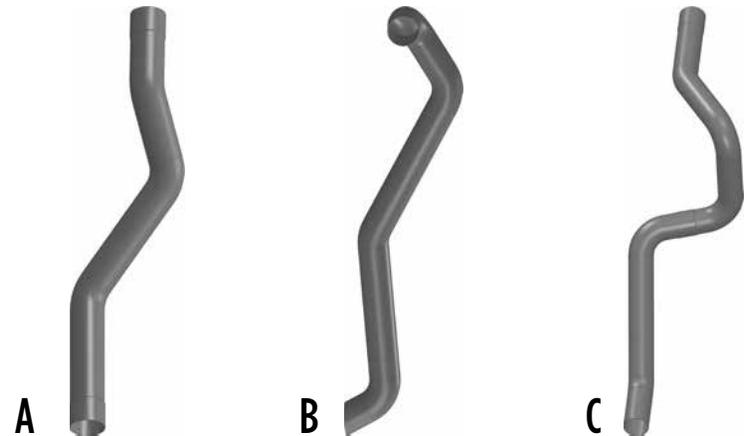


**SB3-4901IH**  
(Optional through Bumper)

## Bluebird Left Side Discharge Tailpipes 1998 and Up All-American



## Universal Side Exit Pipes



O.E./MAKE ENG. DESCRIPTION	OUTLET TYPE	PIPE O.D.		STYLE
		4"	5"	
International	w/o Turndown	SB8-4559IH*		A
	w/ Turndown	SB8-4584IH		B
Bluebird TC-2000, Cummins 5.9	w/o Turndown	SB7-4633BB		A
98-02 Bluebird All American	Angle Cut		SB7-4669BB	A
Freightliner	w/o Turndown	SB8-3052FL		C

*\*Available in 2 piece*

# ACCESSORIES OVER DRIVE SHAFT SIDE EXIT PIPES OVER DRIVE SHAFT



SB8-3052FL



SB8-4584IH



SB7-4669BB



SB8-4559IH

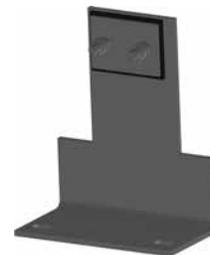


SB7-4633BB

## Bluebird Vision 4" Left Side Discharge Tailpipe



SB7-8269BB

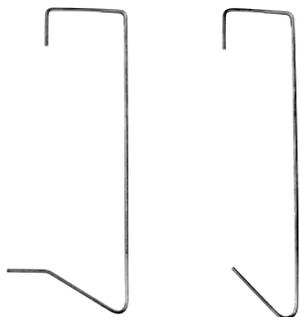


H-BBM131



H-BBP8090

## Pipe Hooks



**Part No. PH-4A** – (2.75" to 4" Dia.)

H.D. pipe hooks.

**Part No. PH-6A** – (5" to 6" Dia.)

H.D. pipe hooks.

## Muffler Cement



**Part No. Cement** – 16oz.

This high-performance muffler cement applies like putty but dries metal hard. Sold per tube.

# **BLUEBIRD SCHOOL BUS APPLICATIONS**

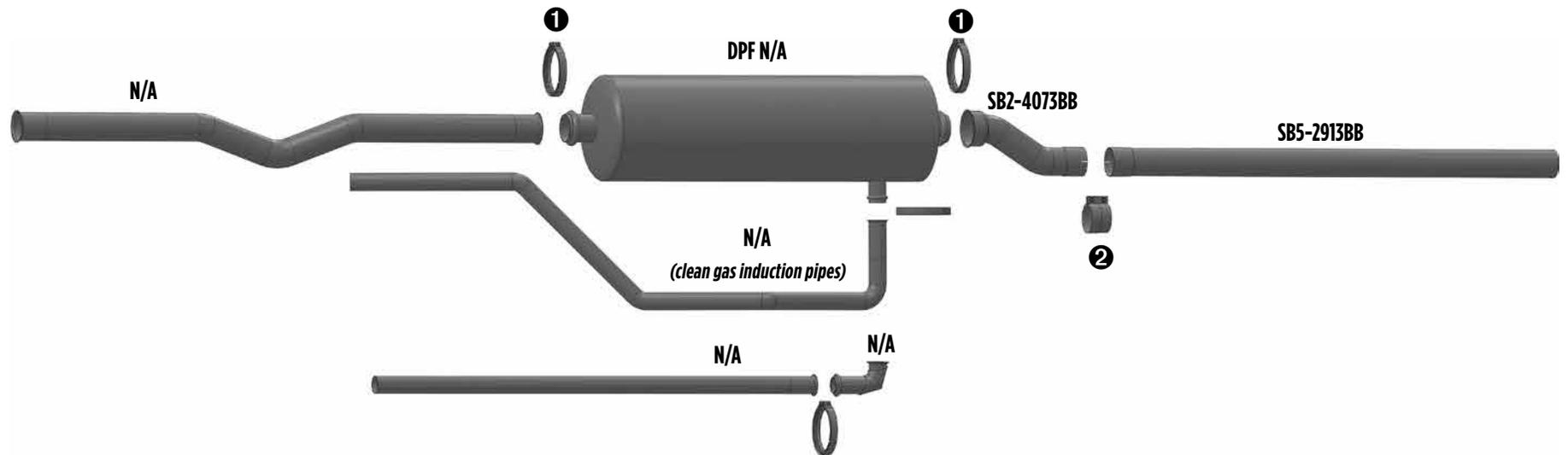
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**GRAND  
ROCK**

## BB094 - '07 - '09 6 Cyl. Bluebird Vision Engine Forward Cat. C7

### Clamps

- ① VB-461D
- ② WFC-4SS

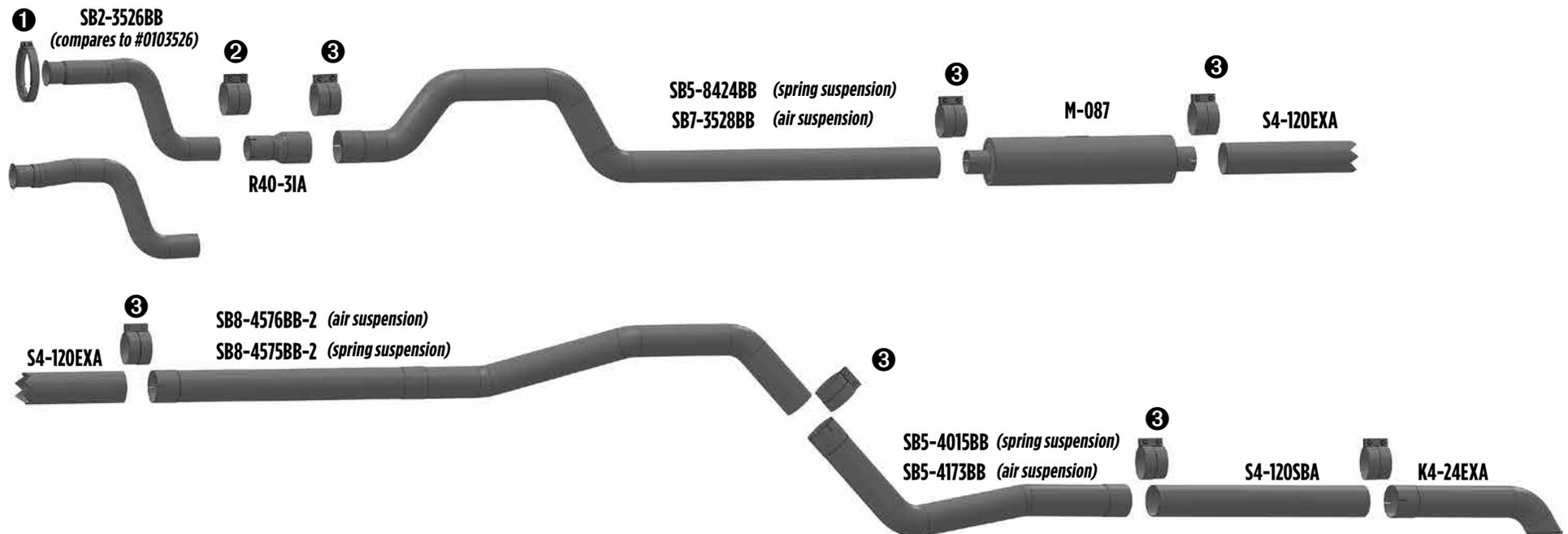


# BLUEBIRD SCHOOL BUS APPLICATIONS

## BB095 - '06 - '09 6 Cyl. Bluebird All American ISB02, EXC DPF System

### Clamps

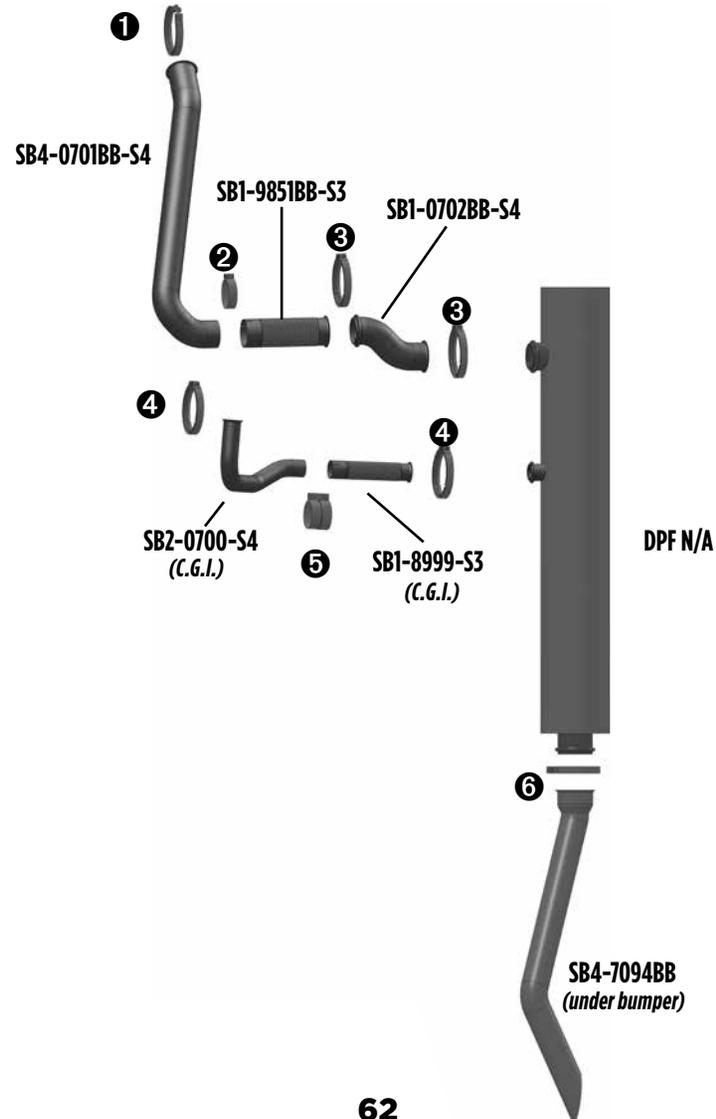
- ① VB-321C
- ② WFC-3SS
- ③ WFC-4SS



## BB096 - '07 - '09 6 Cyl. Bluebird All American CAT C7

### Clamps

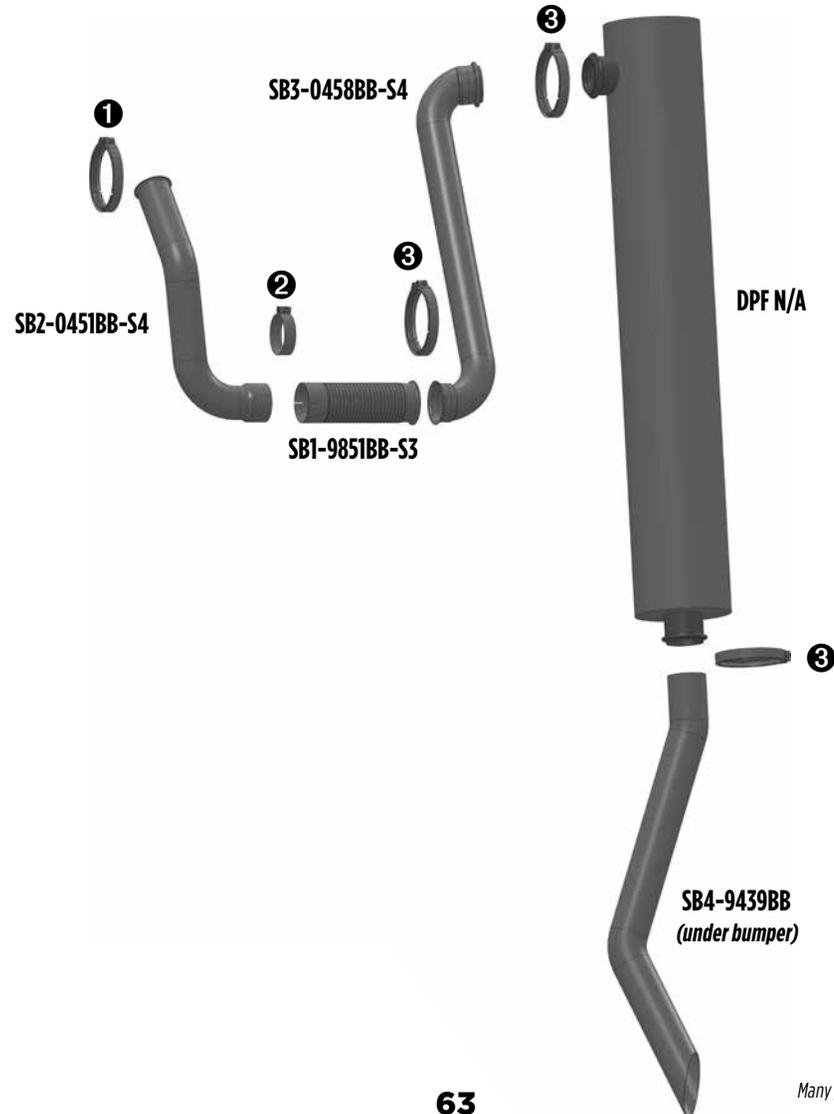
- ❶ VB-461D
- ❷ AS-4SS
- ❸ VB-461D
- ❹ VB-321C
- ❺ AS-25A
- ❻ VB-461D



## BB097 - '04 - '09 6 Cyl. Bluebird All American Cummins ISC Pusher

### Clamps

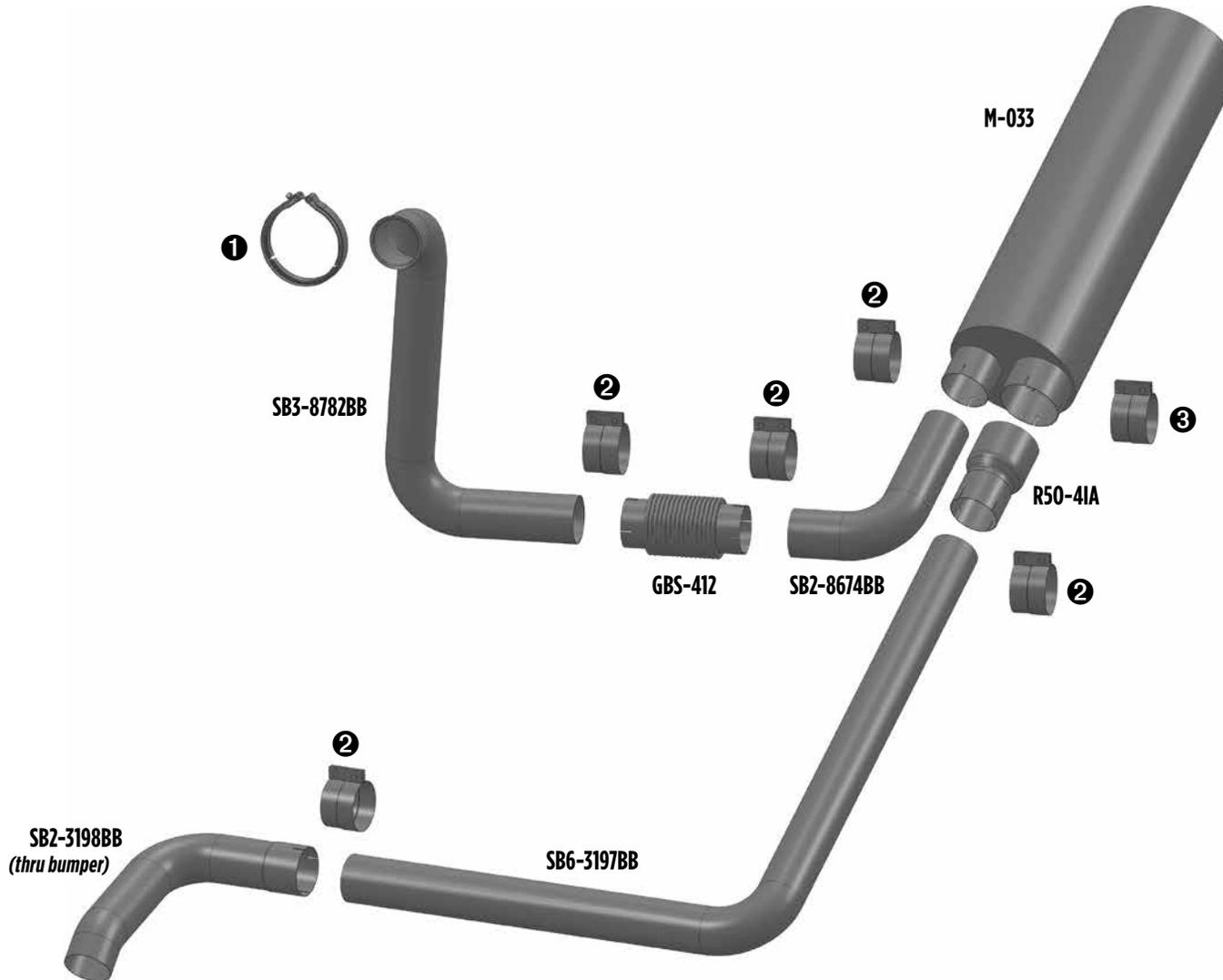
- ❶ VB-413C
- ❷ DS-4SS
- ❸ VB-461D



## BB098 - '02 - '06 6 Cyl. Bluebird All American 3126 CAT Pusher

### Clamps

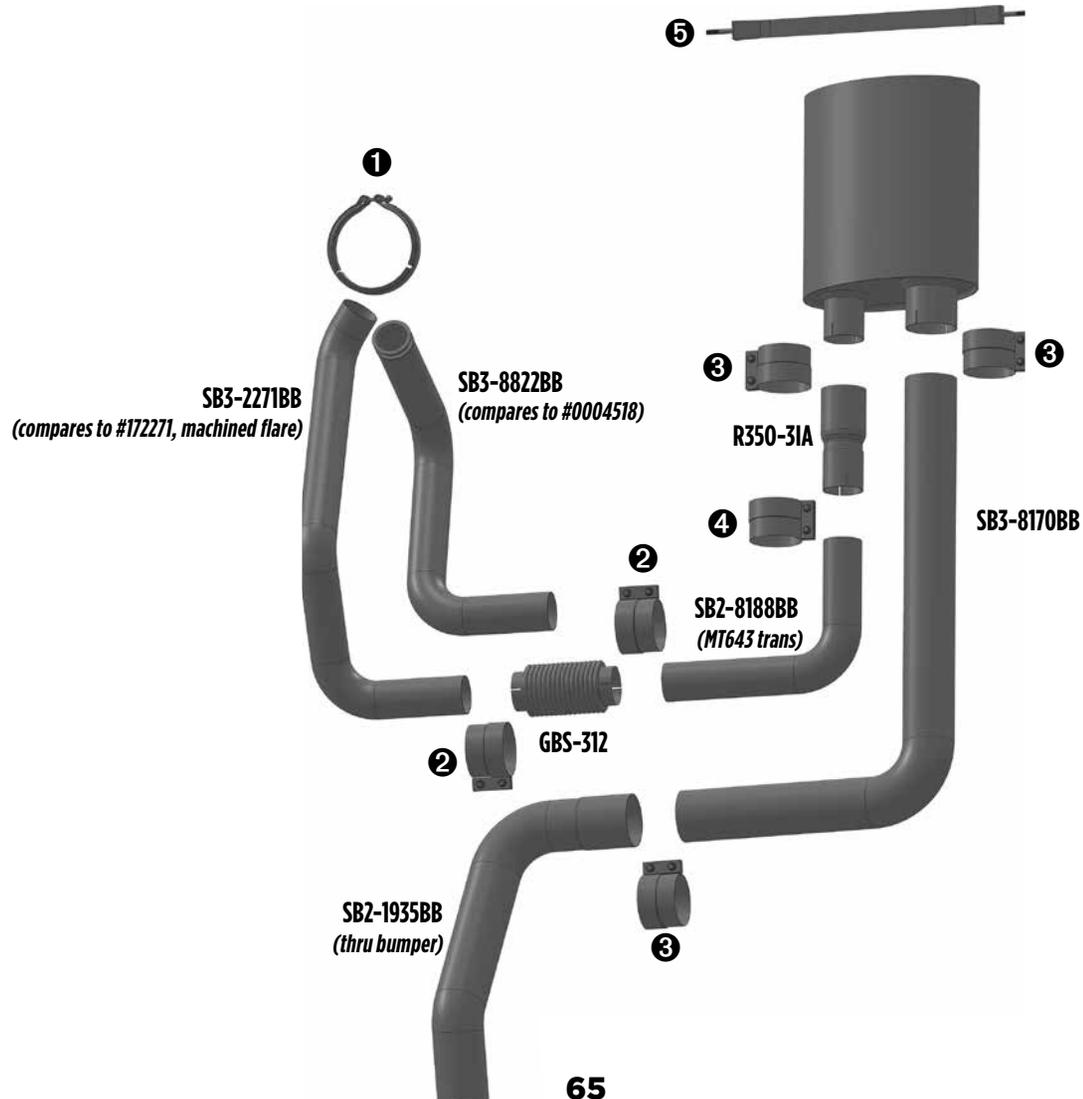
- ❶ VB-461D
- ❷ WFC-4SS
- ❸ WFC-5SS



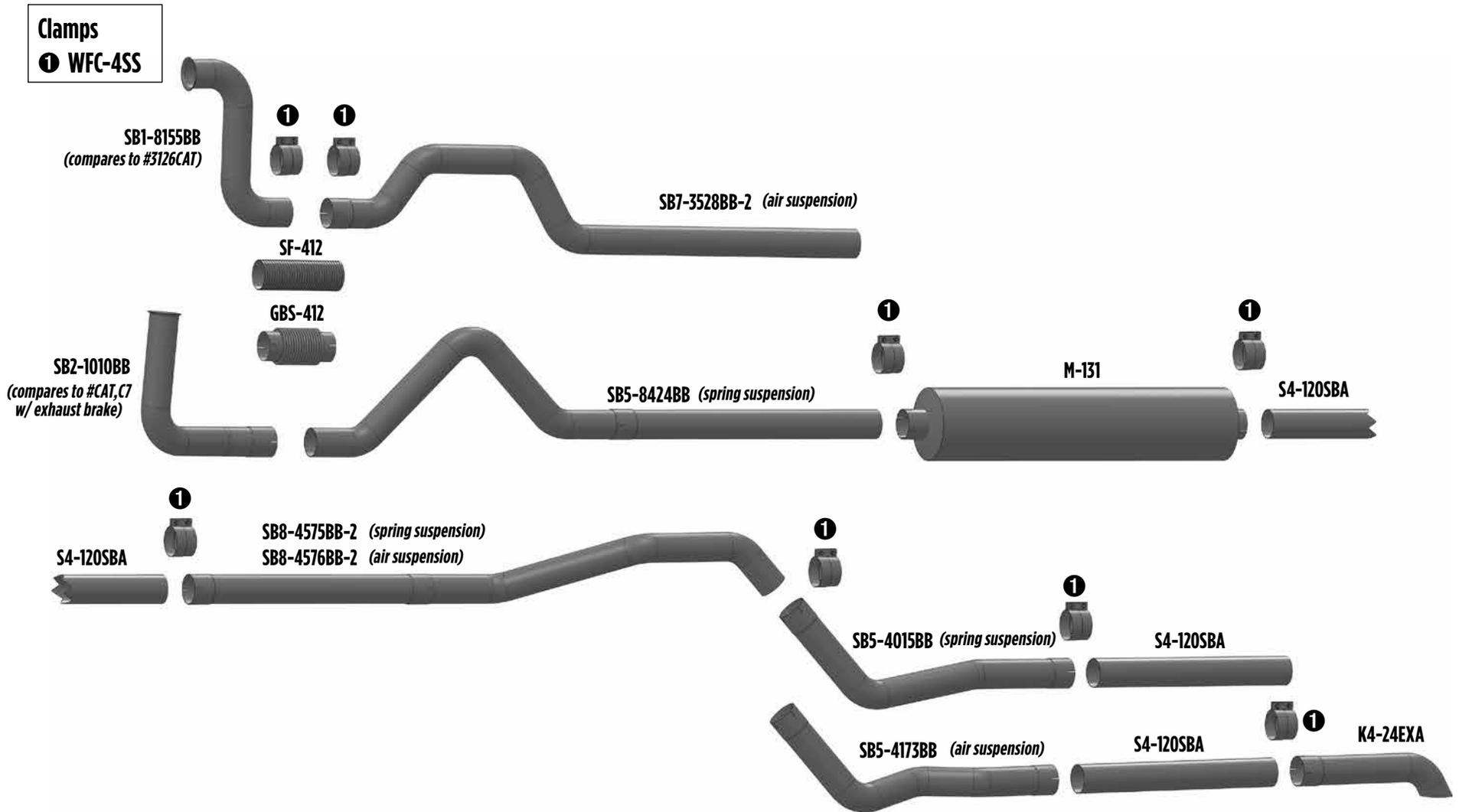
## BB099 - '00 - '02 6 Cyl. TC2000 Bluebird B Series Cummins Begin CSN 991136

### Clamps

- ❶ VB-321C
- ❷ WFC-3SS
- ❸ WFC-4SS
- ❹ WFC-35SS
- ❺ H-BBM4



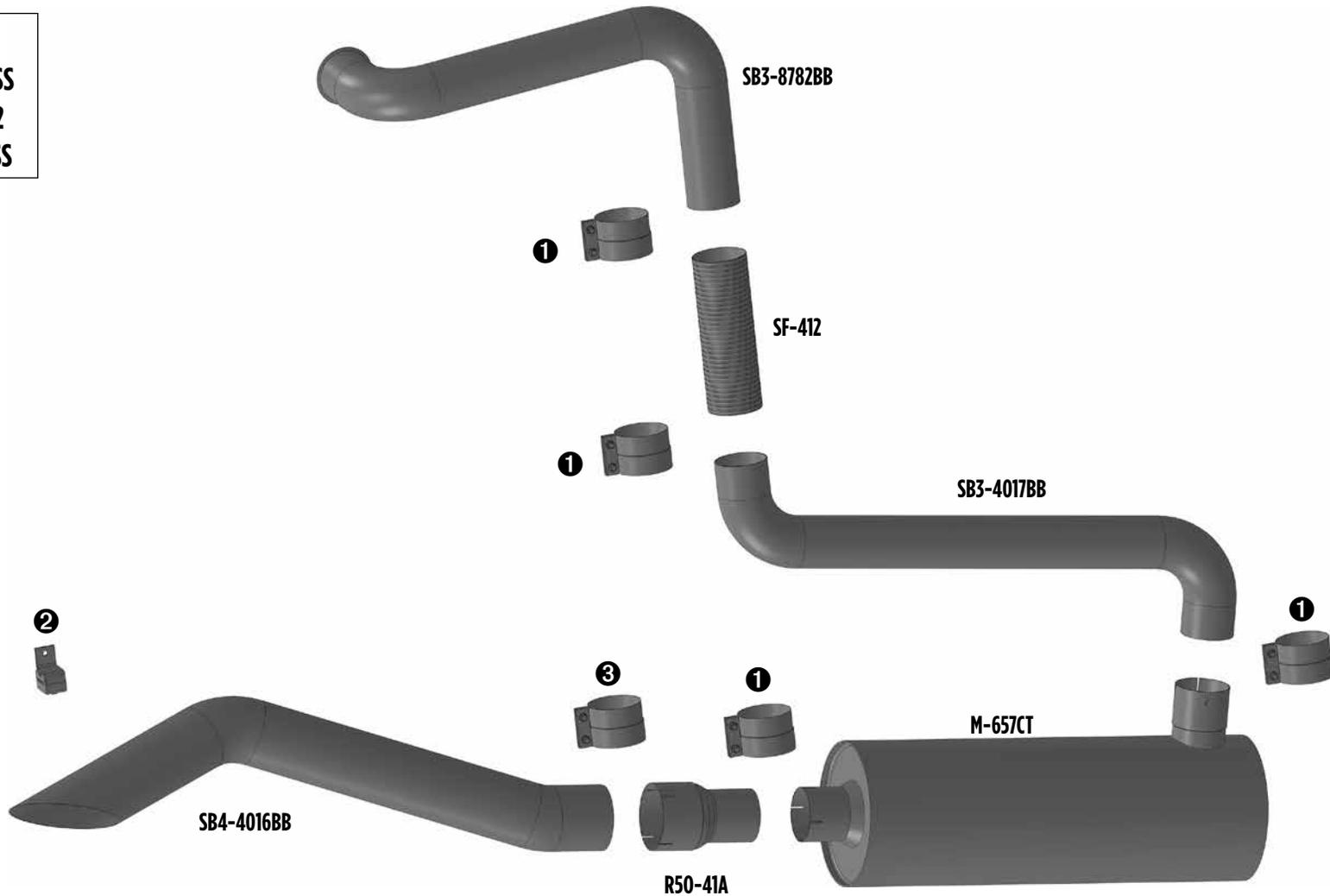
## BB100 - '05 - '09 6 Cyl. Bluebird All American CAT, 3126, C7, EXC DPF System



## BB101 - '04 - '07 6 Cyl. Bluebird All-American 3126 & C-7 Caterpillar Pusher

### Clamps

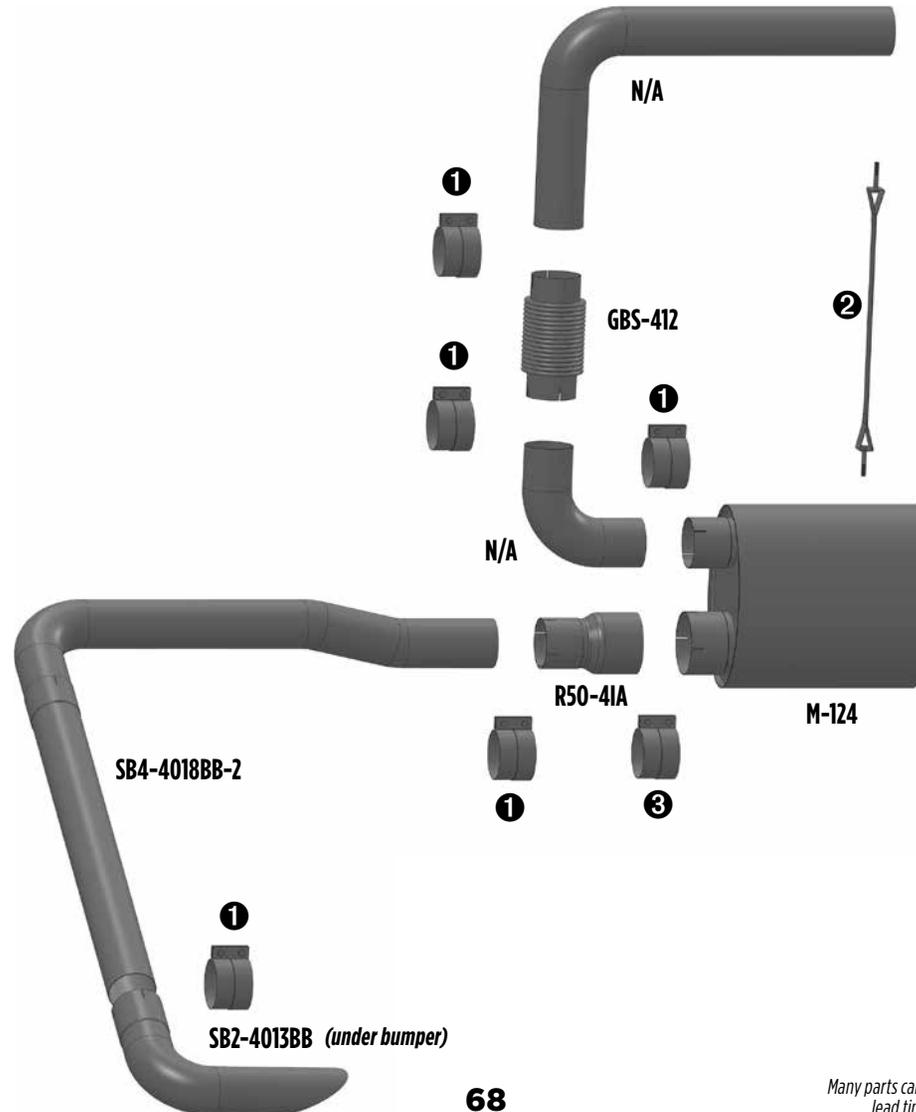
- ① WFC-4SS
- ② H-BBP2
- ③ WFC-5SS



## BB102 - '99 - '01 6 Cyl. All-American & 8.3 Cummins ISC w/ Left Hand 4" Tailpipe

**Clamps**

- ❶ WFC-4SS
- ❷ H-BBM3
- ❸ WFC-5SS

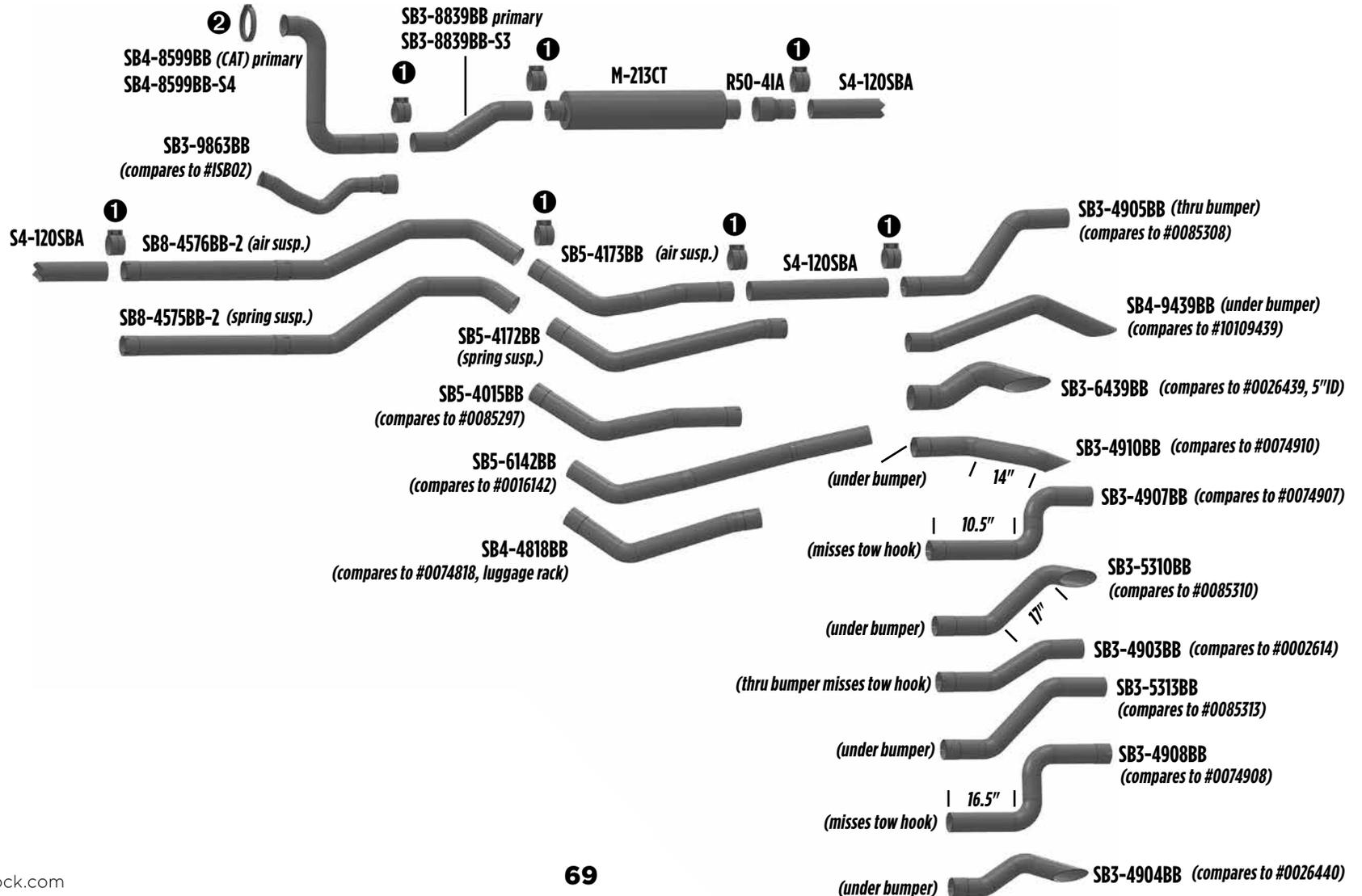


# BLUEBIRD SCHOOL BUS APPLICATIONS

## BB103 - '04 - '09 6 Cyl. Bluebird Vision w/ 3126-C7 CAT and ISB02 Engine Exc, DPF System

### Clamps

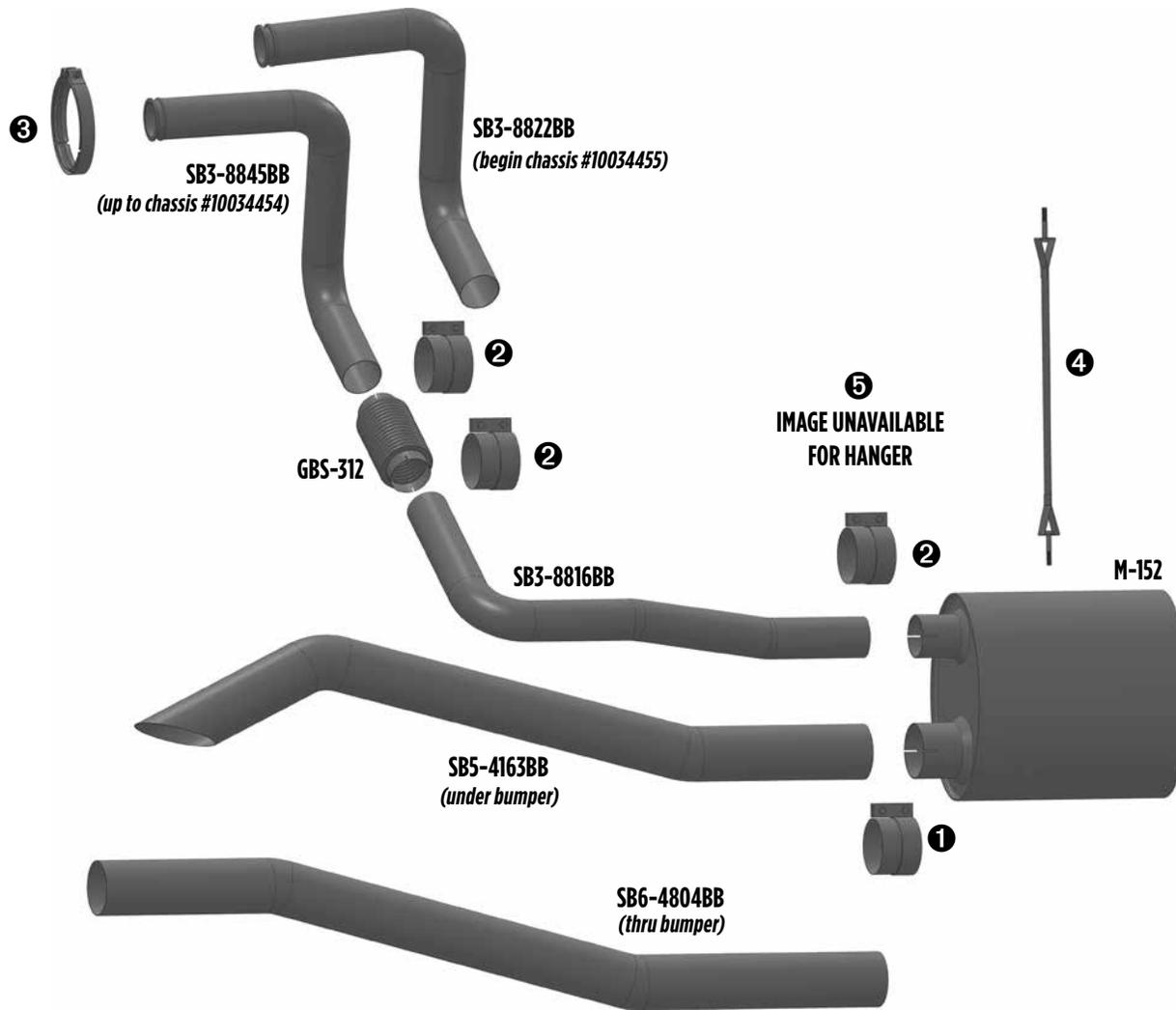
- ① WFC-4SS
- ② VB-461D
- ③ WFC-5SS



## BB104 - '00 - '02 6 Cyl. B-Series All-American Pusher w/ 5.9L ISB Rear Engine

### Clamps

- ① WFC-4SS
- ② WFC-3SS
- ③ VB-321C
- ④ H-BBM4
- ⑤ H-BBP3/  
WRO-4P

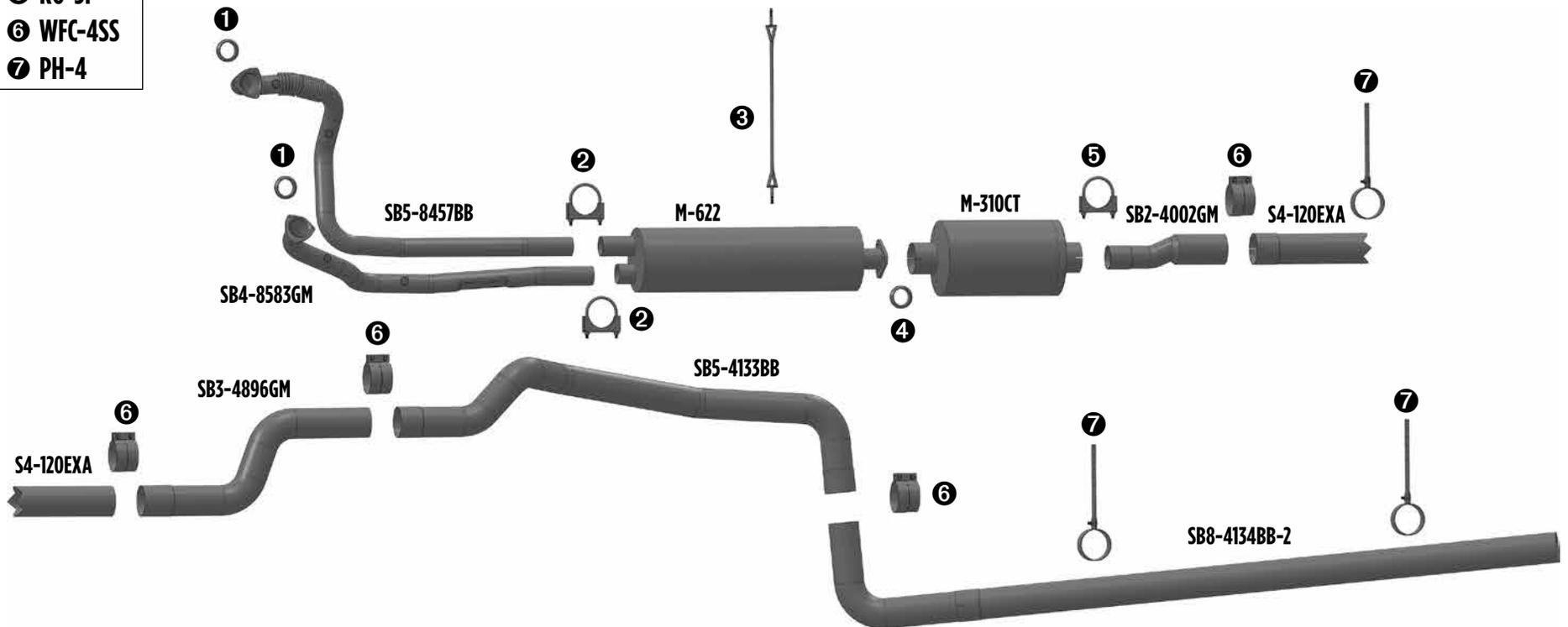


# BLUEBIRD SCHOOL BUS APPLICATIONS

## BB106 - '98 - '02 8 Cyl. CV200 GMC B7 Conventional Chassis w/ 454-502 Engine

### Clamps

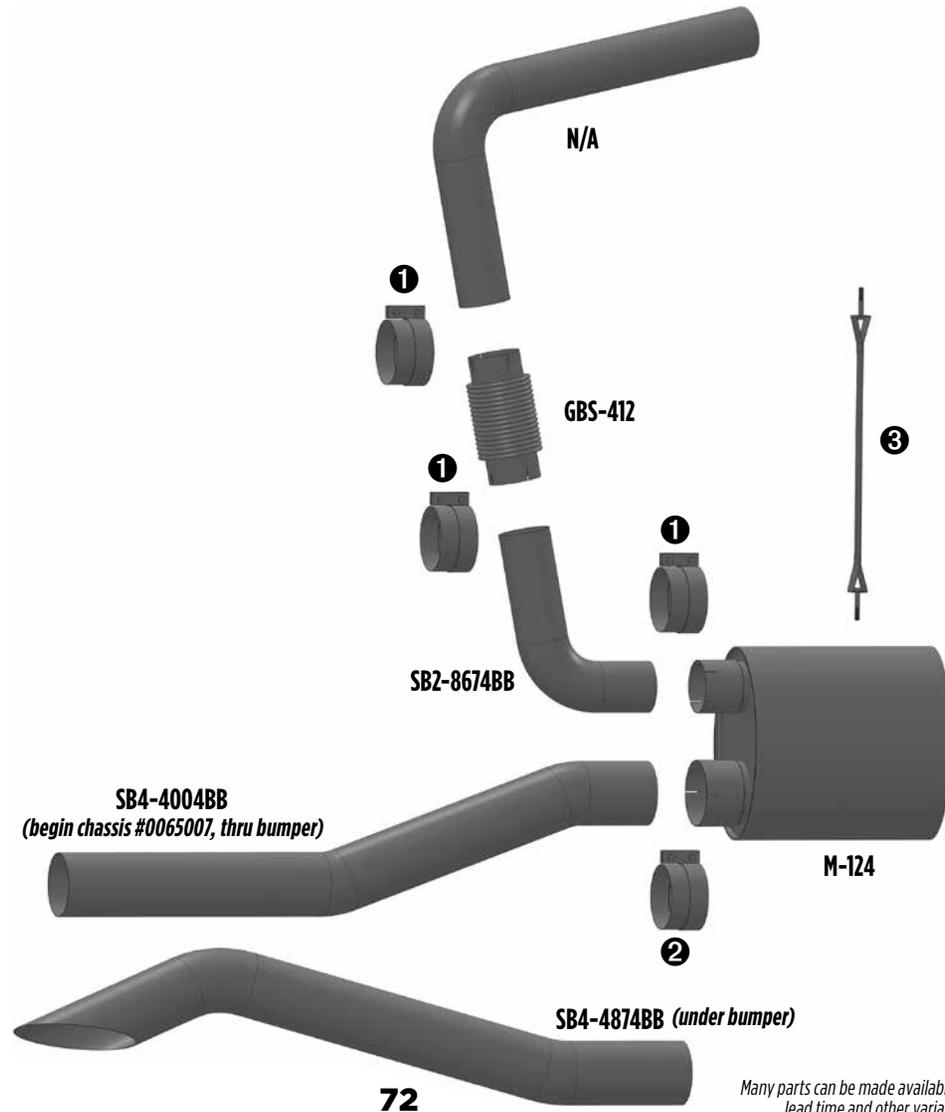
- ❶ WFC-4SS
- ❷ VB-461D
- ❸ H-BBM1
- ❹ G-BB2
- ❺ R0-3P
- ❻ WFC-4SS
- ❼ PH-4



## BB107 - '99 - '01 6 Cyl. All-American & TC2000 8.3 Cummins ISC w/ 5" Tailpipe

### Clamps

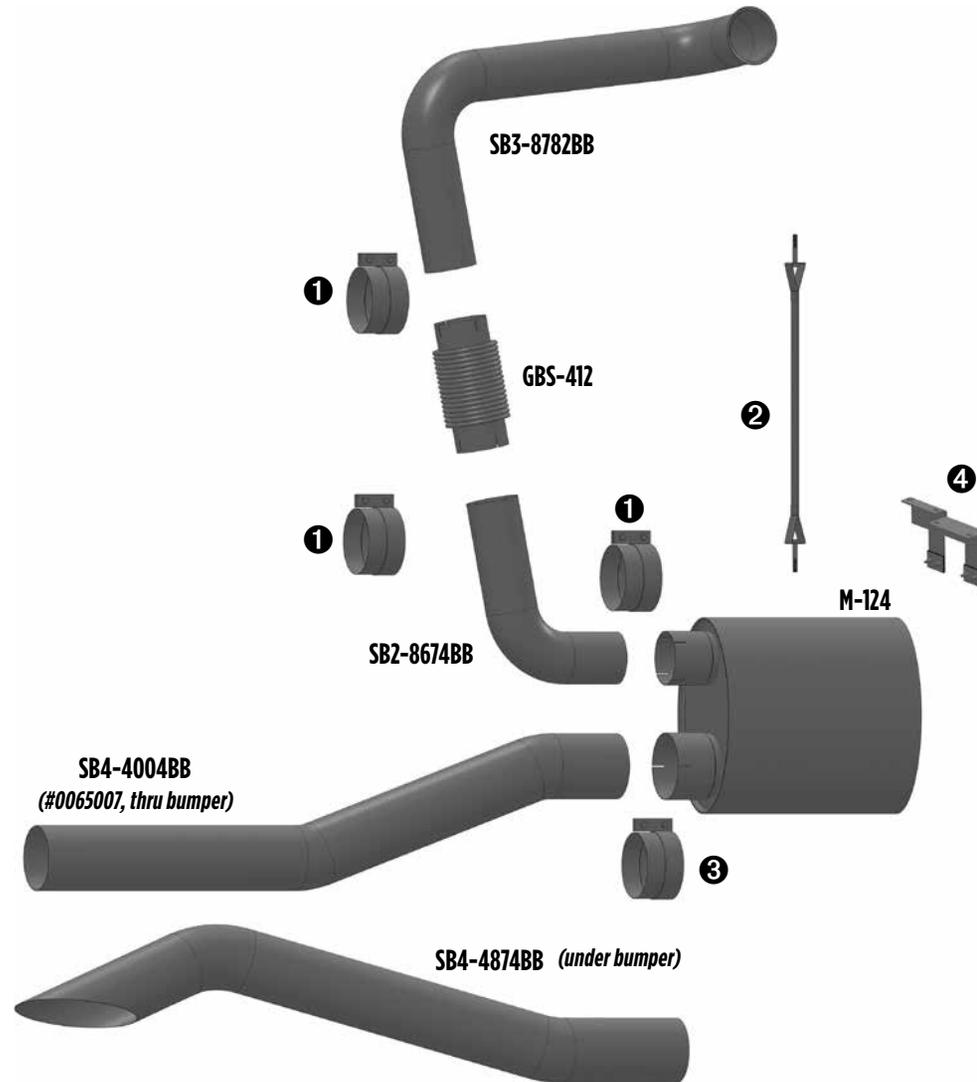
- ① WFC-4SS
- ② WFC-5SS
- ③ H-BBM3



## BB108 - '99 - '01 6 Cyl. All-American 3126 Caterpillar Pusher w/ 5" Tailpipe

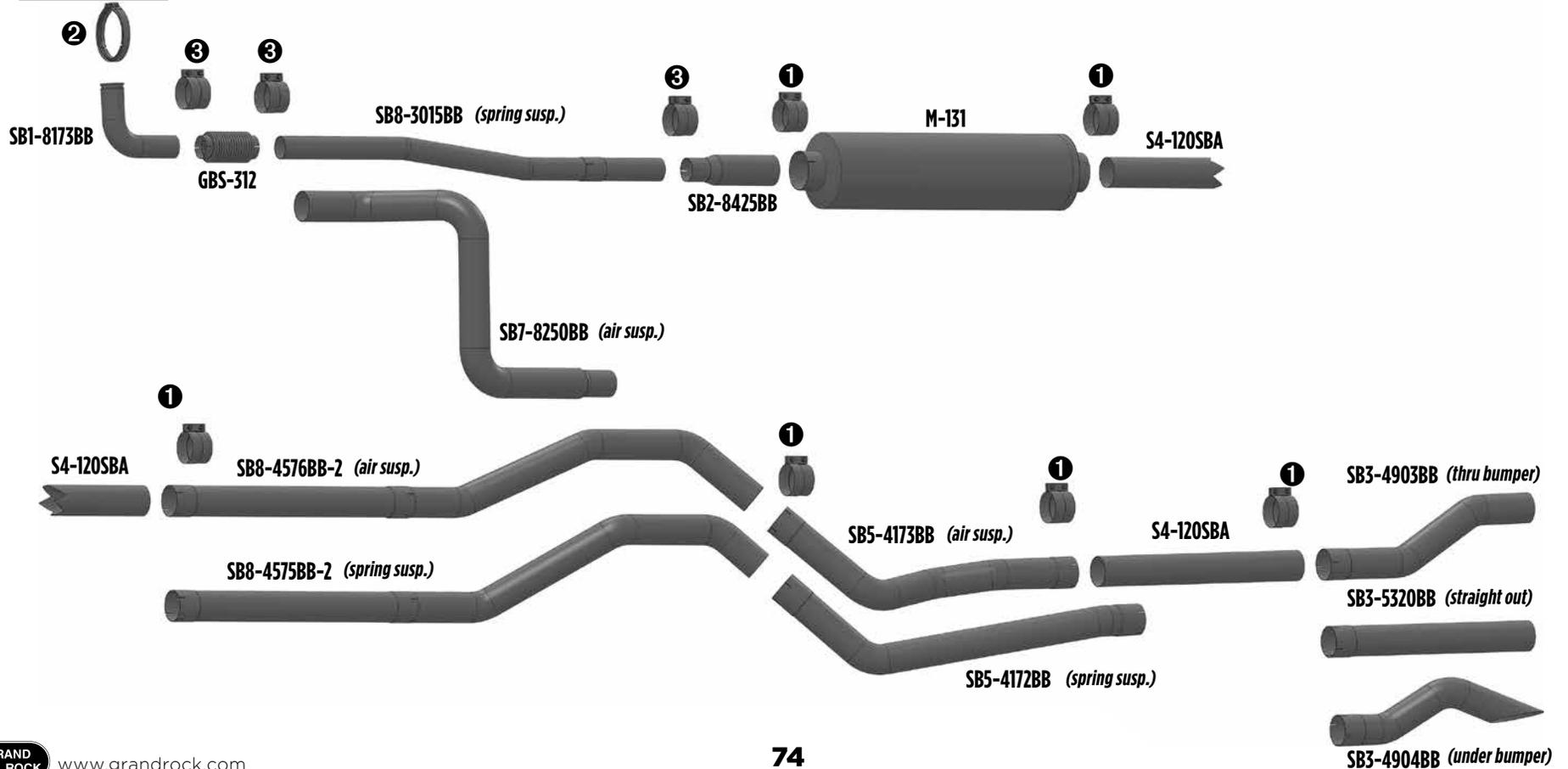
### Clamps

- ① WFC-4SS
- ② H-BBM3
- ③ WFC-5SS
- ④ H-BBM1786



## BB109 - 6 Cyl. All-American B Series Cummins 4" System

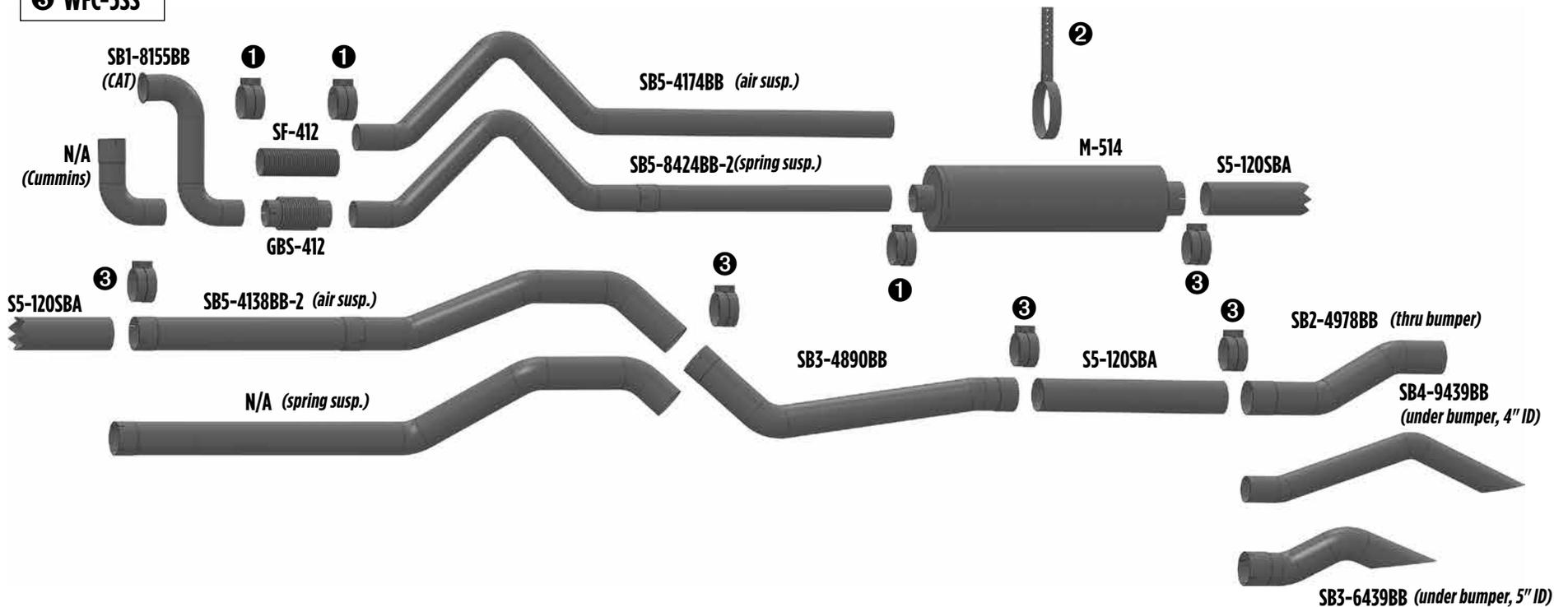
- Clamps**
- ① WFC-4SS
  - ② VB-321C
  - ③ WFC-3SS



## BB110 - 6 Cyl. All American Puller, CAT 3126 and Cummins 8.3L ISC Engines

### Clamps

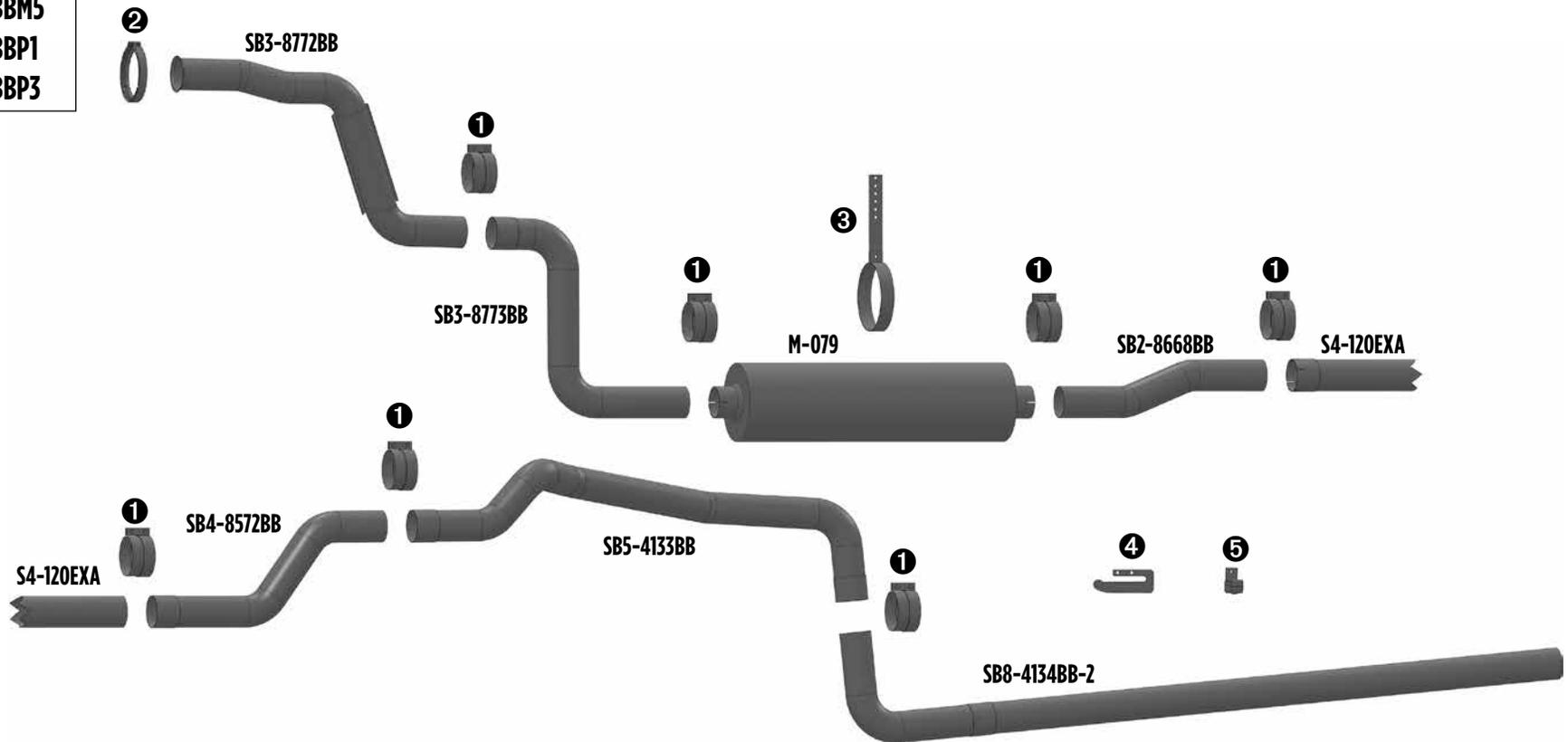
- ① WFC-4SS
- ② RMH-9
- ③ WFC-5SS



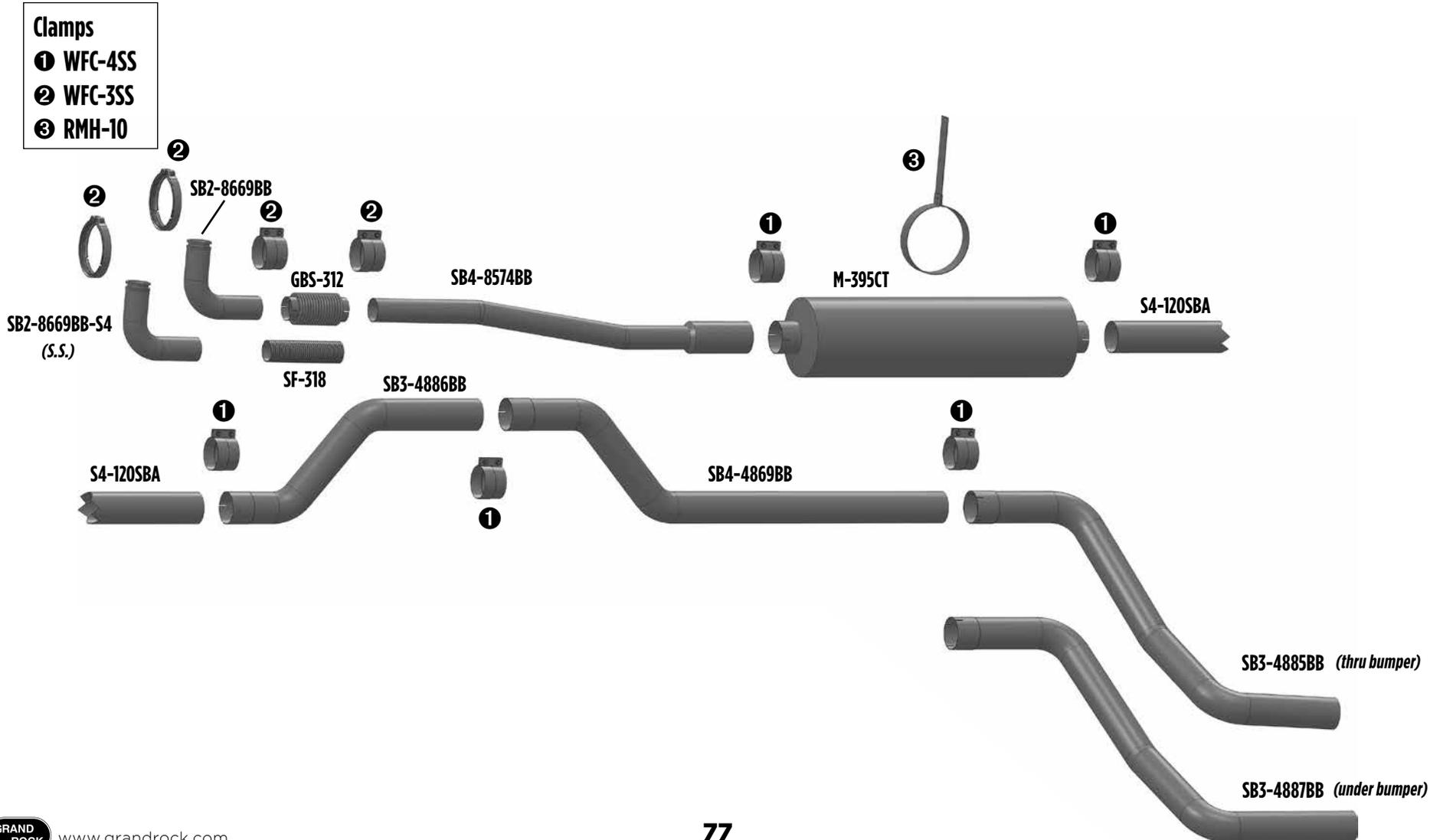
## BB111 - '98 - '01 6 Cyl. 3126 Cat Bluebird CV200; GMC B7 Conventional Chassis

### Clamps

- ① WFC-4SS
- ② VB-461D
- ③ H-BBM5
- ④ H-BBP1
- ⑤ H-BBP3



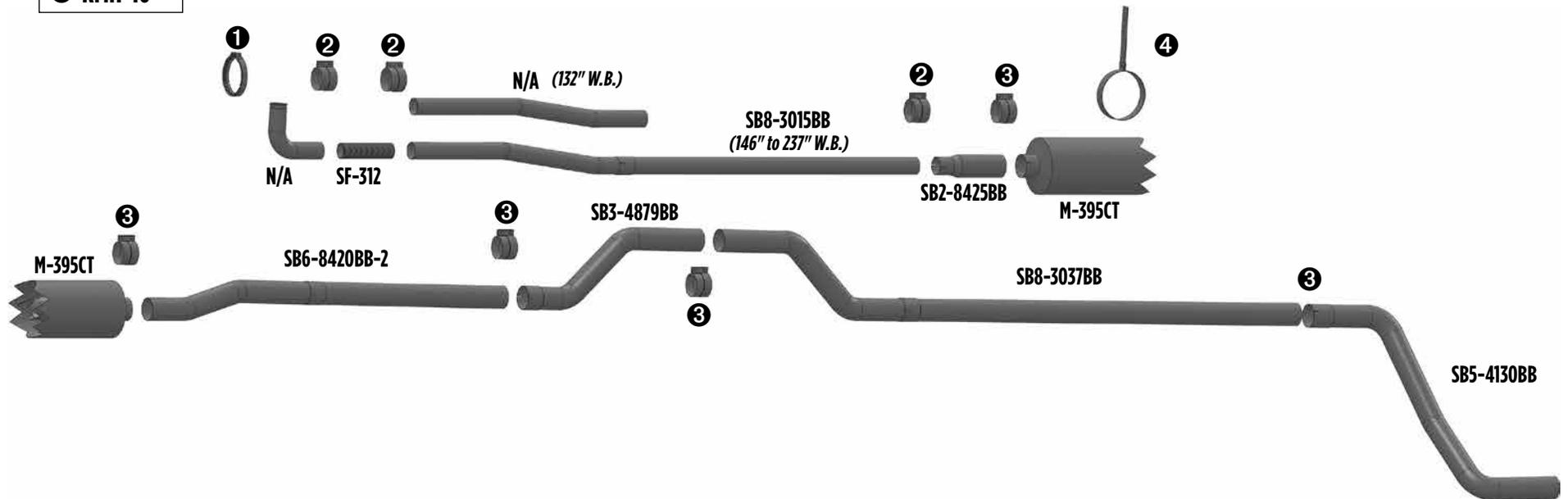
## BB112 - '97 - '00 6 Cyl. TC1000, 5.9L B-Series Cummins Engine; 132" Wheel Base



## BB113 - '95 - '98 6 Cyl. TC2000 w/ 6BTA; 5.9L Turbo Diesel; Rear Exit Tail Pipe; Side Mounted Fuel Tank; w/ Converter; 132", 146" - 195", 216" - 237" W.B.

### Clamps

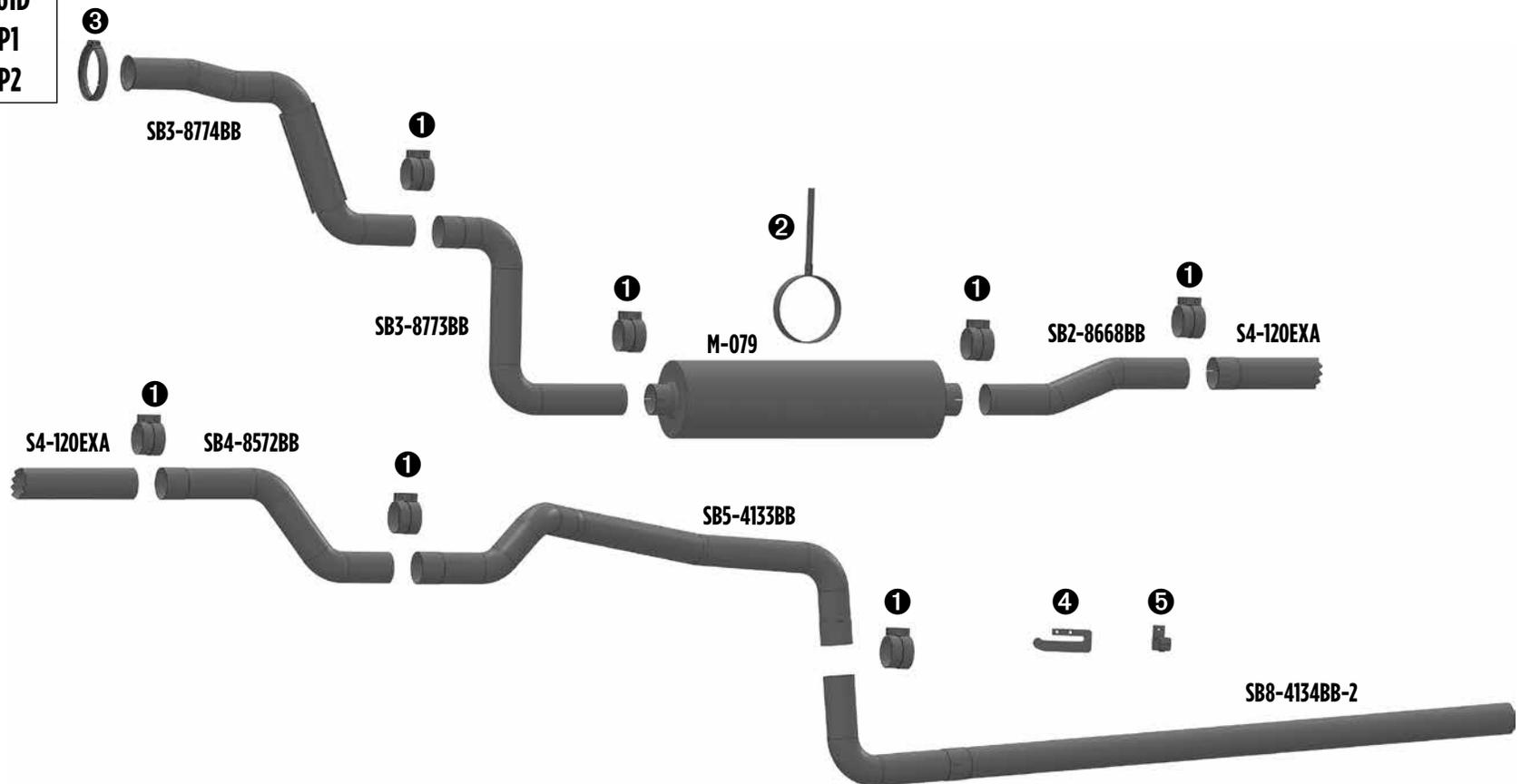
- ① VB-321C
- ② WFC-3SS
- ③ WFC-4SS
- ④ RMH-10



## BB114 - '94 - '98 6 Cyl. 3116 Cat Bluebird CV200; GMC B7 Conventional Chassis

### Clamps

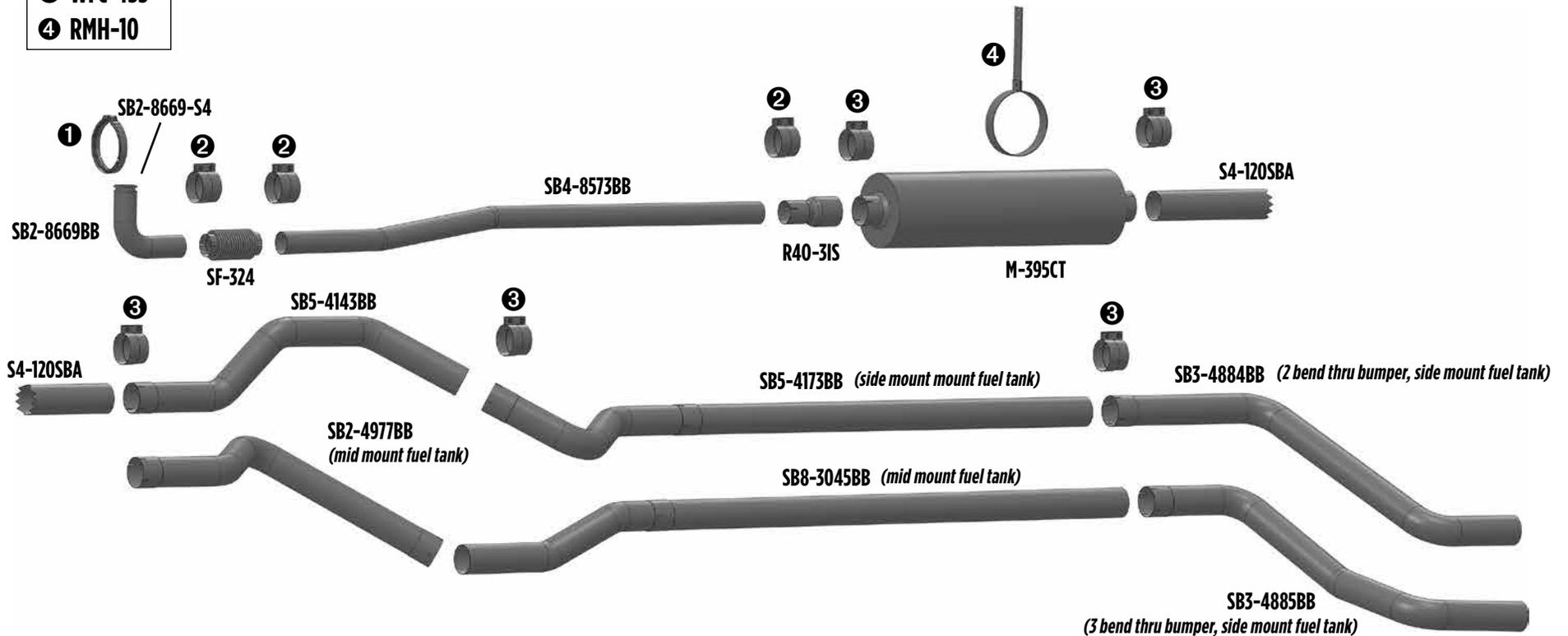
- ① WFC-4SS
- ② RMH-10
- ③ VB-461D
- ④ H-BBP1
- ⑤ H-BBP2



## BB116 - '94 - '98 6 Cyl. TC2000, 5.9L B-Series Cummins Engine; w/ Air Ride Suspension; 174"-216" W.B., 237" W.B.

### Clamps

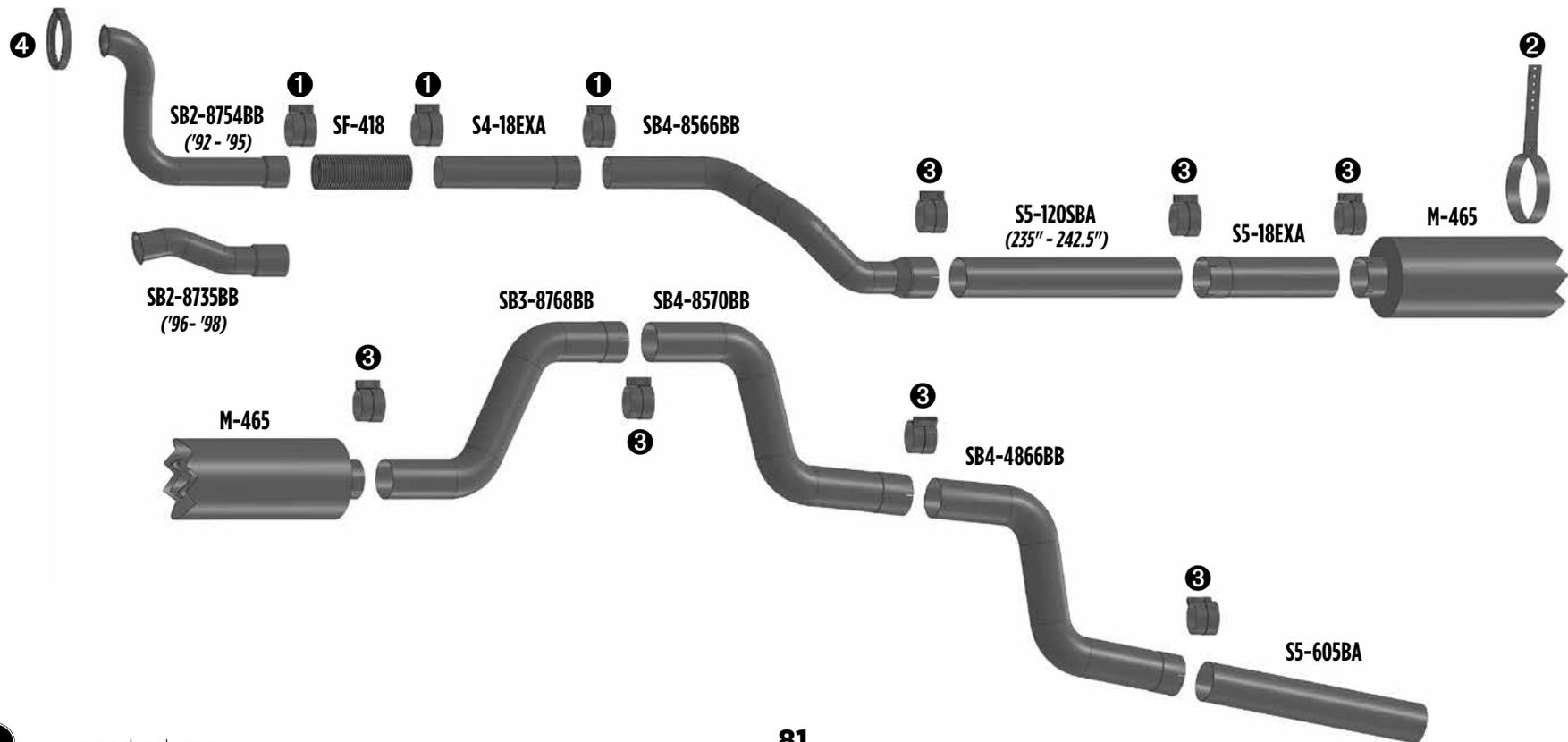
- ① VB-321C
- ② WFC-3SS
- ③ WFC-4SS
- ④ RMH-10



# BLUEBIRD SCHOOL BUS APPLICATIONS

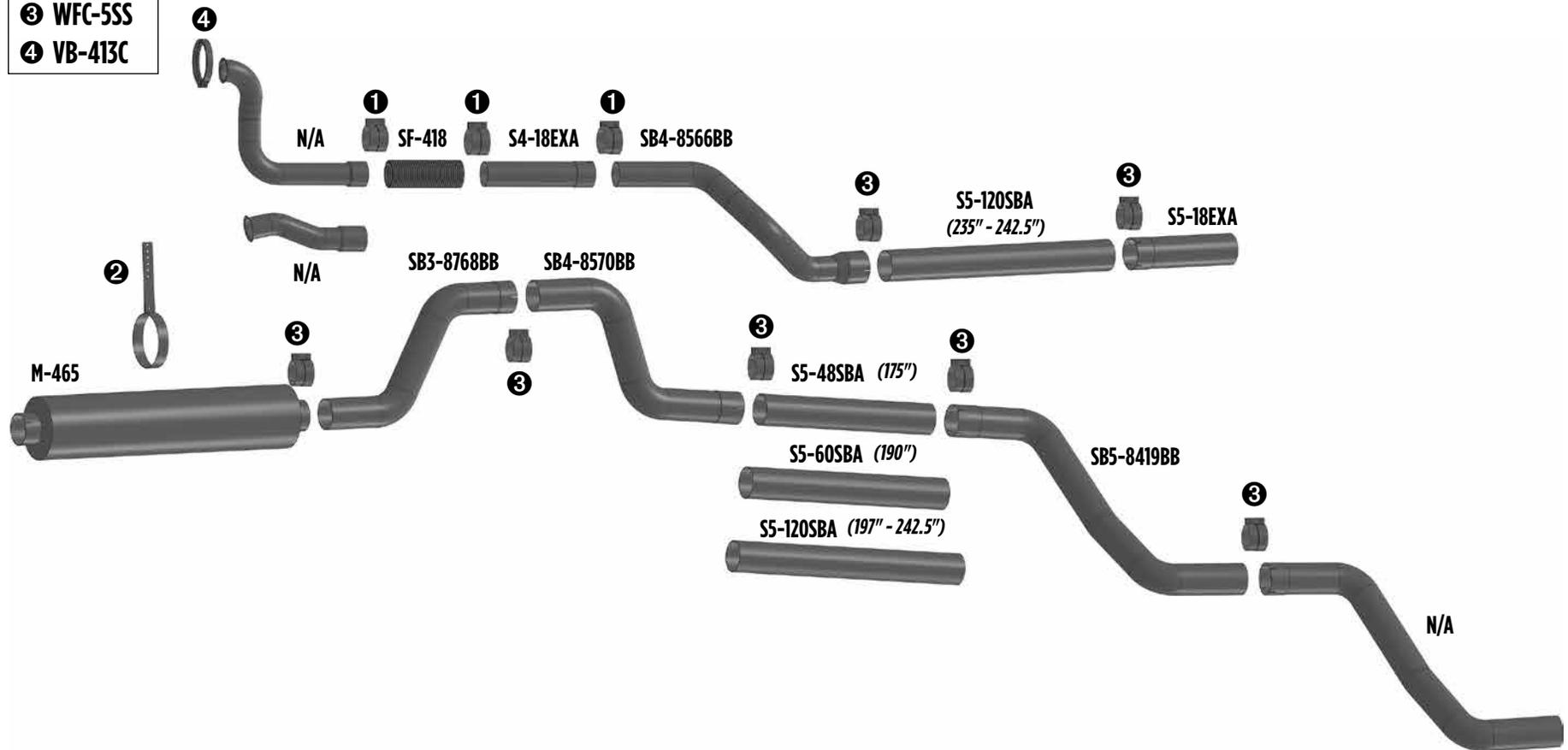
**BB117 - '92 - '98 6 Cyl. All-American w/ Cummins 8.3L Turbo Diesel; Spring Front Suspension; Mid Mounted Fuel Tank (from Chassis No. 977611); 5" Tail Pipe Through Rear Bumper; 175" - 190", 197.5" - 227.5", 235"-242.5" W.B.**

- Clamps**
- ① WFC-4SS
  - ② RMH-10
  - ③ WFC-5SS
  - ④ VB-413C



## BB118 - '92 - '98 6 Cyl. All-American w/ Cummins 8.3L Turbo Diesel; Spring Front Suspension; Side Mounted Fuel Tank (from Chassis No. 977611); 5" Tail Pipe; 175", 190", 197.5" - 227.5", 235"-242.5" W.B.

- Clamps
- ① WFC-4SS
  - ② RMH-10
  - ③ WFC-5SS
  - ④ VB-413C

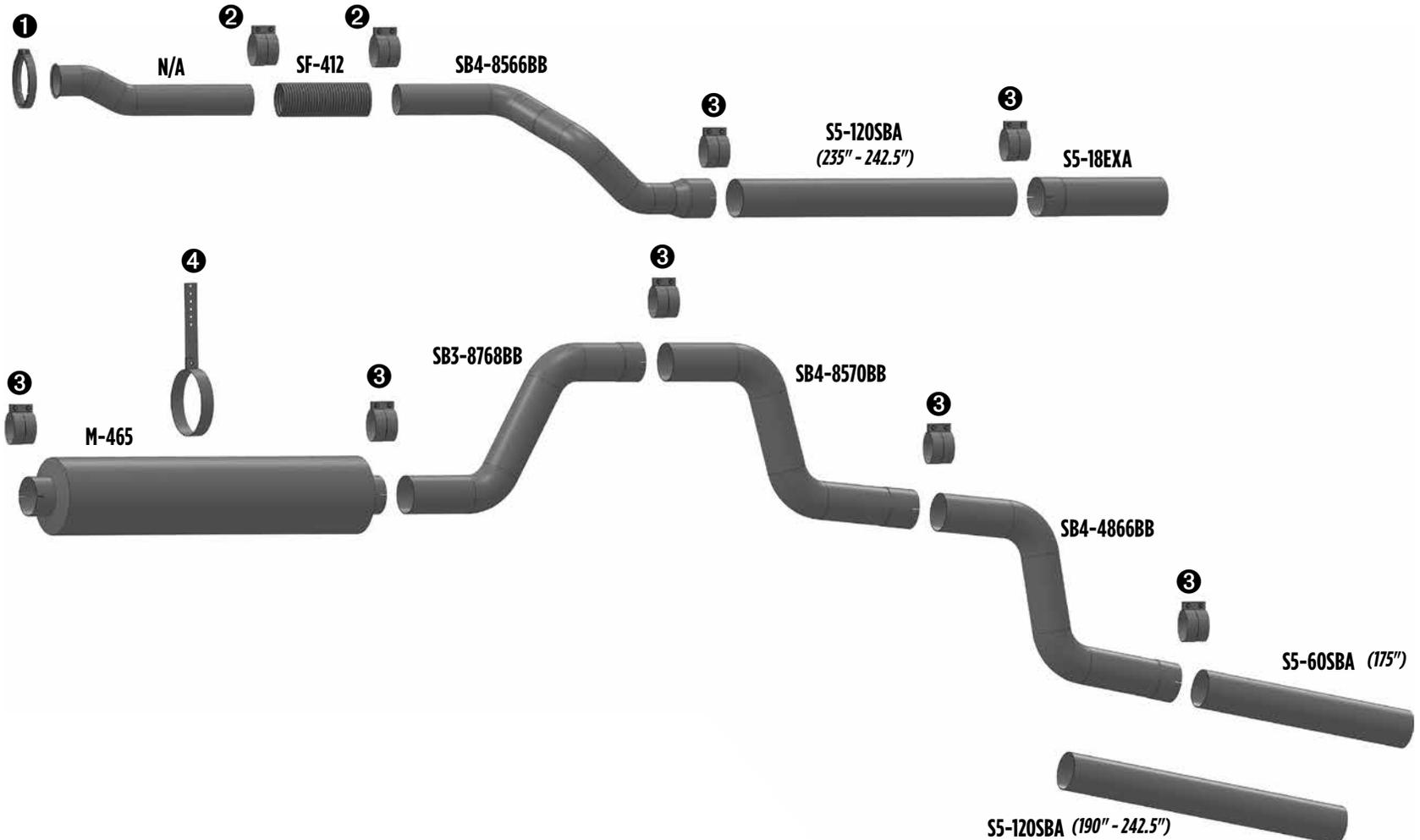


# BLUEBIRD SCHOOL BUS APPLICATIONS

**BB119 - '92 - '98 6 Cyl. All American w/ Caterpillar 3116 (6.6L) Diesel; Mid-Mounted Fuel Tank (From Chassis No. 977303); 5" Tail Pipe Through Rear Bumper; 175", 190"-227.5", 235"-242.5" W.B.**

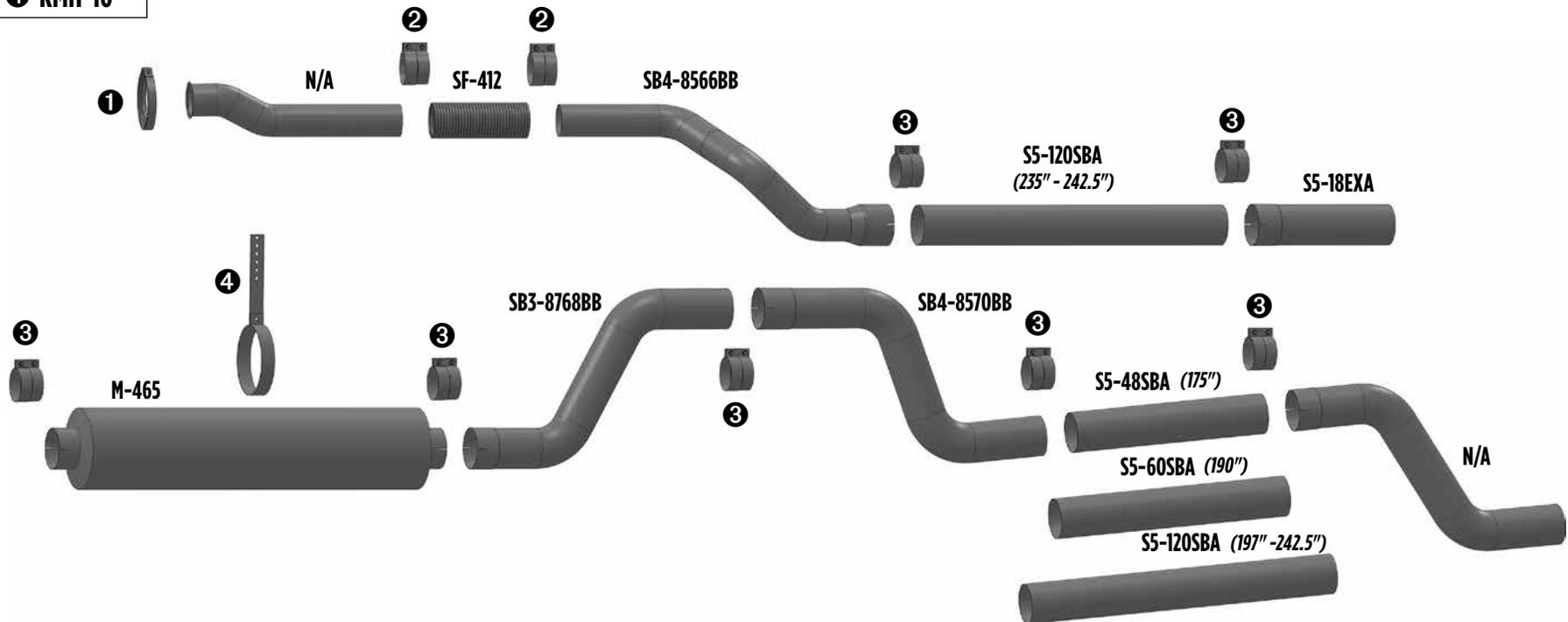
**Clamps**

- ① VB-461D
- ② WFC-4SS
- ③ WFC-5SS
- ④ RMH-10



## BB120 - '92 - '98 6 Cyl. All American w/ Caterpillar 3116 (6.6L) Diesel; Side-Mounted Fuel Tank (From Chassis No. 977303); 5" Tailpipe; 175", 190", 197.5"-227.5", 235"-242.5" W.B.

- Clamps
- ① VB-461D
  - ② WFC-4SS
  - ③ WFC-5SS
  - ④ RMH-10

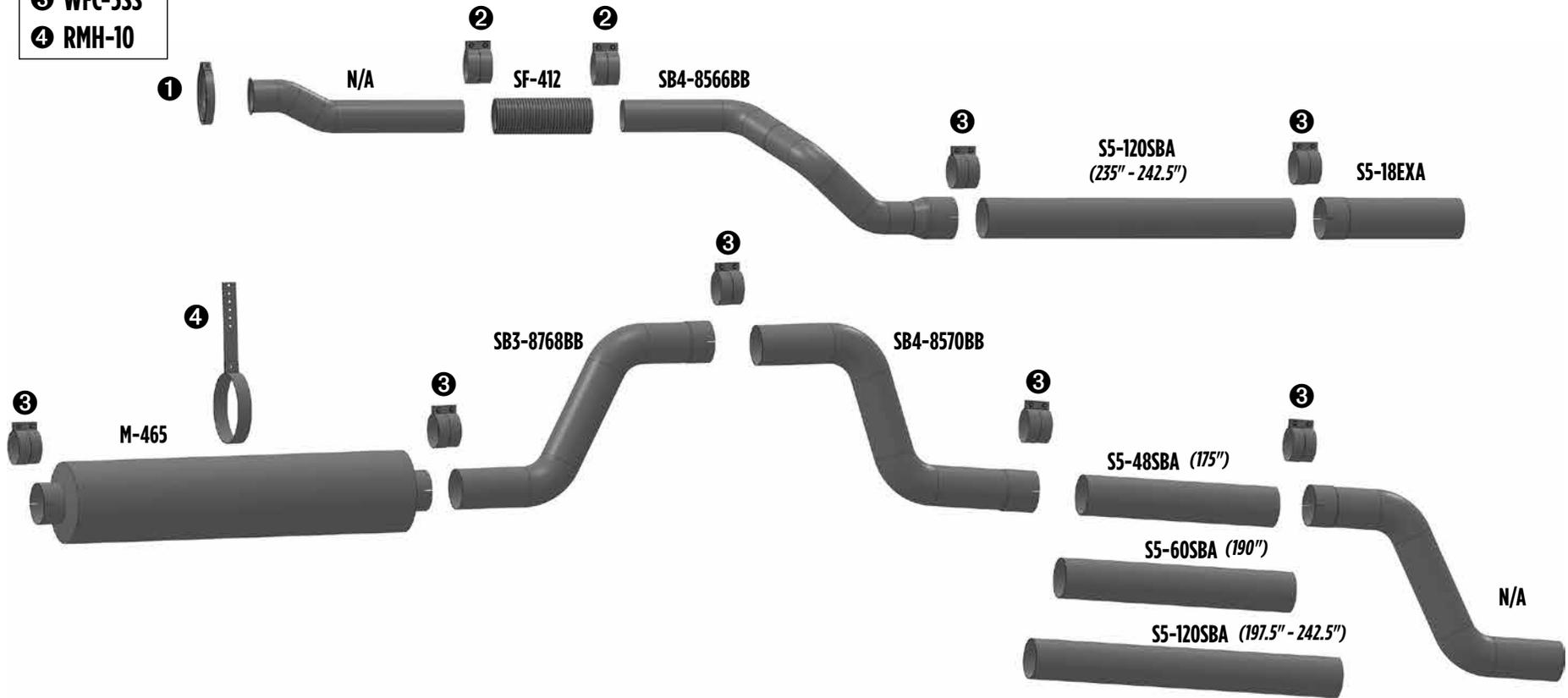


# BLUEBIRD SCHOOL BUS APPLICATIONS

## BB121 - '92 - '98 6 Cyl. All American w/ Caterpillar 3116 (6.6L) Diesel; Side Mounted Fuel Tank; 5" Tail Pipe (From Chassis No. 977303); 175", 190", 197.5"-227.5", 235"-242.5" W.B.

### Clamps

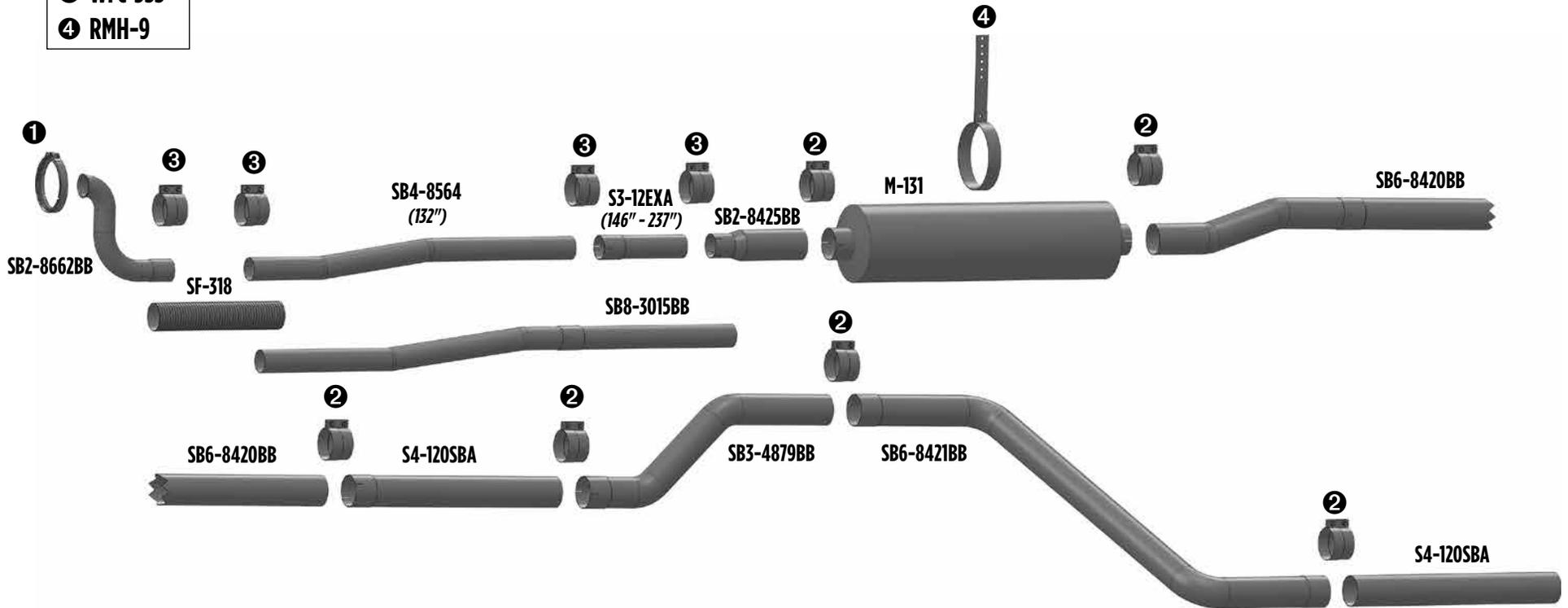
- ① VB-461D
- ② WFC-4SS
- ③ WFC-5SS
- ④ RMH-10



**BB122 - '88 - '97 6 Cyl. TC2000 w/ 6BTA; 5.9L Turbo Diesel; Rear Exit Tail Pipe; Mid-Mounted Fuel Tank;  
w/ Codes 4452, 4453, 4513, 4514; 132", 146"-174", 195"-216", 237" W.B.**

**Clamps**

- ① VB-461D
- ② WFC-4SS
- ③ WFC-3SS
- ④ RMH-9

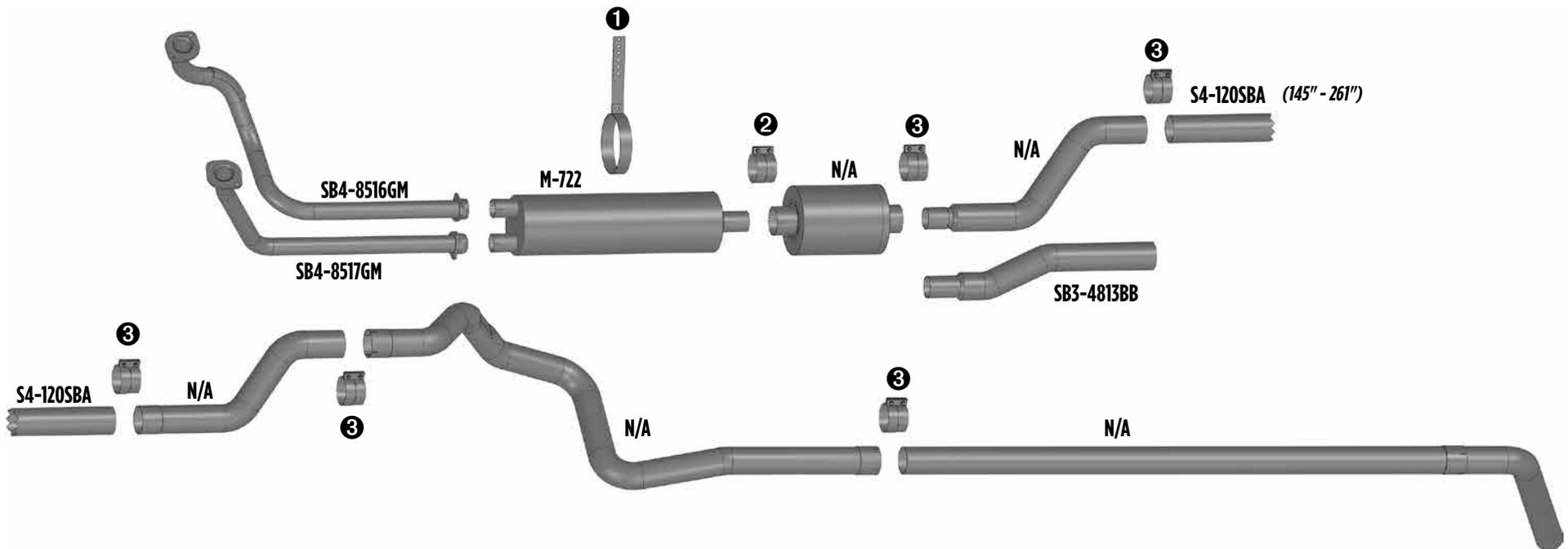


# BLUEBIRD SCHOOL BUS APPLICATIONS

**BB123 - '92 - '95 8 Cyl. CV200 w/ 366, 427 C.I.D. gas Engine w/ Converter; Tail Pipe Exits at the Rear of Bus; 145", 157"-193", 209"-261" W.B.**

**Clamps**

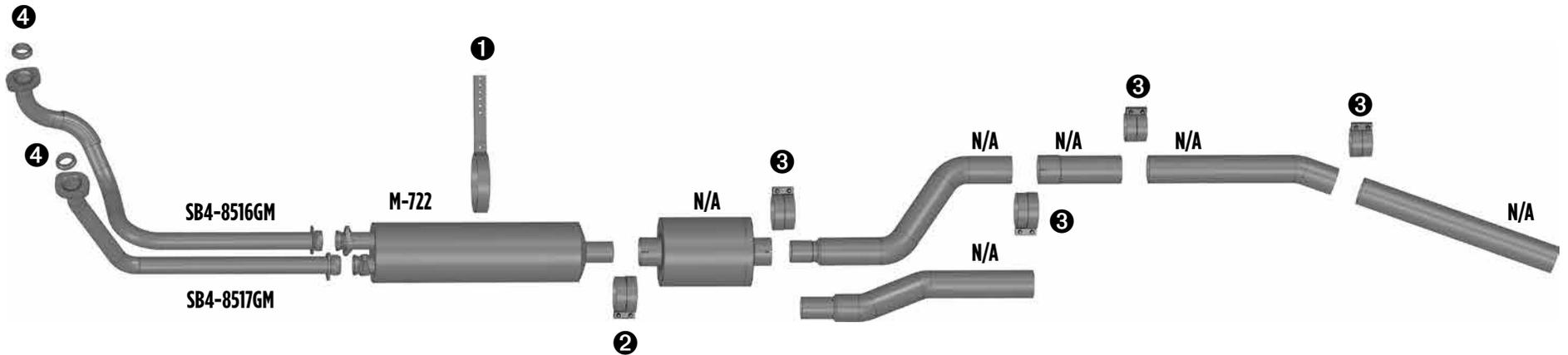
- ❶ RMH-85
- ❷ WFC-3SS
- ❸ WFC-4SS



## BB124 - '92 - '95 8 Cyl. CV200; 366, 427 (6.0, 7.0) TBI Eng.; With Converter; Tail Pipe Exits Side of Bus in Front of Rear Wheel; 145", 209", 261" W.B.

### Clamps

- ① RMH-85
- ② WFC-3SS
- ③ WFC-4SS
- ④ GBB-1

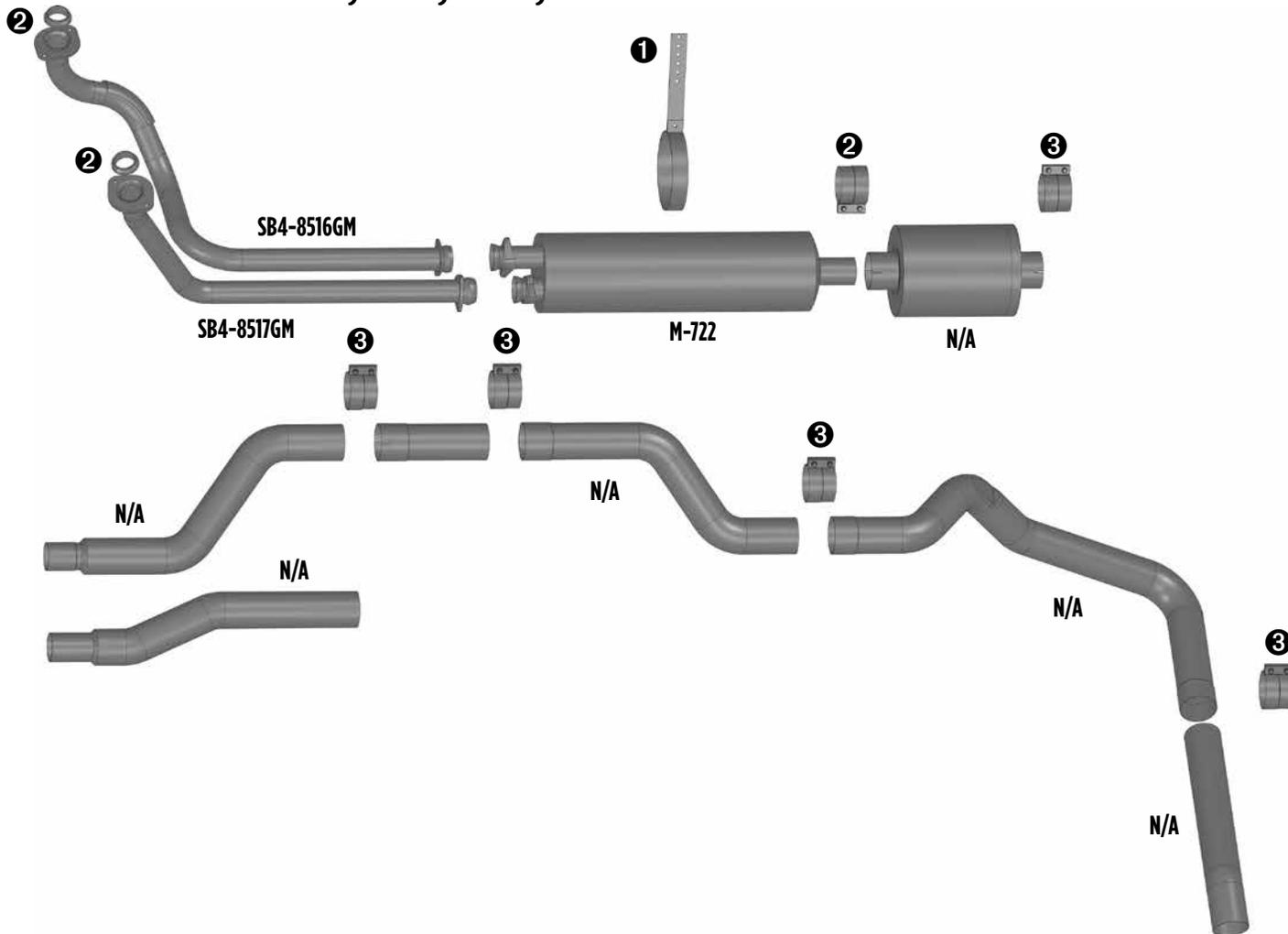


# BLUEBIRD SCHOOL BUS APPLICATIONS

## BB125 - '92 - '95 8 Cyl. CV200; 366, 427 (6.0, 7.0) TBI Eng.; With Converter; Tail Pipe Exits Side of Bus Behind Rear Wheel; 145", 209", 261" W.B.

### Clamps

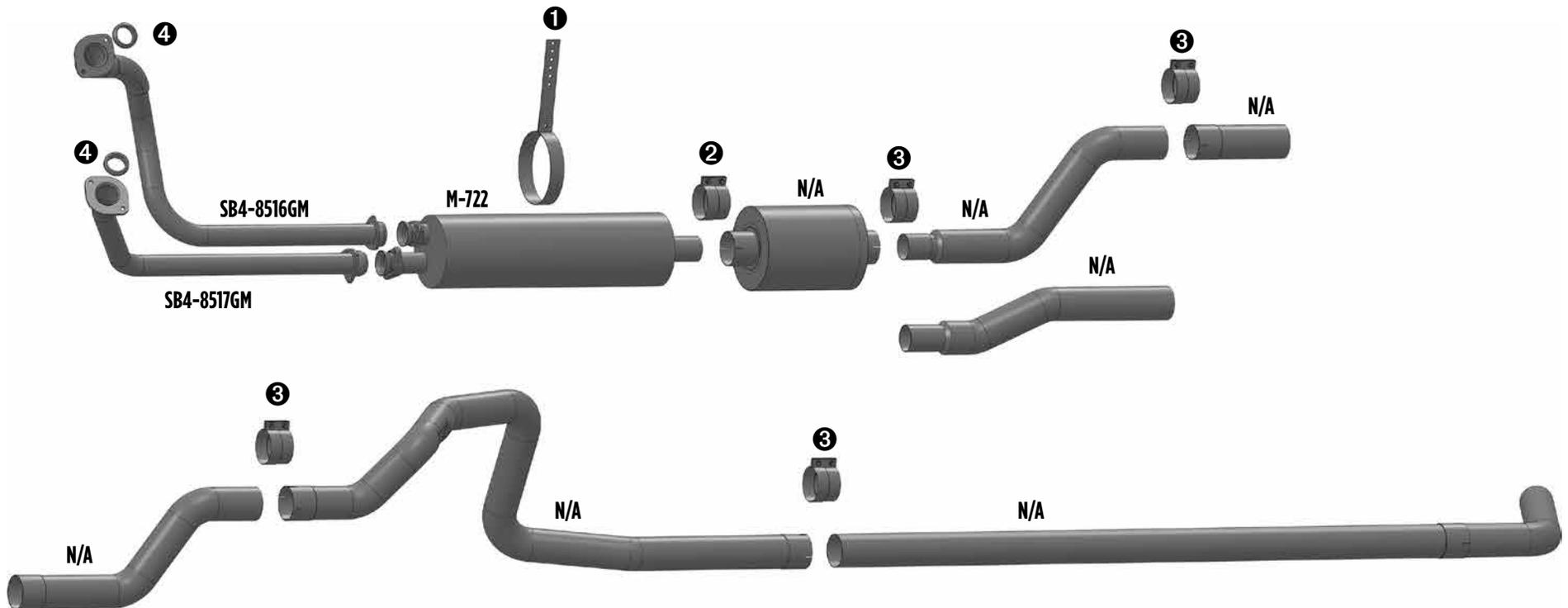
- ① RMH-85
- ② WFC-3SS
- ③ WFC-4SS
- ④ G-BB1



## BB126 - '92 - '95 8 Cyl. CV200; 366, 427 (6.0, 7.0) TBI Eng.; With Converter; Tail Pipe Exits Side of Bus Behind Rear Dual Wheels; 145", 209", 261" W.B.

### Clamps

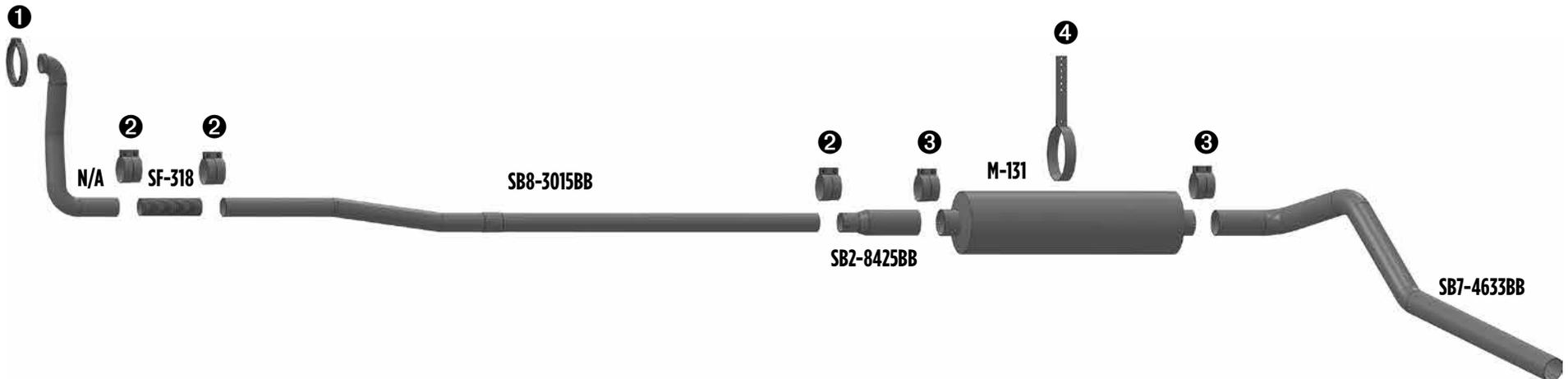
- ① RMH-85
- ② WFC-3SS
- ③ WFC-4SS
- ④ G-BB1



## BB127 - '87 - '95 6 Cyl. Models with standard exhaust (Side Exit in Front of Rear Tire) TC2000; 5.9L Cummins Diesel Engine, Automatic Transmission

### Clamps

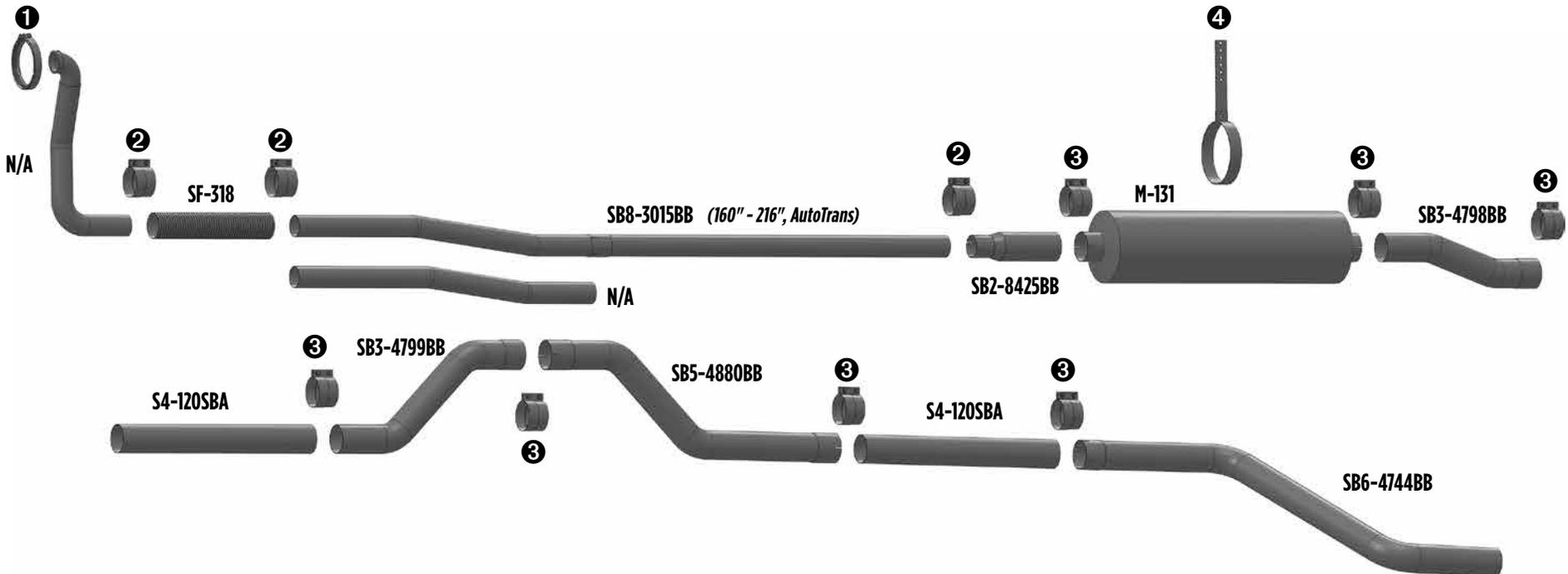
- ① VB-321C
- ② WFC-3SS
- ③ WFC-4SS
- ④ RMH-9



## BB128 - '87 - '95 6 Cyl. Models with Extended Tailpipe (Rear Outlet) TC2000; 5.9L Cummins Diesel Engine; 132", 160"-216" W.B., Automatic Transmission

### Clamps

- ① VB-321C
- ② WFC-3SS
- ③ WFC-4SS
- ④ RMH-9

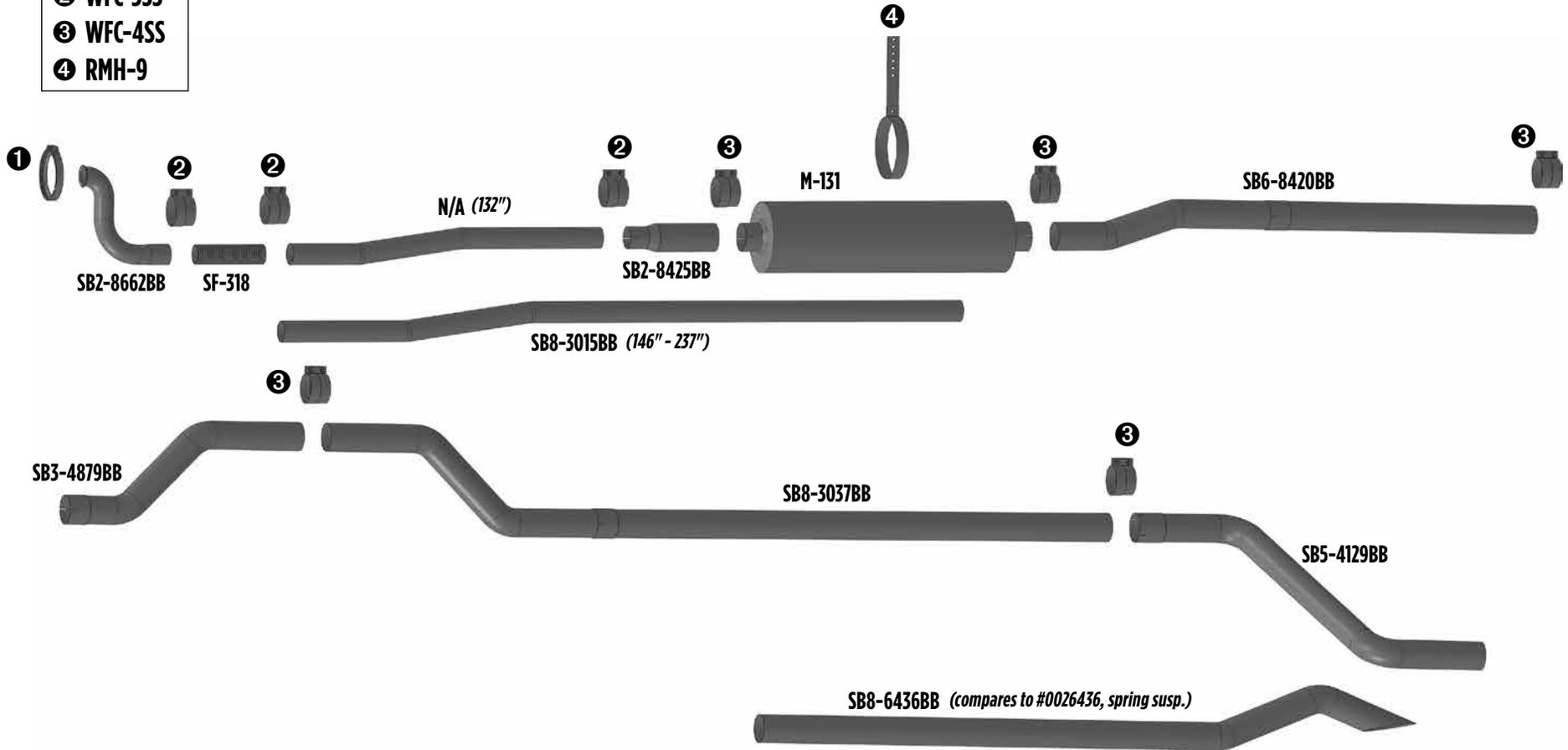


# BLUEBIRD SCHOOL BUS APPLICATIONS

**BB129 - '88 - '94 6 Cyl. TC2000 w/ 6BTA; 5.9L Turbo Diesel; Rear Exit Tail Pipe; Side Mounted Fuel Tank;  
132", 146"-195", 216"-237" W.B.**

**Clamps**

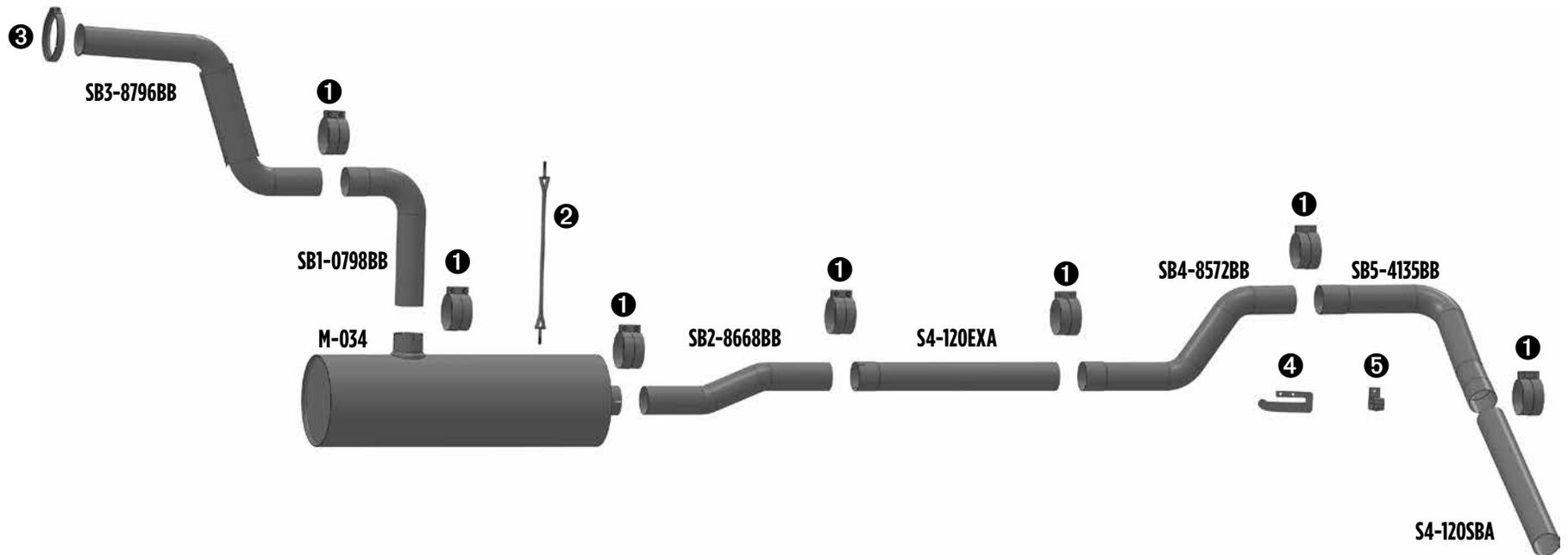
- ① VB-321C
- ② WFC-3SS
- ③ WFC-4SS
- ④ RMH-9



## BB130 - '92 - '93 6 Cyl. GMC-Bluebird 3116 Caterpillar Engine

### Clamps

- ① WFC-4SS
- ② H-BBM1
- ③ VB-461D
- ④ H-BBP1
- ⑤ H-BBP2

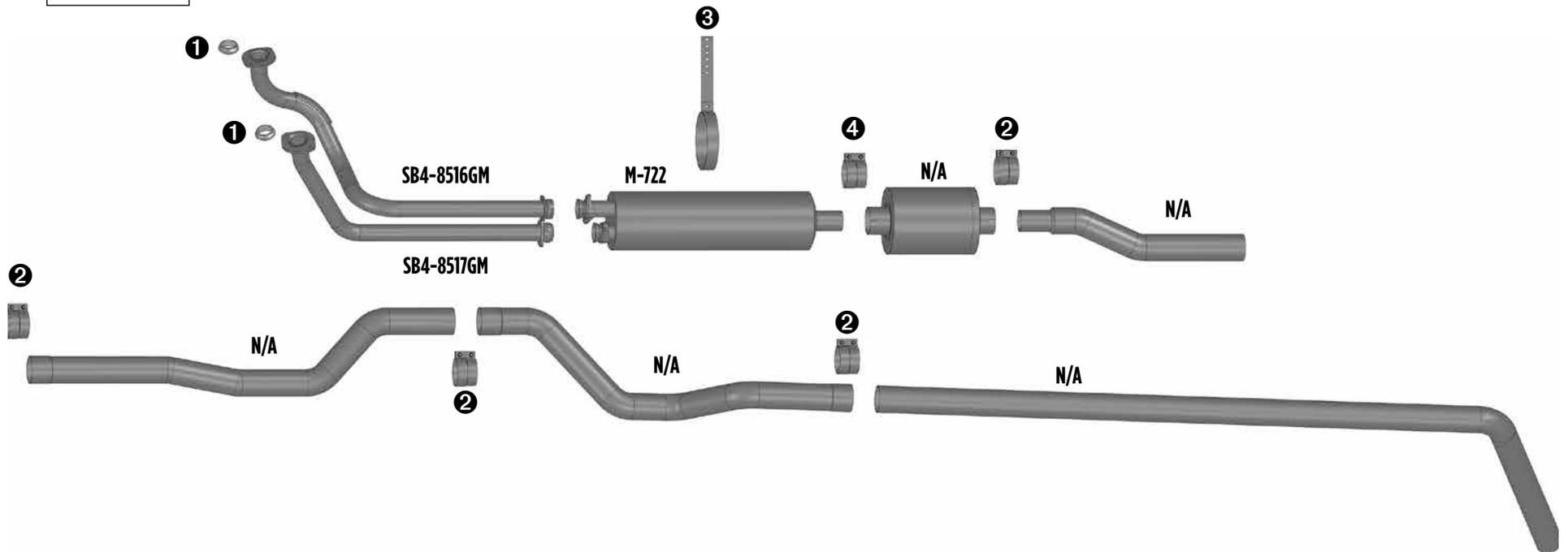


# BLUEBIRD SCHOOL BUS APPLICATIONS

## BB134 - '88 - '91 8 Cyl. All models w/366 C.I.D. Engine w/ Converter; 254", 274" W.B.

### Clamps

- ① GBB-1
- ② WFC-4SS
- ③ RMH-85
- ④ WFC-3SS



## UNIVERSAL NEW PARTS 2013

	GRAND ROCK PART NO.	OE PART NO.	DESCRIPTION	2 PIECE PIPE 2nd PART NEEDED
	SB3-5313BB	0085313	04 TO 09 BLUEBIRD VISION ALL AMERICAN TAILPIPE UNDER BUMPER; 4" ALZ 2-BEND ID/OD (IN LISTING BB103)	
	SB3-9863BB	0099863	06 AND UP ENGINE FORWARD BB ISB02 TURBO PIPE, VISION (IN LISTING BB103)	
	SB5-4174BB	0021071	BLUEBIRD FRONT OVER AXLE PIPE; H.D. EXHAUST; BLUE BIRD	
	SB4-8566BB	1522549	BLUEBIRD FRONT PIPE; H.D. EXHAUST PIPE; BLUEBIRD	

# **CHEVROLET/GMC SCHOOL BUS APPLICATIONS**

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## CH195 - '07 - '10 Chevy/GMC G3500 Tailpipe & Diffuser Tip

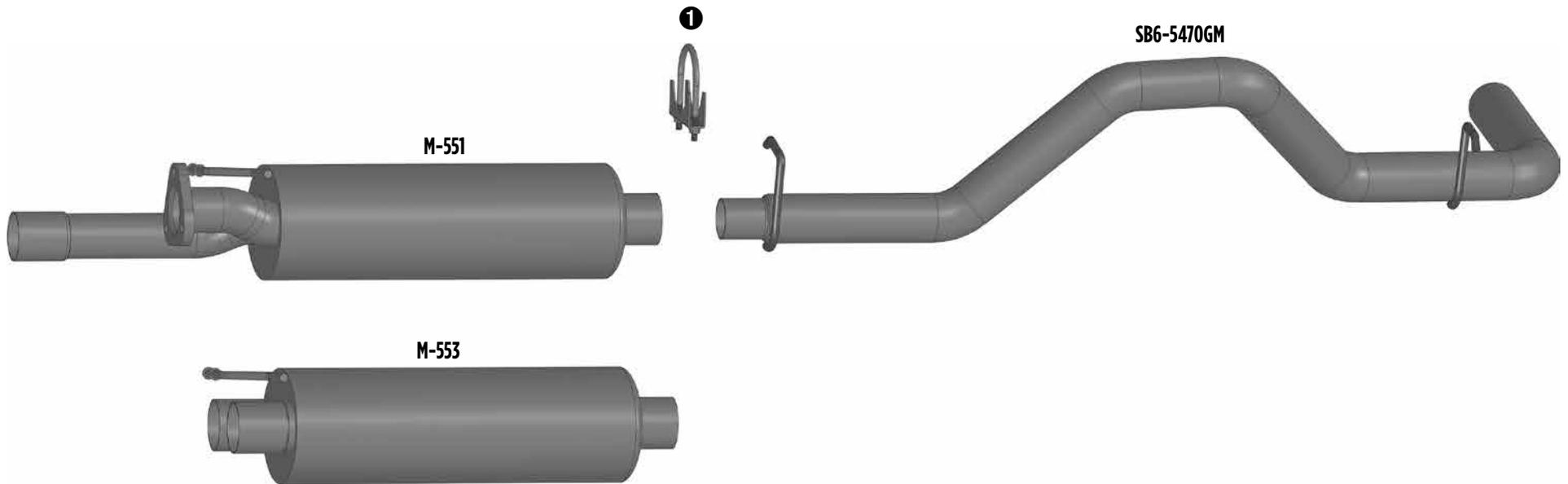


# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

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**CH196 - '03-'06 8 Cyl. Chevy GMC G3500 Van w/ 4.8L or 6.0L Engine 135" - 155" W.B.**

Clamps  
① RB-275ZN

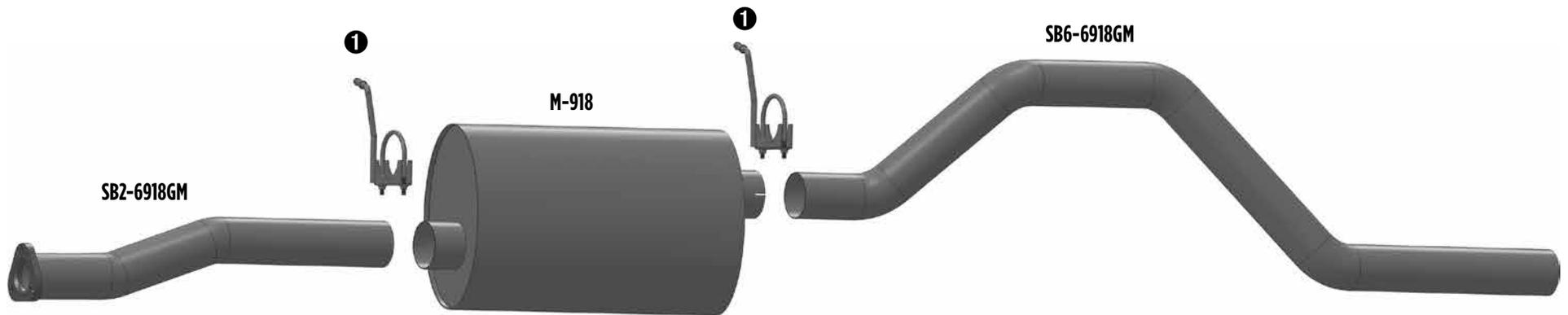


# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

CH197 - '05 - '07 8 Cyl. Chevy/GMC G3500 Van w/ Duramax 6.6L Diesel 135" W.B.

Clamps

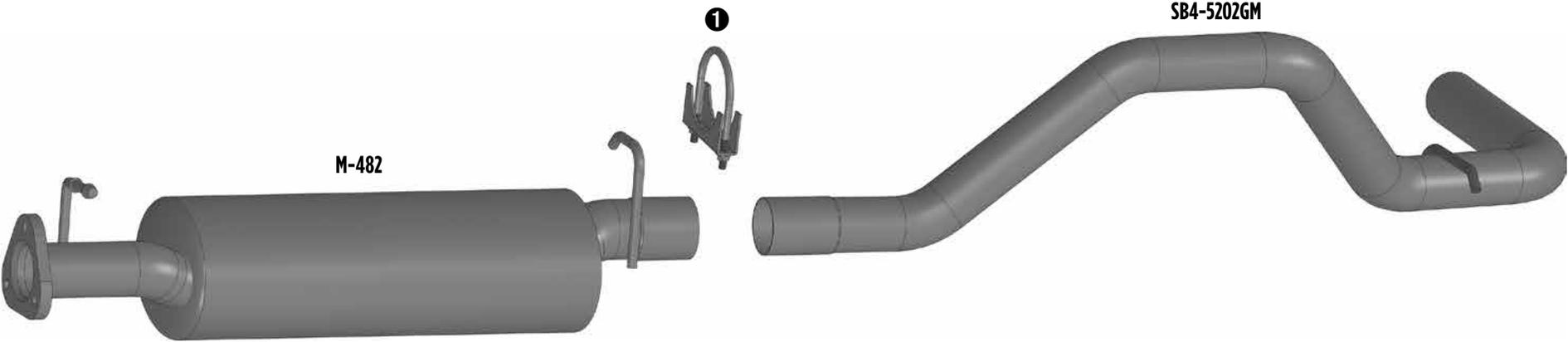
① GM-05FH



# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

CH198 - '98 - '02 8 Cyl. Chevy/GMC 63500 Van w/ 6.5L Diesel 135" W.B.

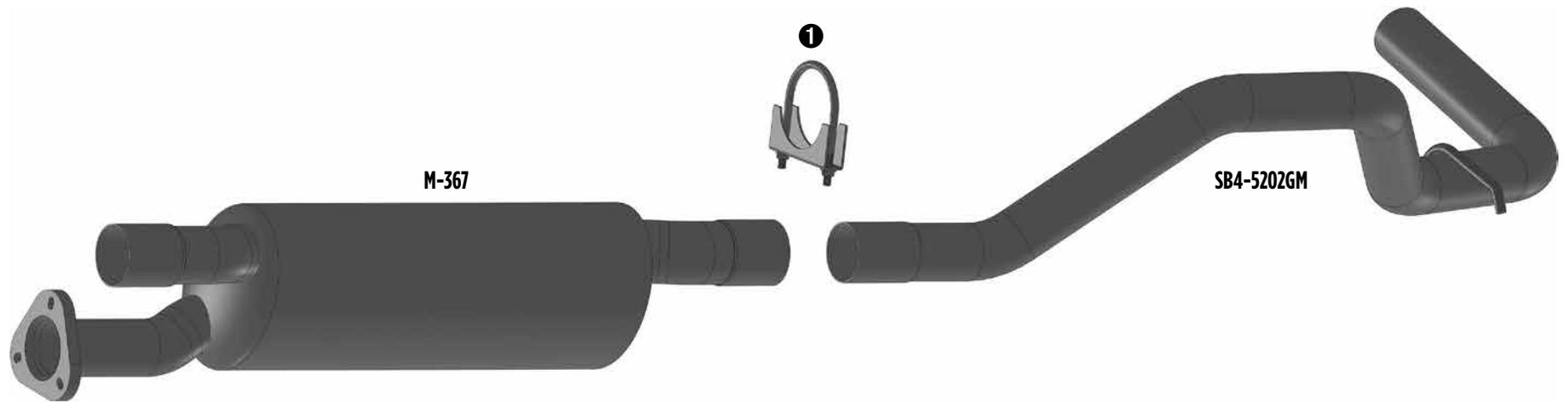
Clamps  
① RB-275ZN



# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

CH199 - '97 - '01 8 Cyl. Chevy GMC G3500 Van w/ 5.7L Eng. 135" W.B.

Clamps  
① RB-275ZN

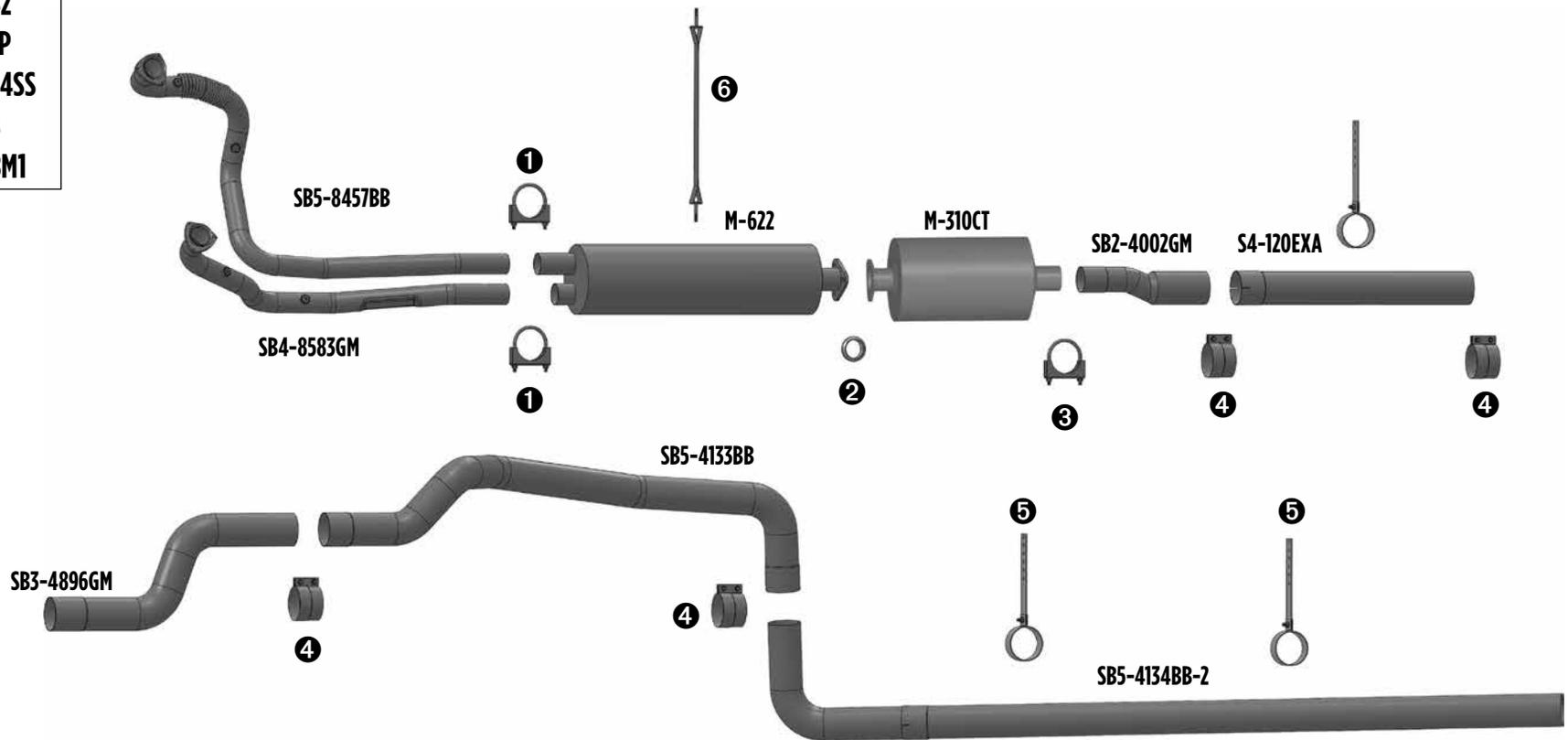


# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

## CH200 - '98 - '02 8 Cyl. CV200 GMC B7 Conventional Chassis w/ 454-502 Engine

### Clamps

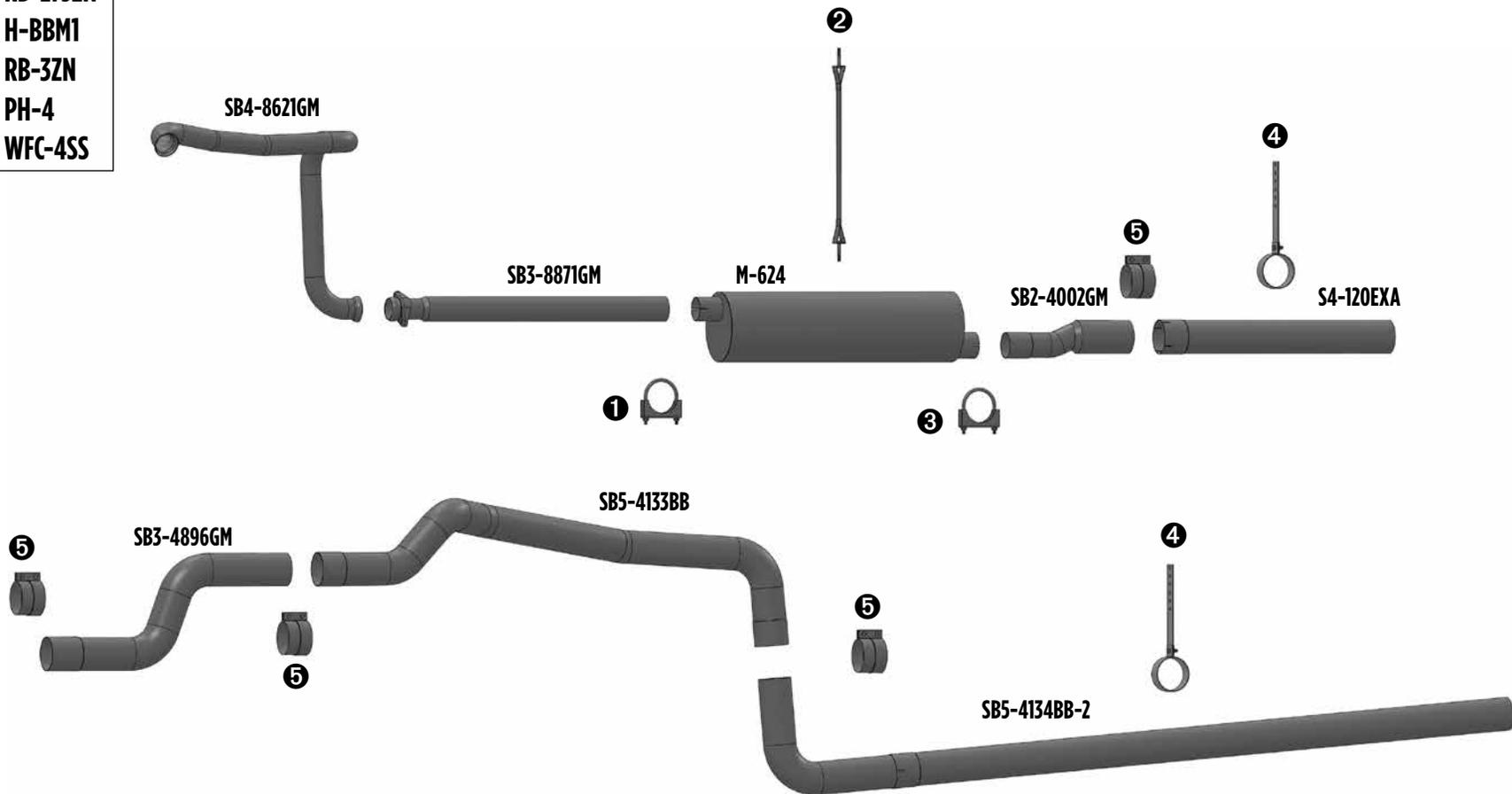
- ① RB-25ZN
- ② G-BB2
- ③ R0-3P
- ④ WFC-4SS
- ⑤ PH-4
- ⑥ H-BBM1



## CH201 - '97 - '02 8 Cyl. GMC Kodiak Topkick Chassis w/ 6.5L Turbo Diesel Engine

### Clamps

- ❶ RB-275ZN
- ❷ H-BBM1
- ❸ RB-3ZN
- ❹ PH-4
- ❺ WFC-4SS

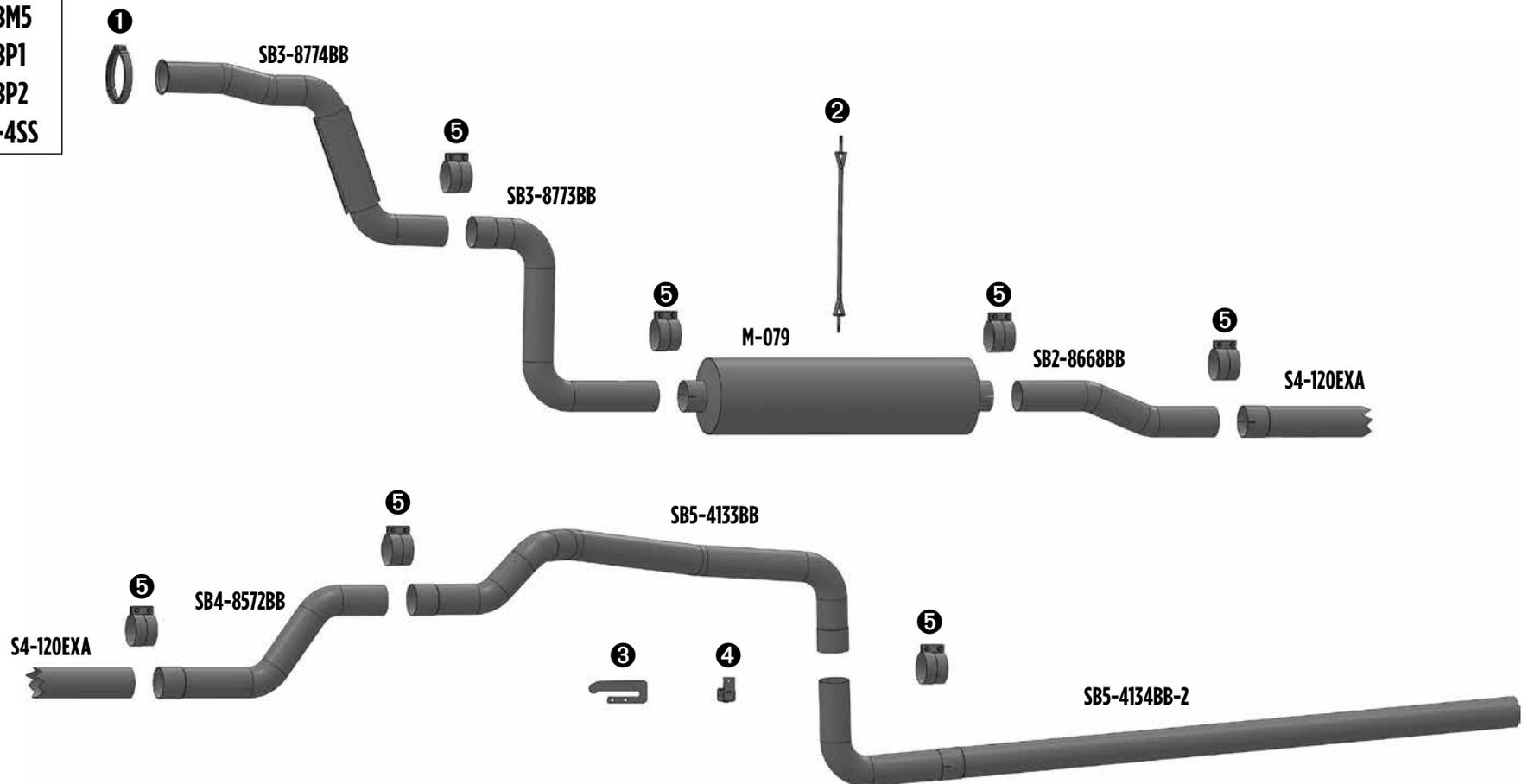


# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

## CH202 - '98 - '01 6 Cyl. 3126 Cat., CV200; GMC B7 Conventional Chassis

### Clamps

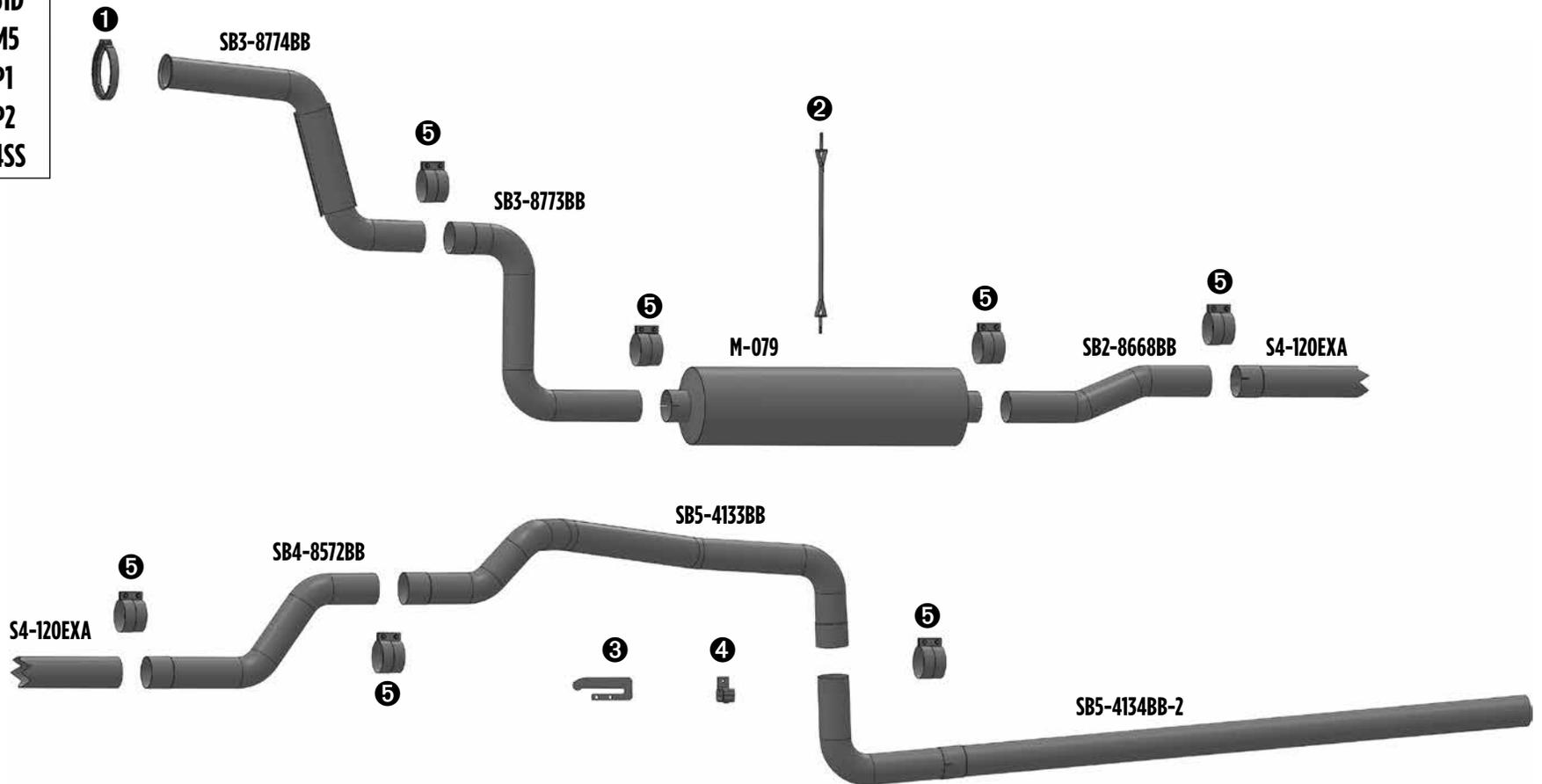
- ❶ VB-461D
- ❷ H-BBM5
- ❸ H-BBP1
- ❹ H-BBP2
- ❺ WFC-4SS



## CH203 - '94 - '98 6 Cyl. 3116 Cat., CV200; GMC B7 Conventional Chassis

### Clamps

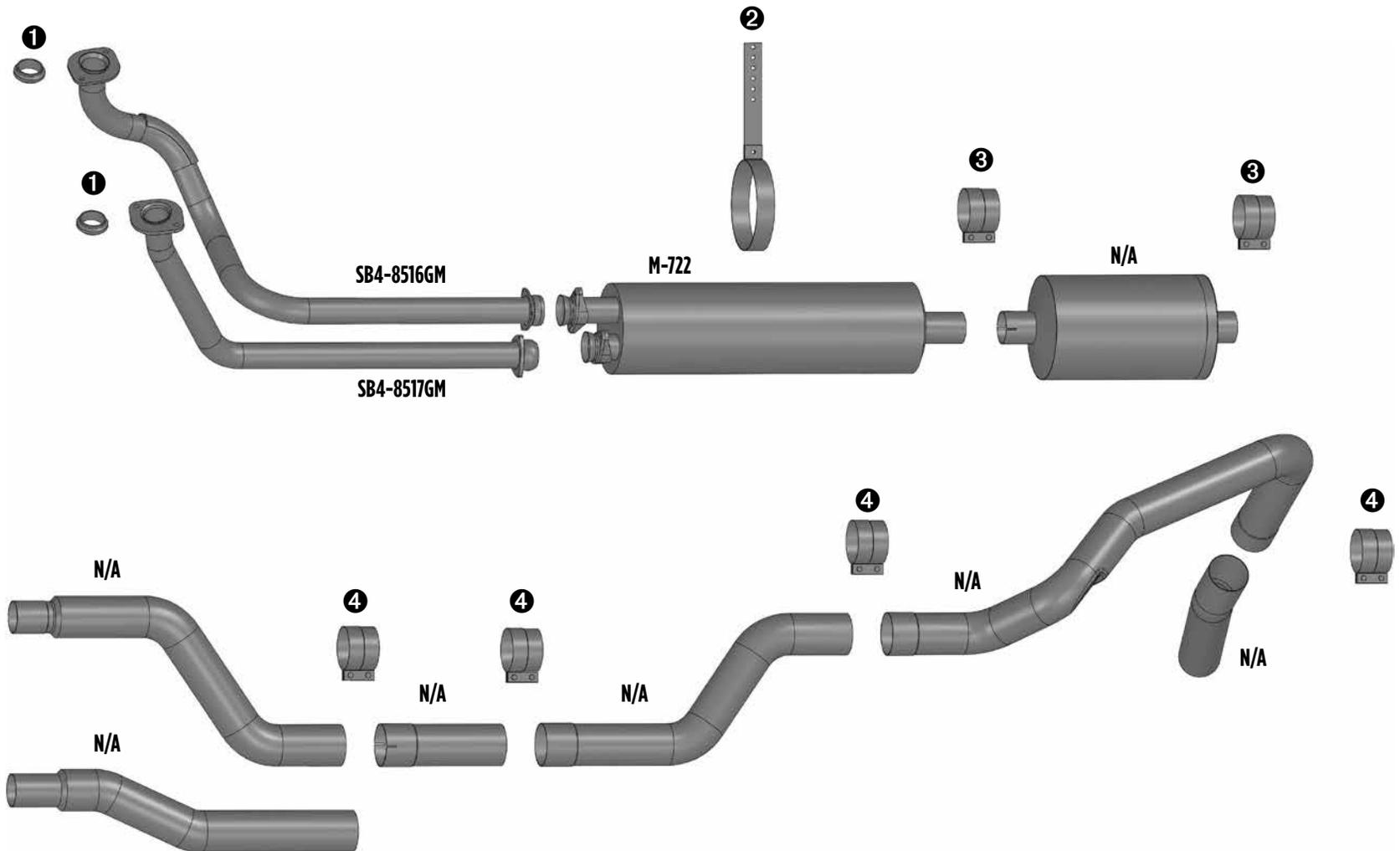
- ① VB-461D
- ② H-BBM5
- ③ H-BBP1
- ④ H-BBP2
- ⑤ WFC-4SS



# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

**CH204 - '92 - '95 8 Cyl. B7; 366, 427 (6.0, 7.0) TBI Eng.; With Converter; Tail Pipe Exits Side of Bus Behind Rear Wheel; 145" , 209" & 261" W.B.**

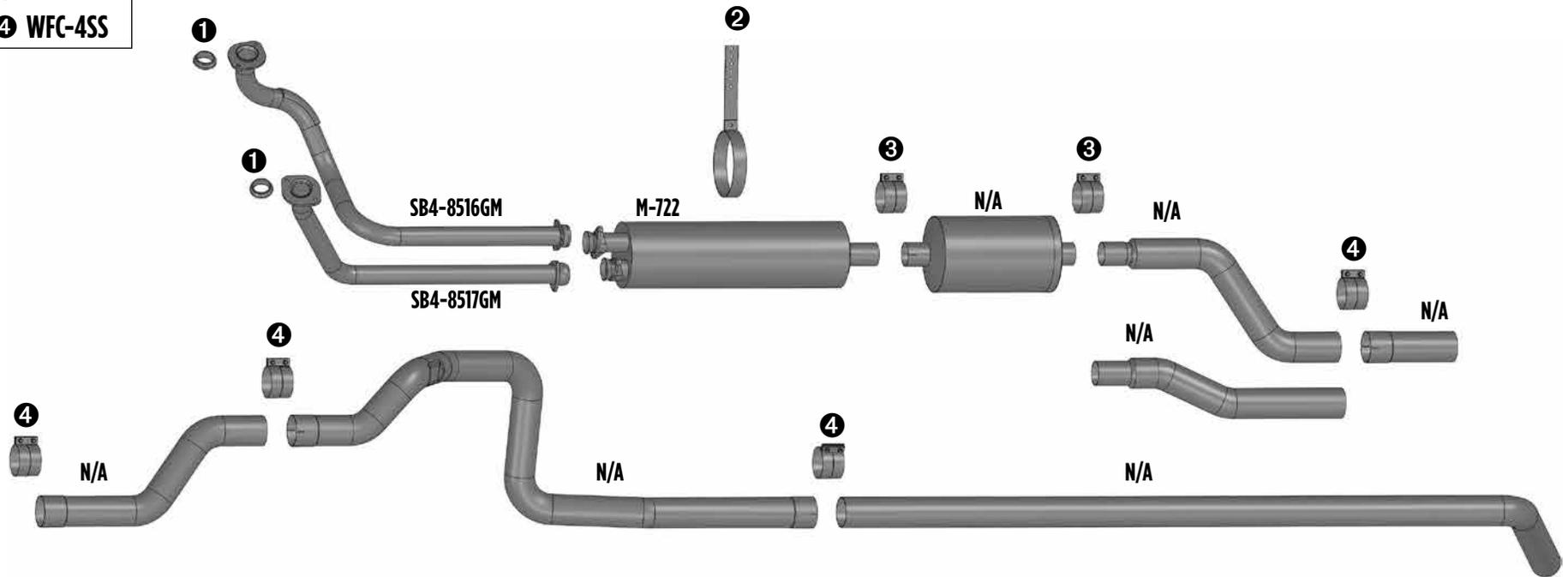
- Clamps**
- ① G-BB1
  - ② RMH-85
  - ③ WFC-3SS
  - ④ WFC-4SS



# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

**CH205 - '92 - '95 8 Cyl. B7; 366, 427 (6.0, 7.0) TBI Eng.; With Converter; Tail Pipe Exits Side of Bus in Front of Rear Wheel; 145", 209" & 261" W.B.**

- Clamps**
- ① G-BB1
  - ② RMH-85
  - ③ WFC-3SS
  - ④ WFC-4SS

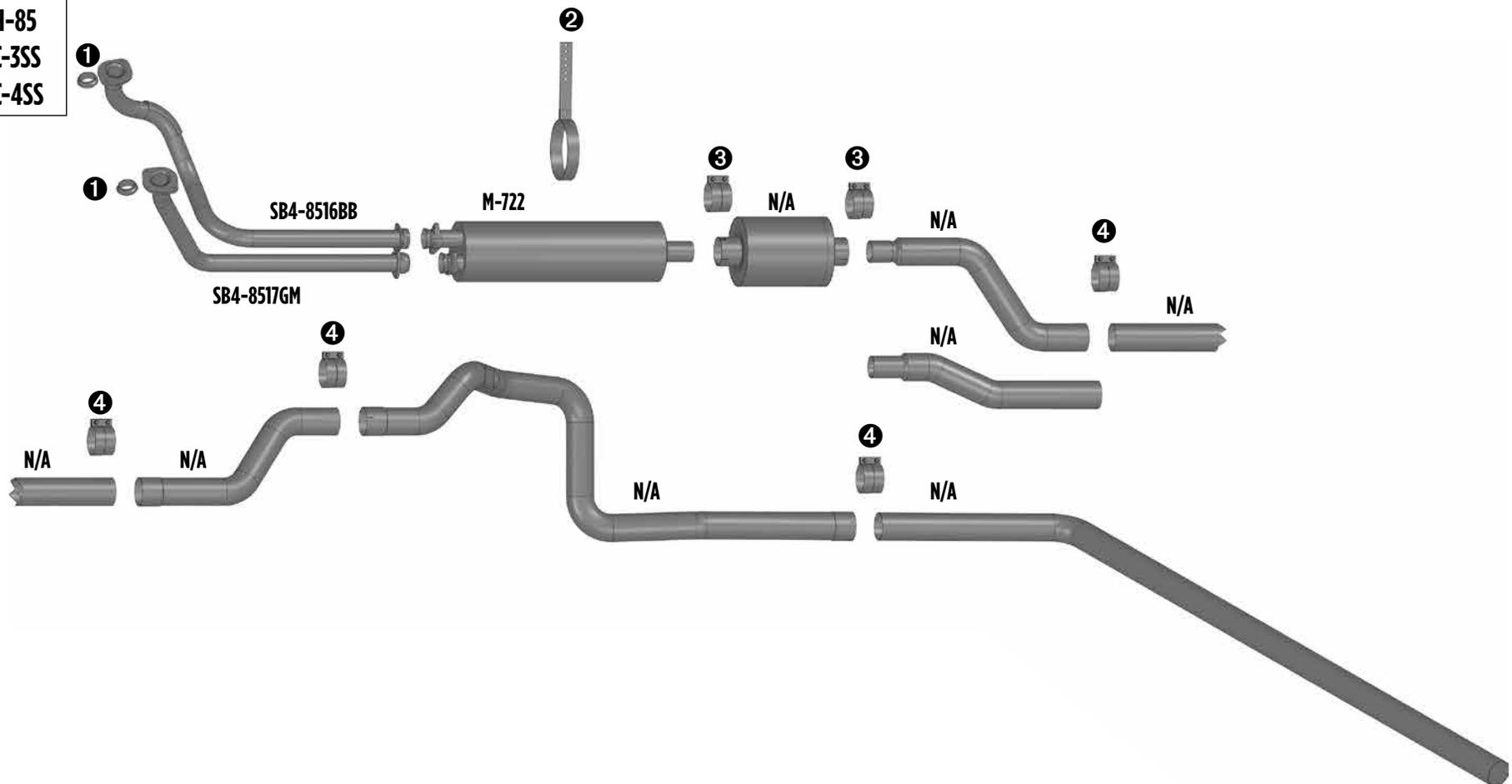


# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

**CH206 - '92 - '95 8 Cyl. B7; 366, 427 (6.0, 7.0) TBI Eng.; With Converter; All W.B.; Tail Pipe Exits at Rear of Bus; 145", 209" & 261" W.B.**

**Clamps**

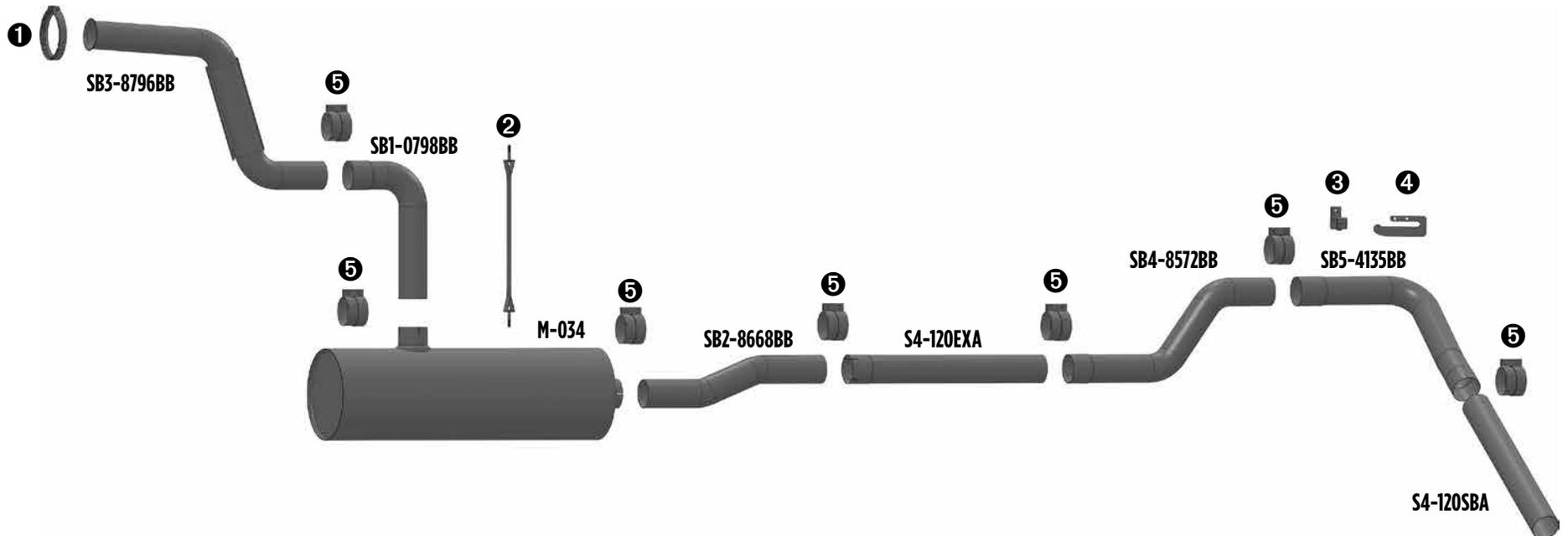
- ① G-BB1
- ② RMH-85
- ③ WFC-3SS
- ④ WFC-4SS



## CH207 - '92 - '95 6 Cyl. GMC 3116 Caterpillar Engine

### Clamps

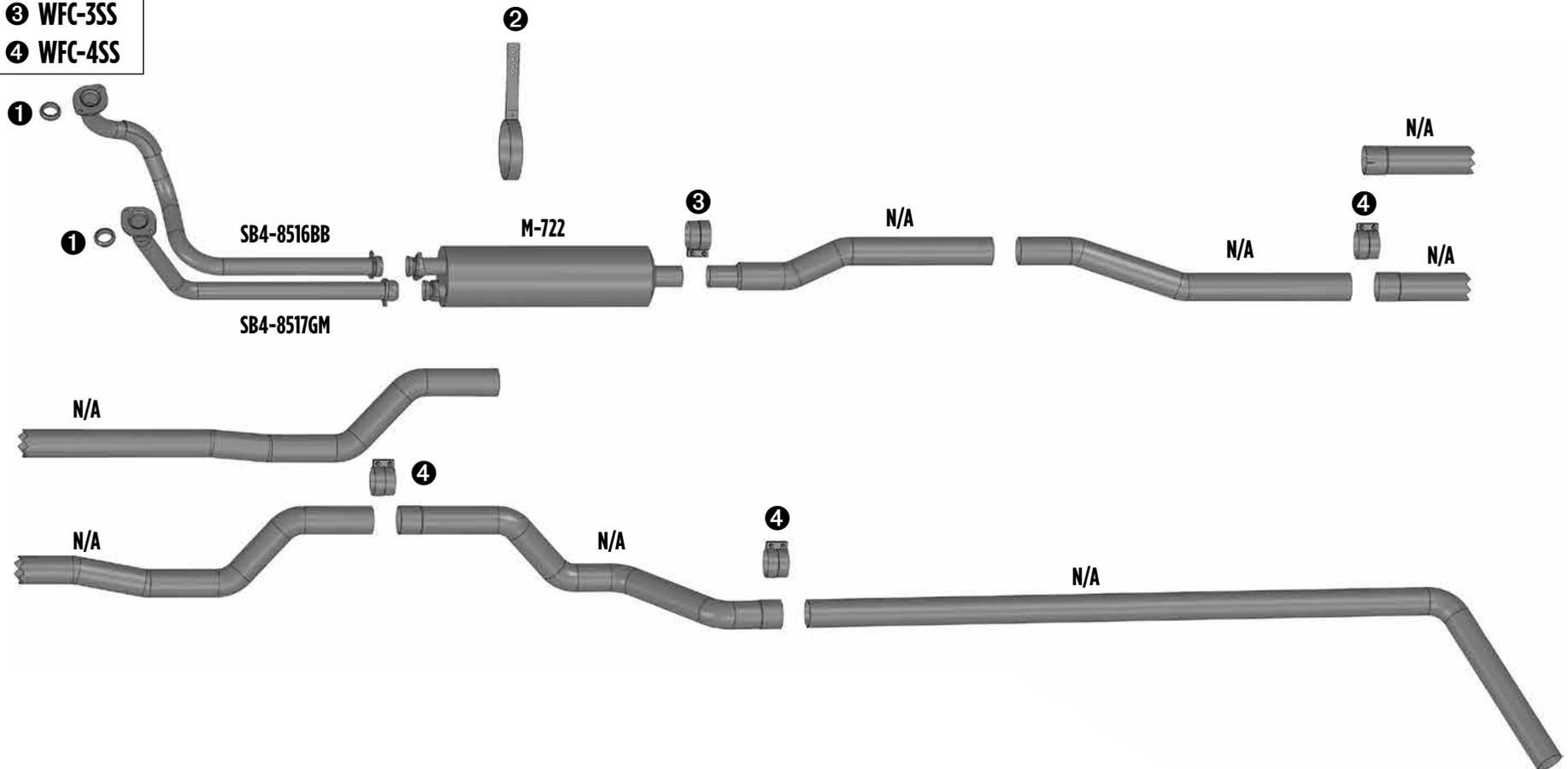
- ❶ VB-461D
- ❷ H-BBM1
- ❸ H-BBP2
- ❹ H-BBP1
- ❺ WFC-4SS



# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

## CH208 - '85 - '91 8 Cyl. High Temperature Exhaust System B6P042; 366 TBI Engine; 254", 274" W.B.

- Clamps**
- ❶ G-BB1
  - ❷ RMH-85
  - ❸ WFC-3SS
  - ❹ WFC-4SS

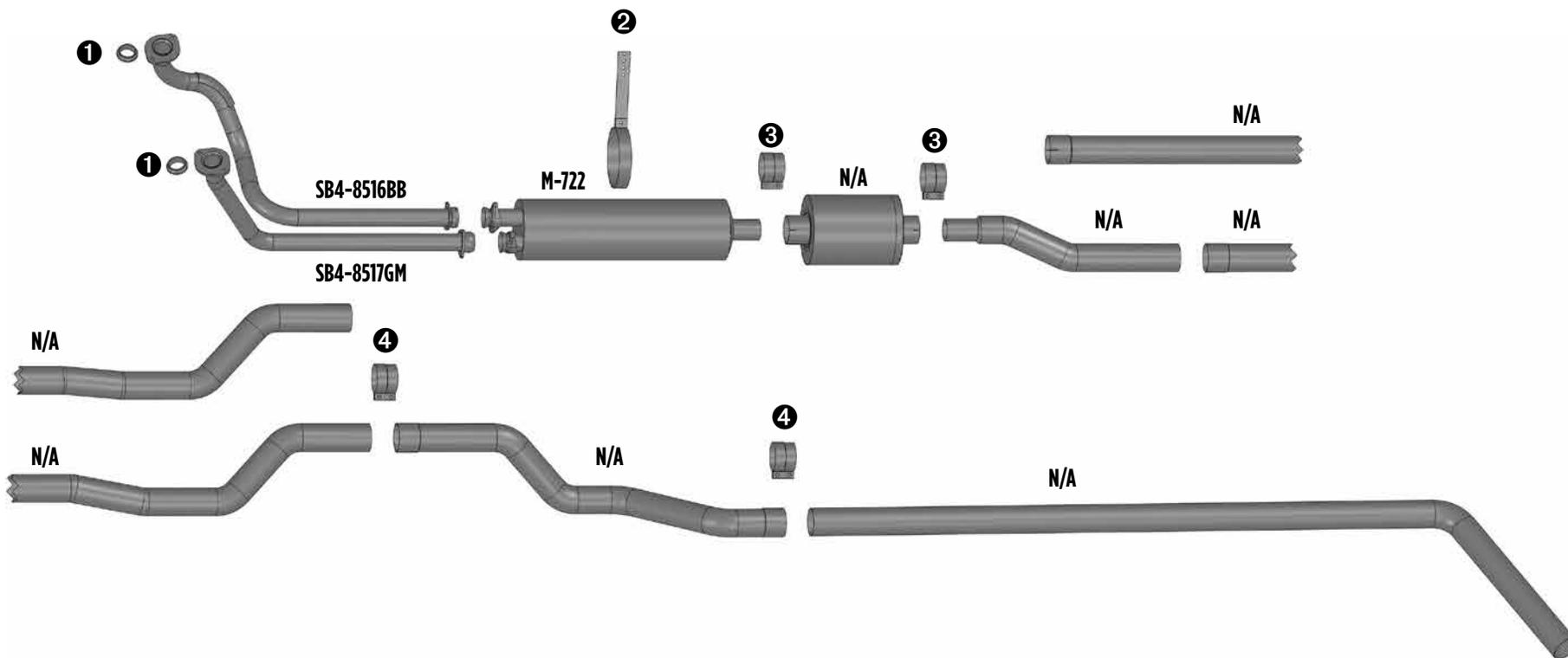


# CHEVROLET/GMC SCHOOL BUS APPLICATIONS

CH211 - '89 - '91 8 Cyl. All models w/366 C.I.D. Engine w/ Converter; 254", 274" W.B.

## Clamps

- ❶ G-BB1
- ❷ RMH-85
- ❸ WFC-3SS
- ❹ WFC-4SS



# **FORD SCHOOL BUS APPLICATIONS**

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**FD298 - '99 - '03 8 Cyl. E-350 Ford w/ 7.3L Diesel after 12-7-1998 138" - 176" W.B.**



**SB2-2389FT**



**M-1542**



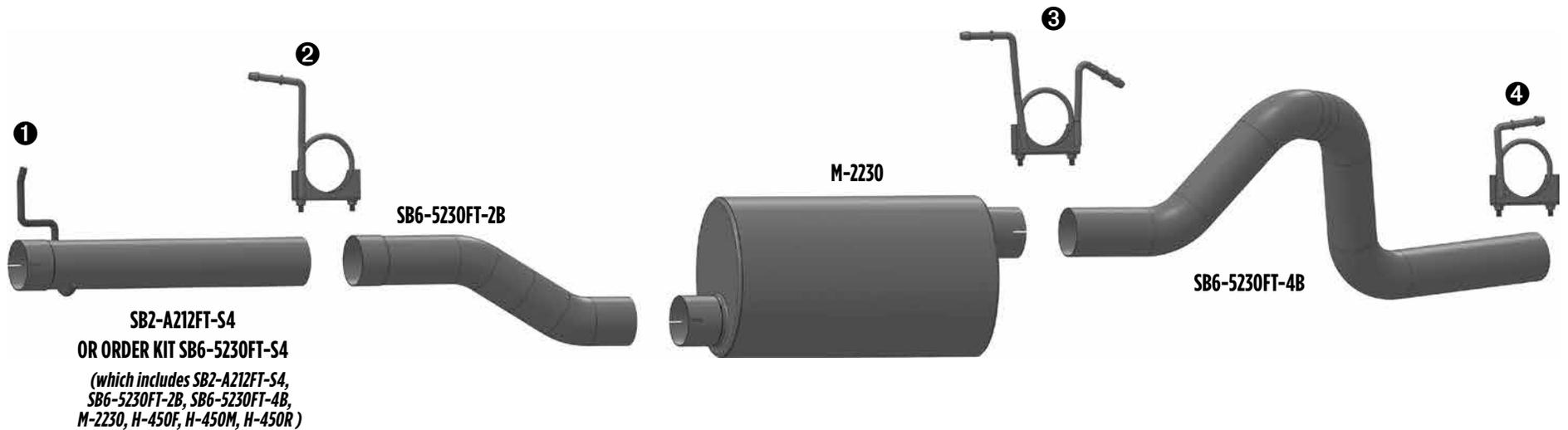
**SB4-5462FT**

# FORD SCHOOL BUS APPLICATIONS

## FD299 - '04 - '06 8 Cyl. Ford E-450 Van 6.0L 158" - 176" W.B.

### Clamps

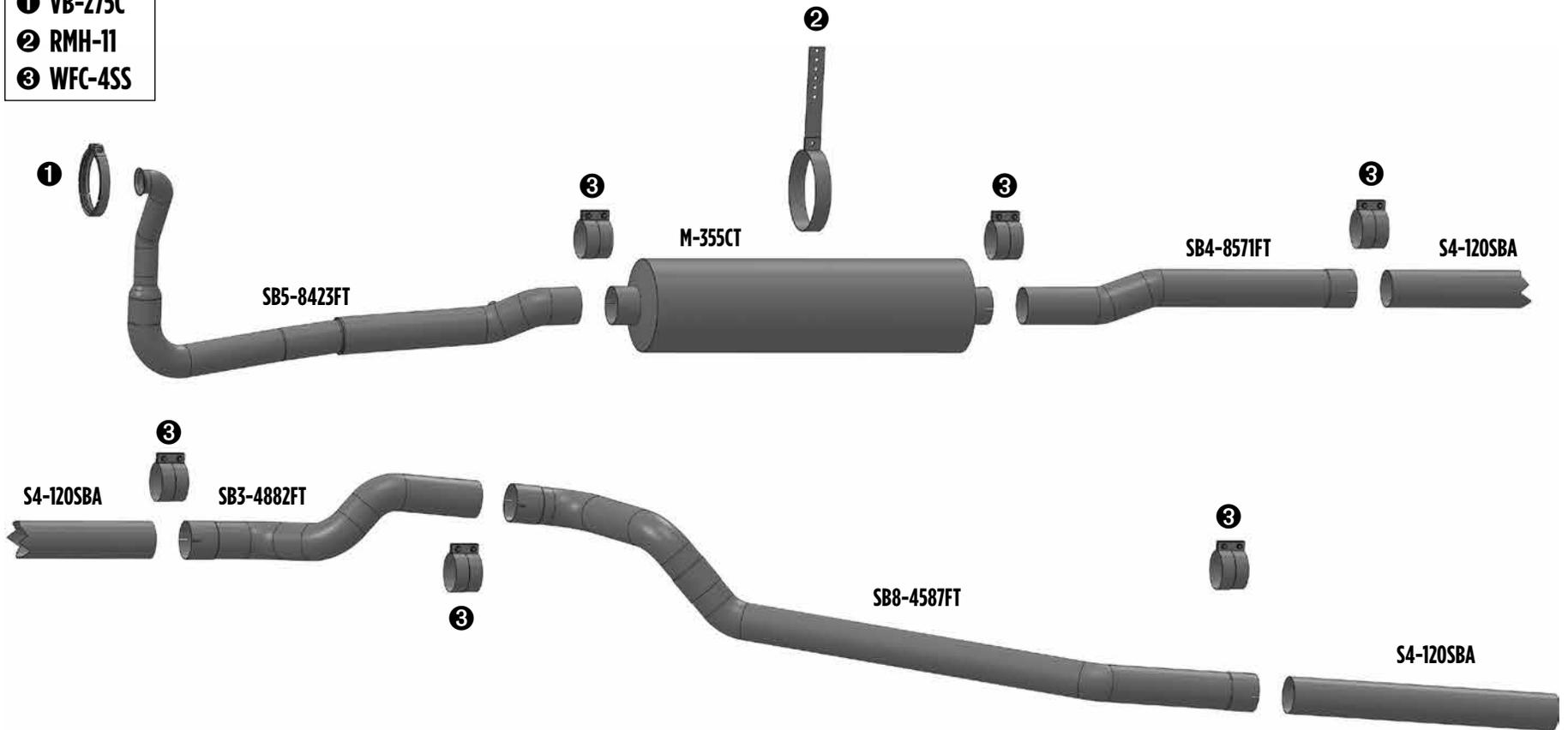
- ❶ SB2-A212FT-HGR
- ❷ H-450F
- ❸ H-450M
- ❹ H-450R



## FD300 - '95 - '98 6 Cyl. B800, FD1060 w/ 5.9L Cummins Diesel; w/ Converter; Air Suspension; 151"-275" W.B.

### Clamps

- ① VB-275C
- ② RMH-11
- ③ WFC-4SS

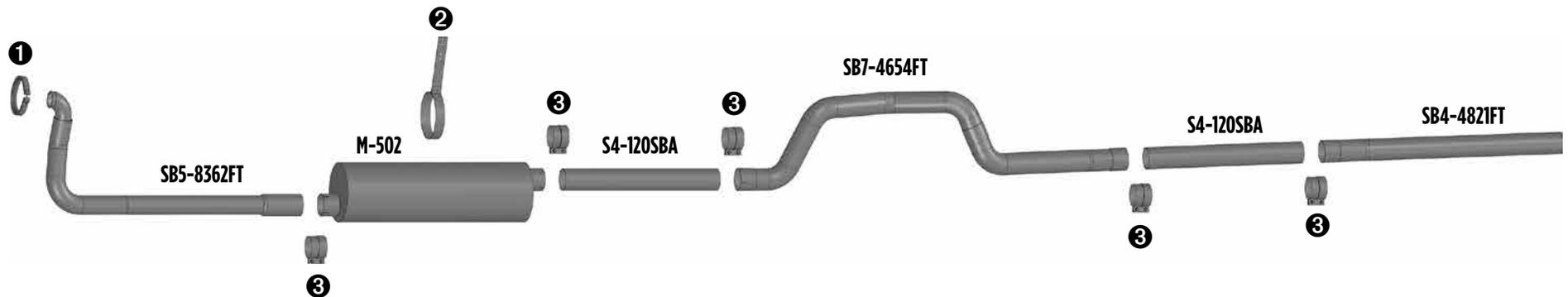


# FORD SCHOOL BUS APPLICATIONS

**FD301 - '92 - '98 6 Cyl. B600, B700, FD1060 Diesel Eng.; 5.9L; 216" W.B. and Shorter; 237" W.B. and Longer**

## Clamps

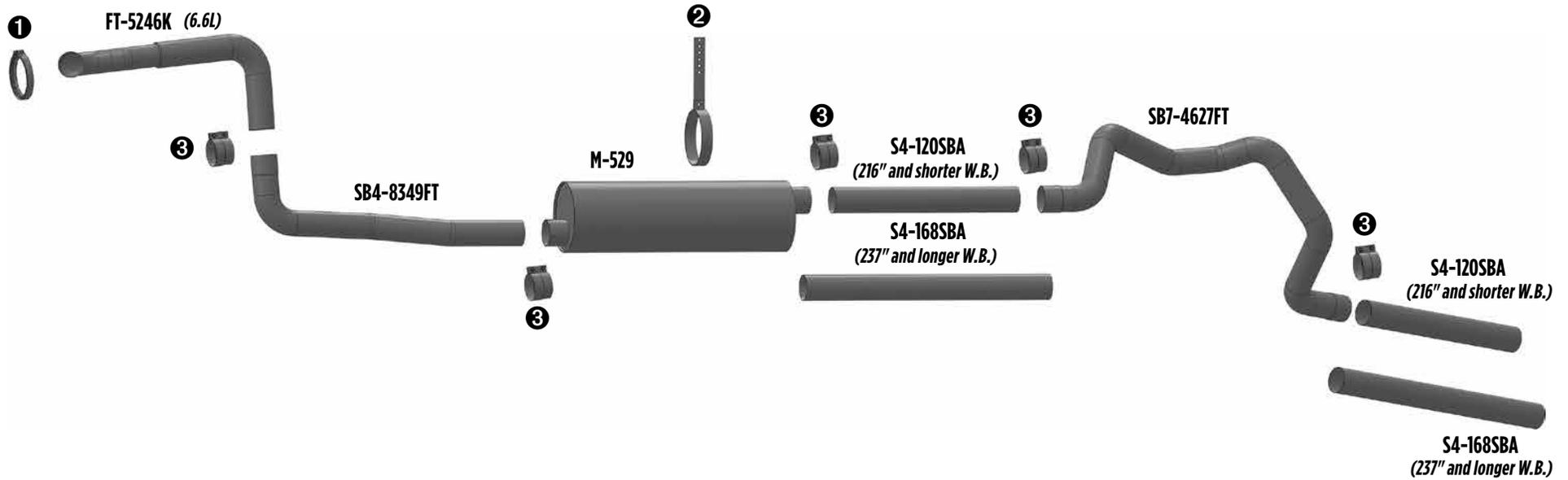
- ❶ VB-321C
- ❷ RMH-11
- ❸ WFC-4SS



## FD302 - '87 - '94 6 Cyl. B600, B700; 6.6L + 7.8L Diesel Eng.; Models Built Before 11-93

### Clamps

- ① VB-321C
- ② RMH-11
- ③ WFC-4SS



# **FREIGHTLINER SCHOOL BUS APPLICATIONS**

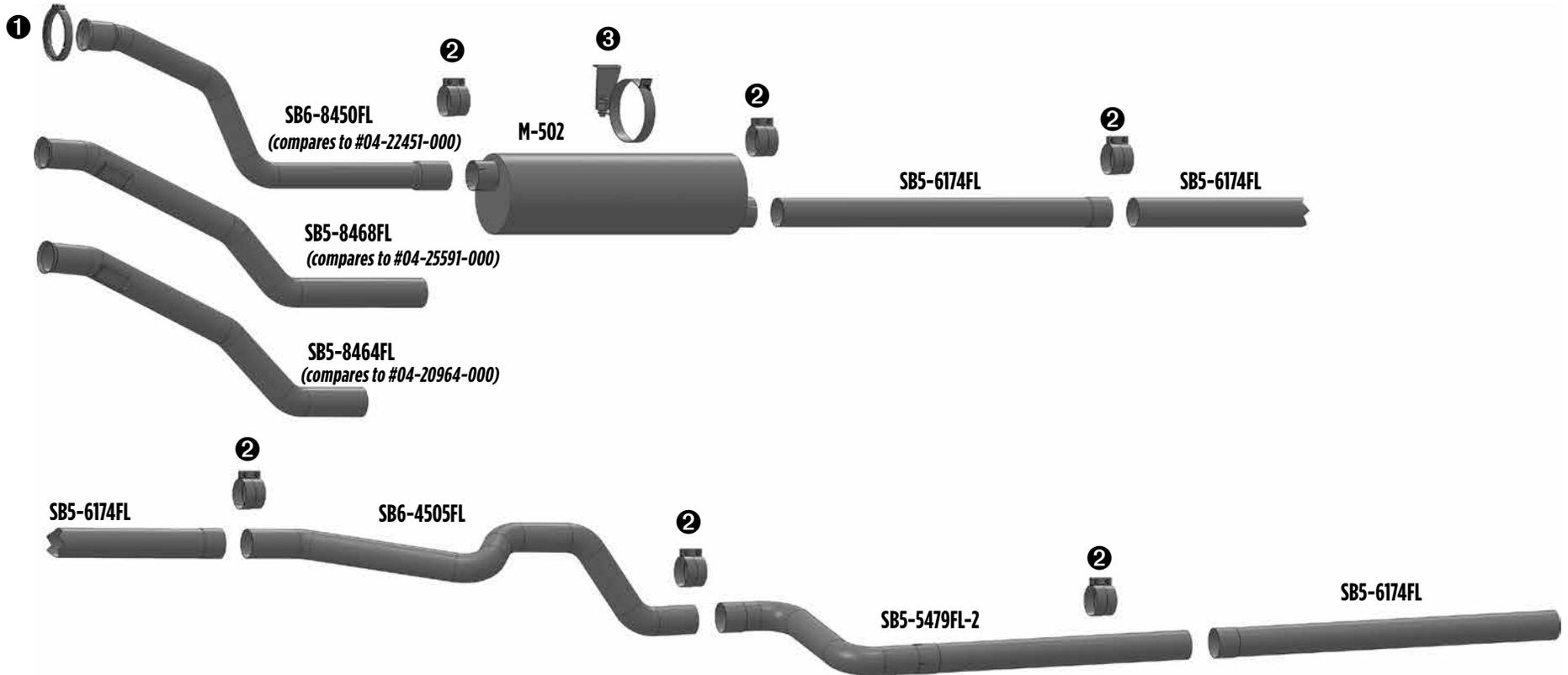
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## FL399 - '02-'03 6 Cyl. FS65 Model w/ 900 Mercedes Diesel, Air Suspension

### Clamps

- ① VB-460MB
- ② WFC-4SS
- ③ H-FLM1

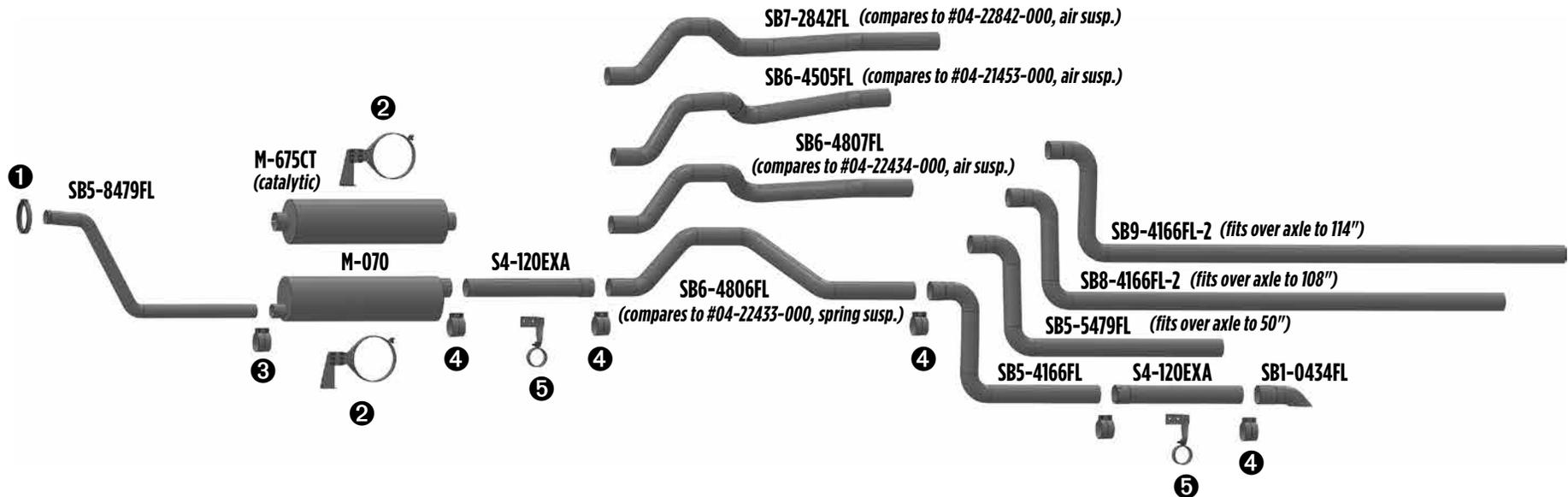




## FL402 - '02 - '04 6 Cyl. B-Series Cummins Engine w/ World Trans

### Clamps

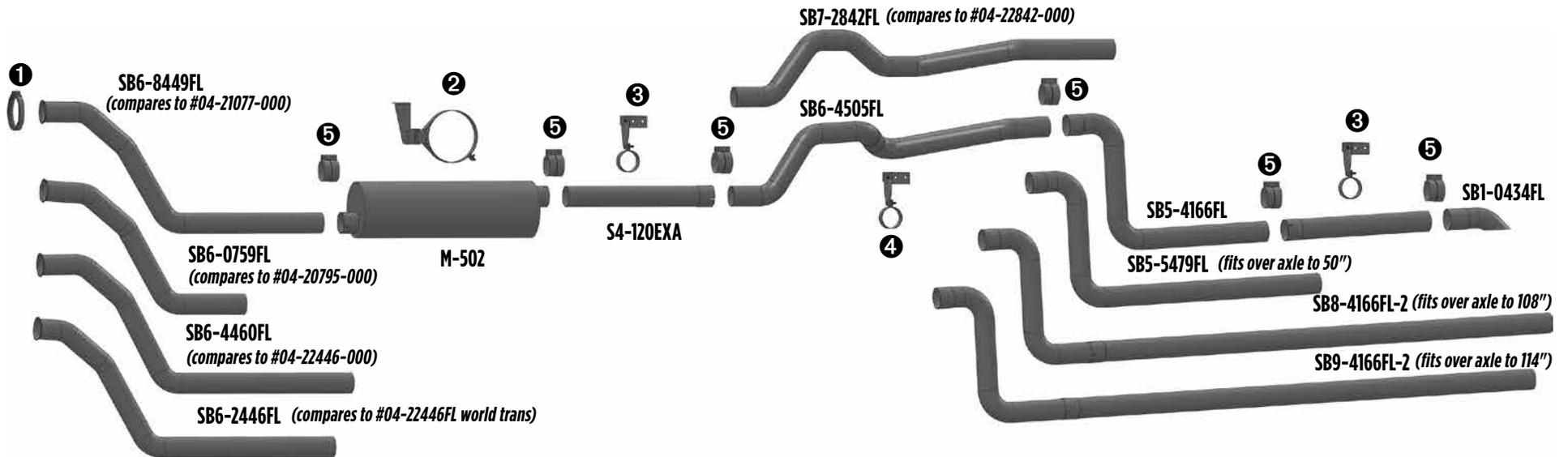
- ① VB-321C
- ② H-FLM1
- ③ WFC-3SS
- ④ WFC-4SS
- ⑤ H-FLP3



## FL403 - '02 - '04 6 Cyl. w/ 3126 Caterpillar Engine Air Suspension

### Clamps

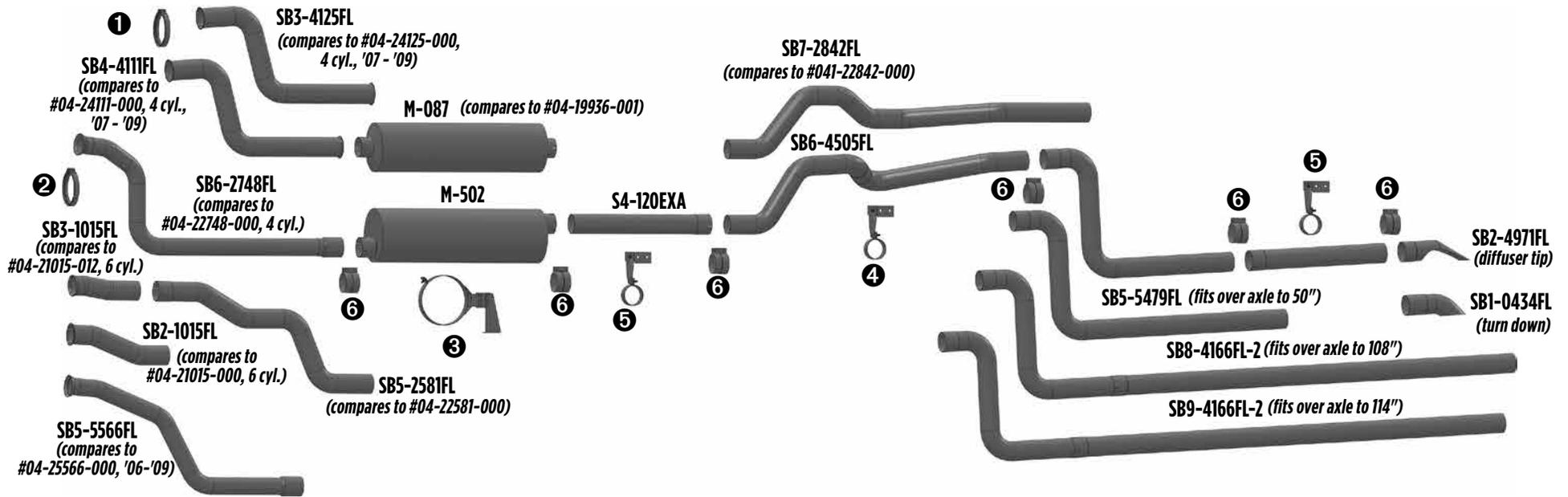
- ① VB-475C
- ② H-FLM1
- ③ H-FLP3
- ④ H-FLP1
- ⑤ WFC-4SS



## FL404 - '05 - '09 4-6 Cyl. Mercedes Engine Air Suspension EXC DPF Systems

### Clamps

- ❶ VB-390MB
- ❷ VB-460MB
- ❸ H-FLM1
- ❹ H-FLP1
- ❺ H-FLP3
- ❻ WFC-4SS

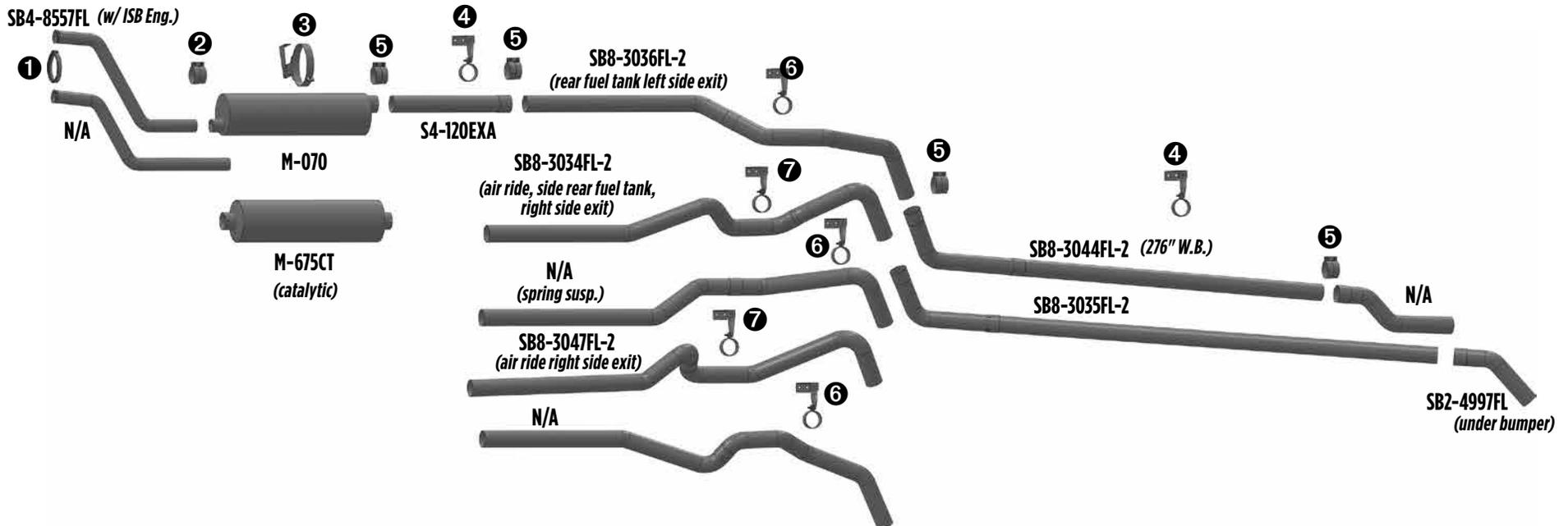


# FREIGHTLINER SCHOOL BUS APPLICATIONS

## FL405 - '98 - '01 6 Cyl. B Series Cummins Engine

### Clamps

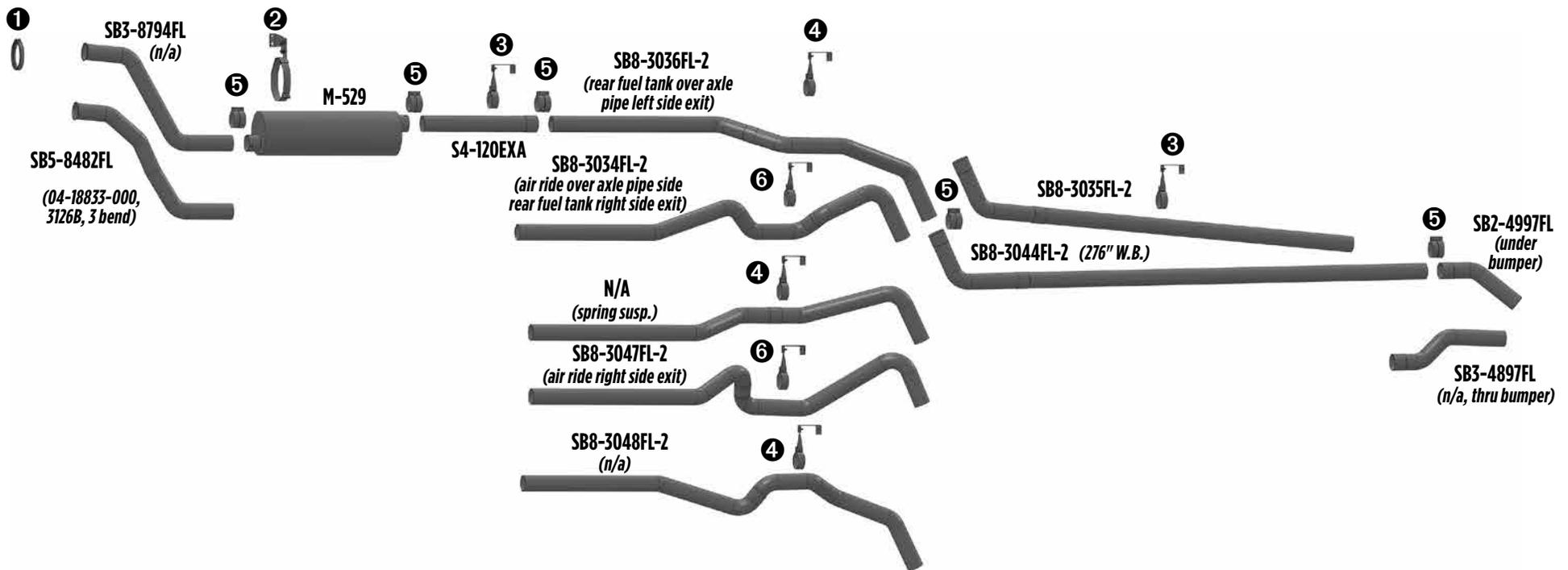
- ① VB-321C
- ② WFC-3SS
- ③ H-FLM1
- ④ H-FLP3
- ⑤ WFC-4SS
- ⑥ H-FLP4
- ⑦ H-FLP5



## FL406 - '98 - '01 6 Cyl. 3126 Caterpillar Engine

### Clamps

- ① VB-461D
- ② H-FLM1
- ③ H-FLP3
- ④ H-FLP4
- ⑤ WFC-4SS
- ⑥ H-FLP5



## UNIVERSAL NEW PARTS 2013

	GRAND ROCK PART NO.	OE PART NO.	DESCRIPTION	2 PIECE PIPE 2nd PART NEEDED
	SB11-2438FL	04-22438-005	S4-130EXA	
	SB2-5375FL		FL/IH MUFFLER OFFSET PIPE 3126 CAT MUFFLER	
	SB3-0537FL	04-20537-000	98 AND UP FREIGHTLINER TAILPIPE EXTENSION; 4" ALZ 2 BEND OD/ID	
	SB5-1454FL	04-21454-000	02-UP FREIGHTLINER OVERAXLE SPRING SUSPENSION; 4" ALZ 4 BEND PIPE OD/OD	
	SB7-2843FL	04-22843-000	02 AND UP FREIGHTLINER REAR OVERAXLE SPRING SUSPENSION; 4" ALZ 4 BEND PIPE OD/OD	



# **GENESIS SCHOOL BUS APPLICATIONS**

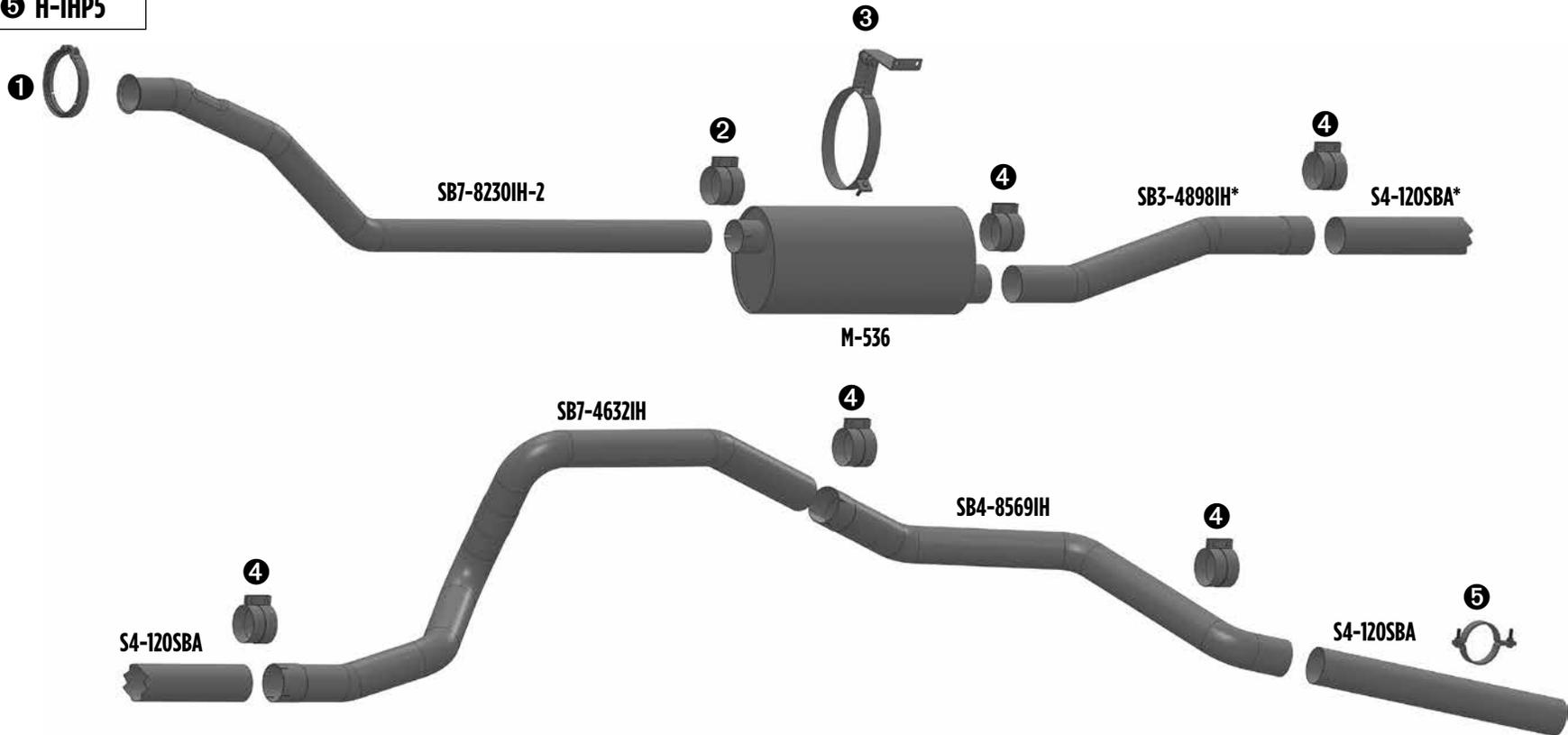
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## GS500 - '94 - '04 6 Cyl. Model 3900 Front Engine Chassis w/ DT466 Diesel, RH Tailpipe w/ Air Suspension, 152" - 276" W.B.

### Clamps

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

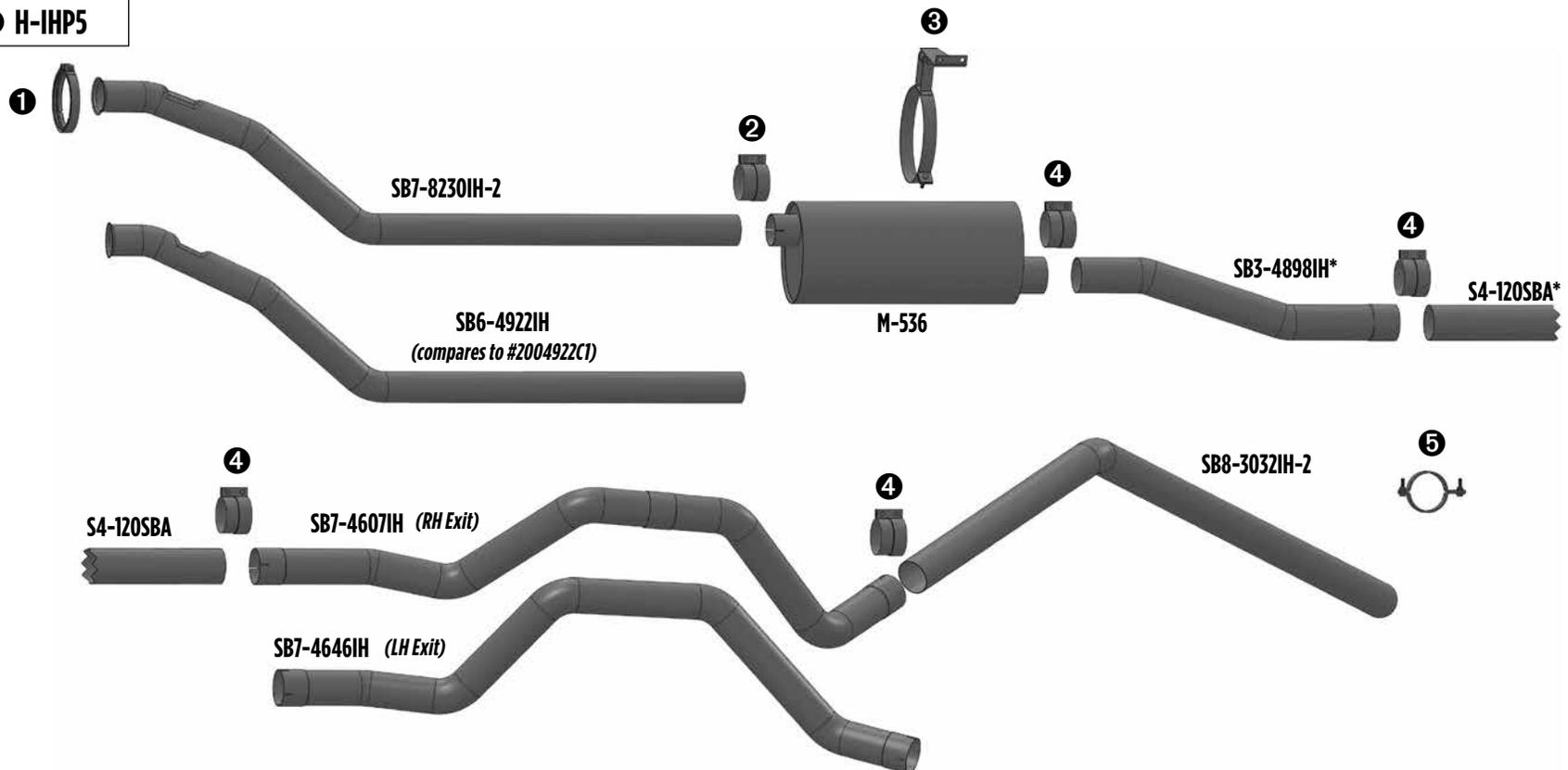


# GENESIS SCHOOL BUS APPLICATIONS

## GS501 - '94 - '04 6 Cyl. Model 3900 Front Engine Chassis w/ DT466 NGD Diesel, w/o Air Suspension, 152" - 276" W.B.

### Clamps

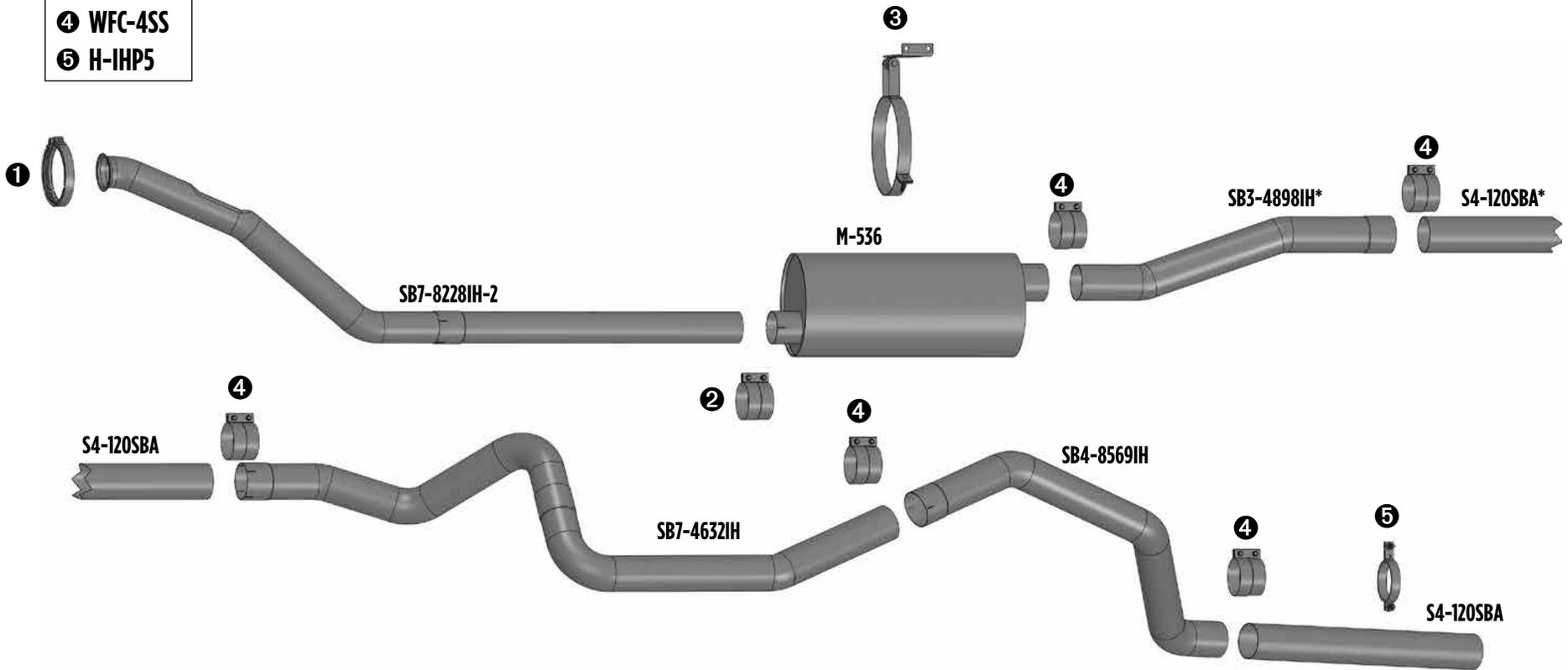
- ❶ VB-351I
- ❷ WFC-35SS
- ❸ H-IHM6
- ❹ WFC-4SS
- ❺ H-IHP5



## GS502 - '92 - '94 6 Cyl. Model 3900 Front Engine Chassis w/ DT360 Diesel, RH Tailpipe w/ Air Suspension, 152" - 276" W.B.

### Clamps

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5



# **INTERNATIONAL SCHOOL BUS APPLICATIONS**

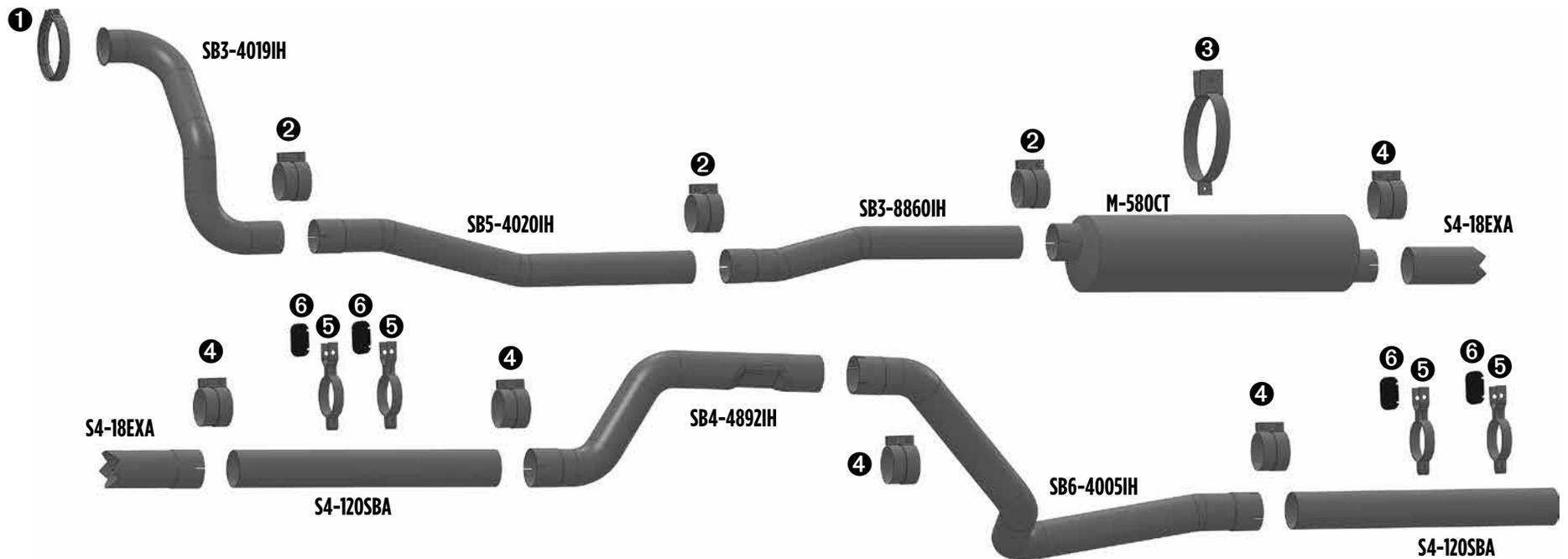
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**GRAND  
ROCK**

## INT600 - '07 - '08 6 Cyl. FE International DT-466 Engine, Right Side Exit Max Force DT

### Clamps

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM4
- ④ WFC-4SS
- ⑤ H-IHP3
- ⑥ H-IHP1

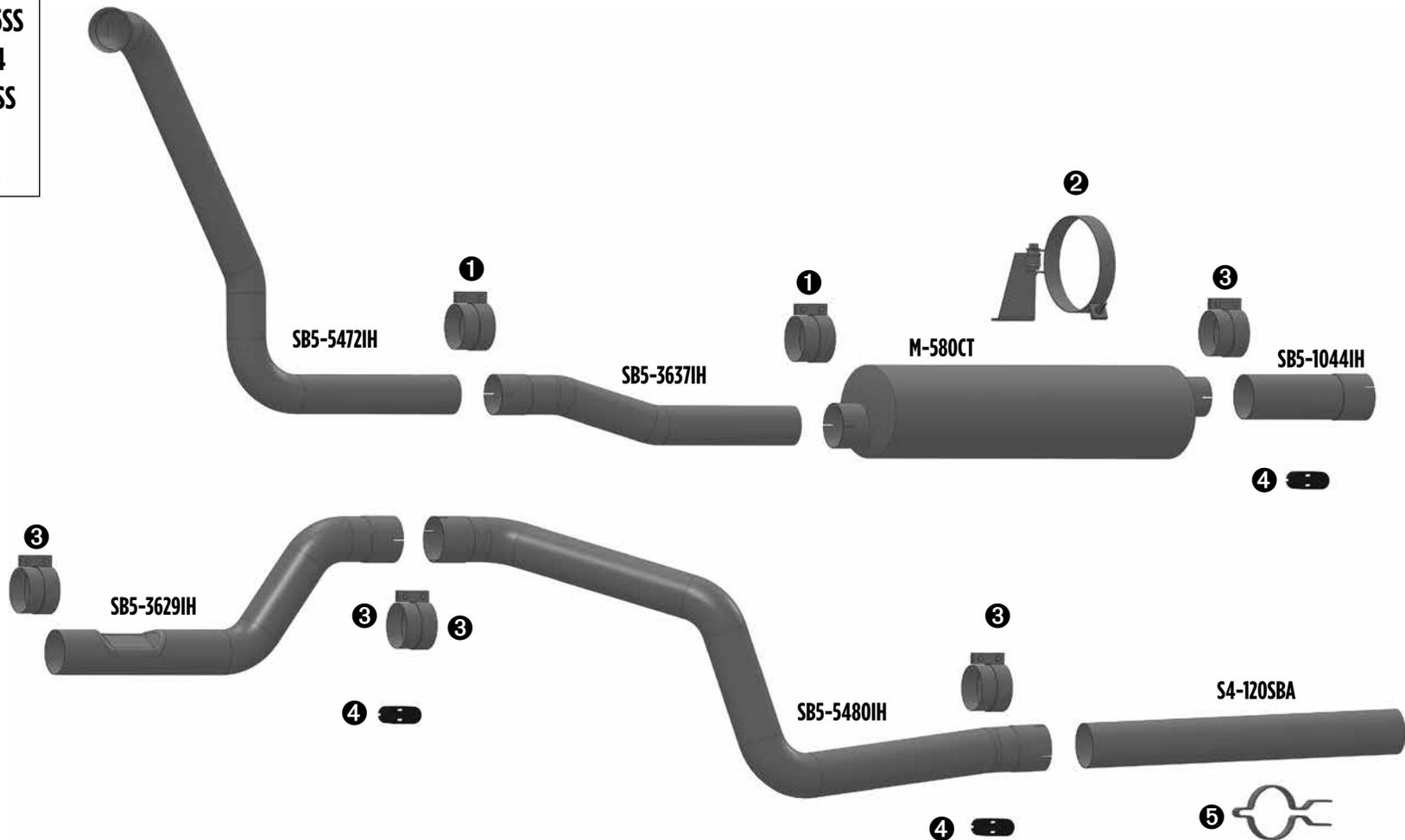


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT601 - '04 - '05 8 Cyl. Model IC w/VT365 Diesel

### Clamps

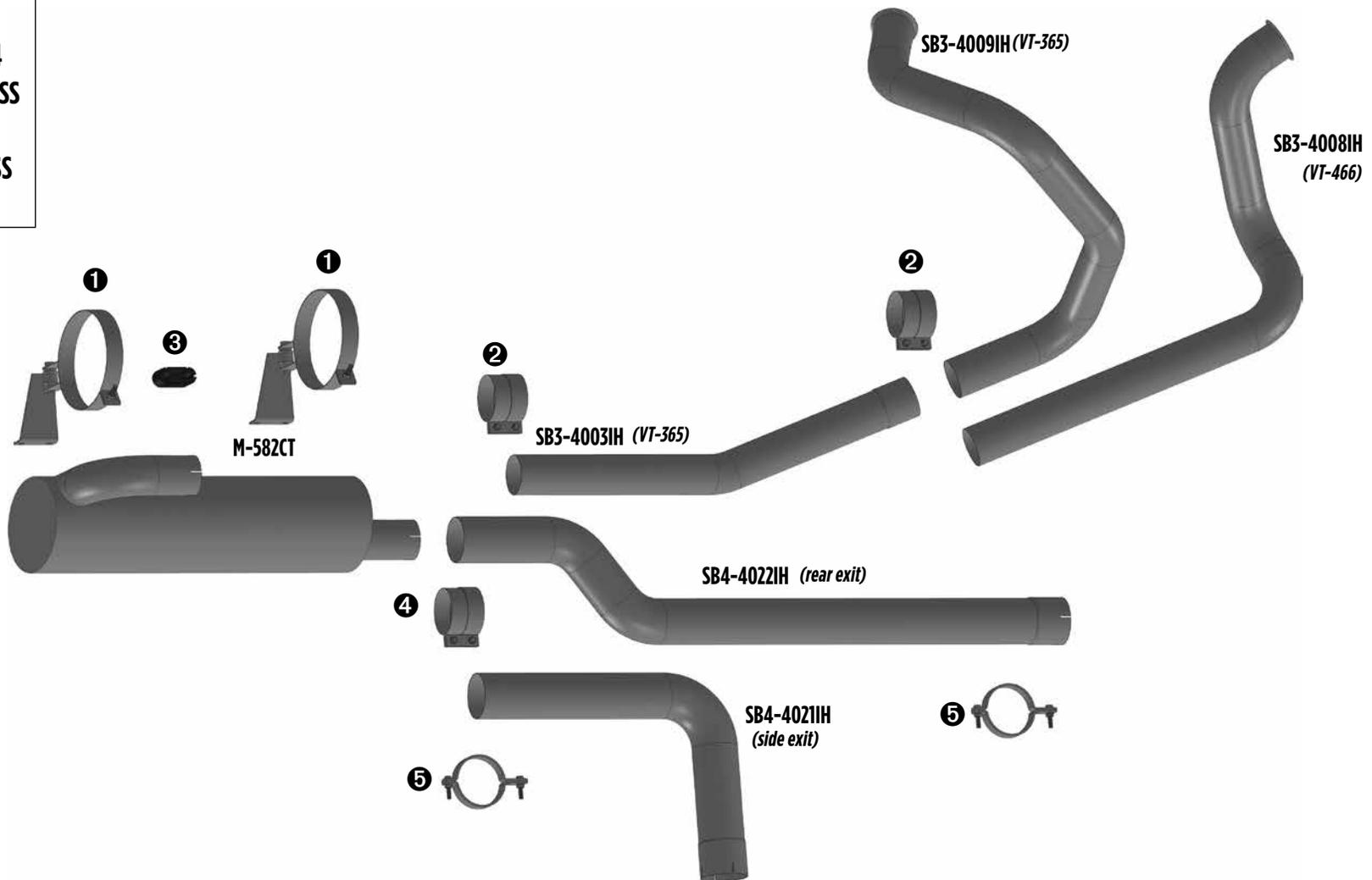
- ① WFC-35SS
- ② H-IHM4
- ③ WFC-4SS
- ④ H-IHP1
- ⑤ H-IHP3



## INT602 - '04 - '07 6 Cyl. IC Rear Engine VT-365 & DT466

### Clamps

- ① H-IHM4
- ② WFC-35SS
- ③ H-IHP1
- ④ WFC-4SS
- ⑤ H-IHP5

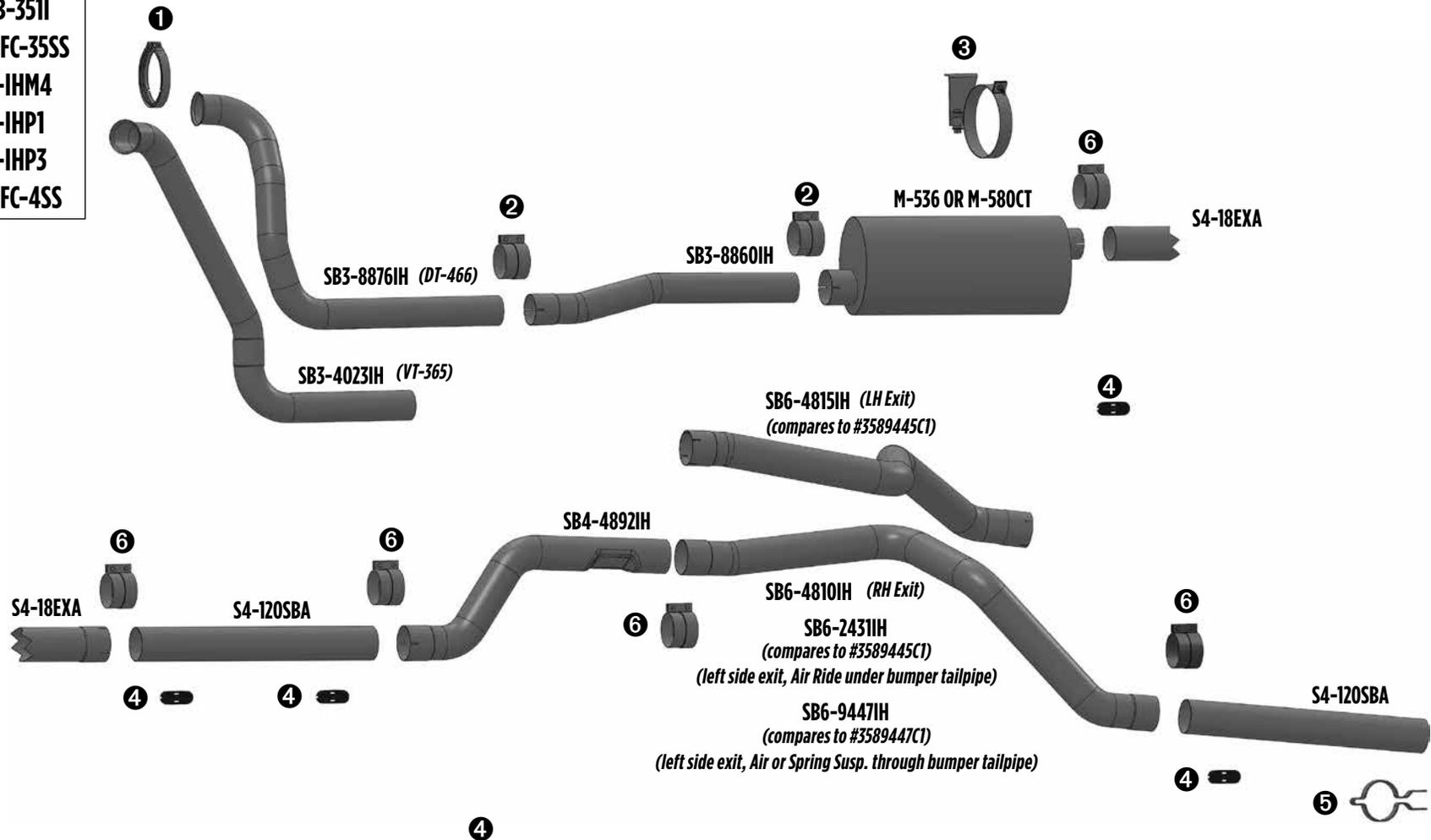


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT603 - '05 - '08 6 Cyl. CE International w/ DT-466 & VT-365 Engine Exc. DPF System

### Clamps

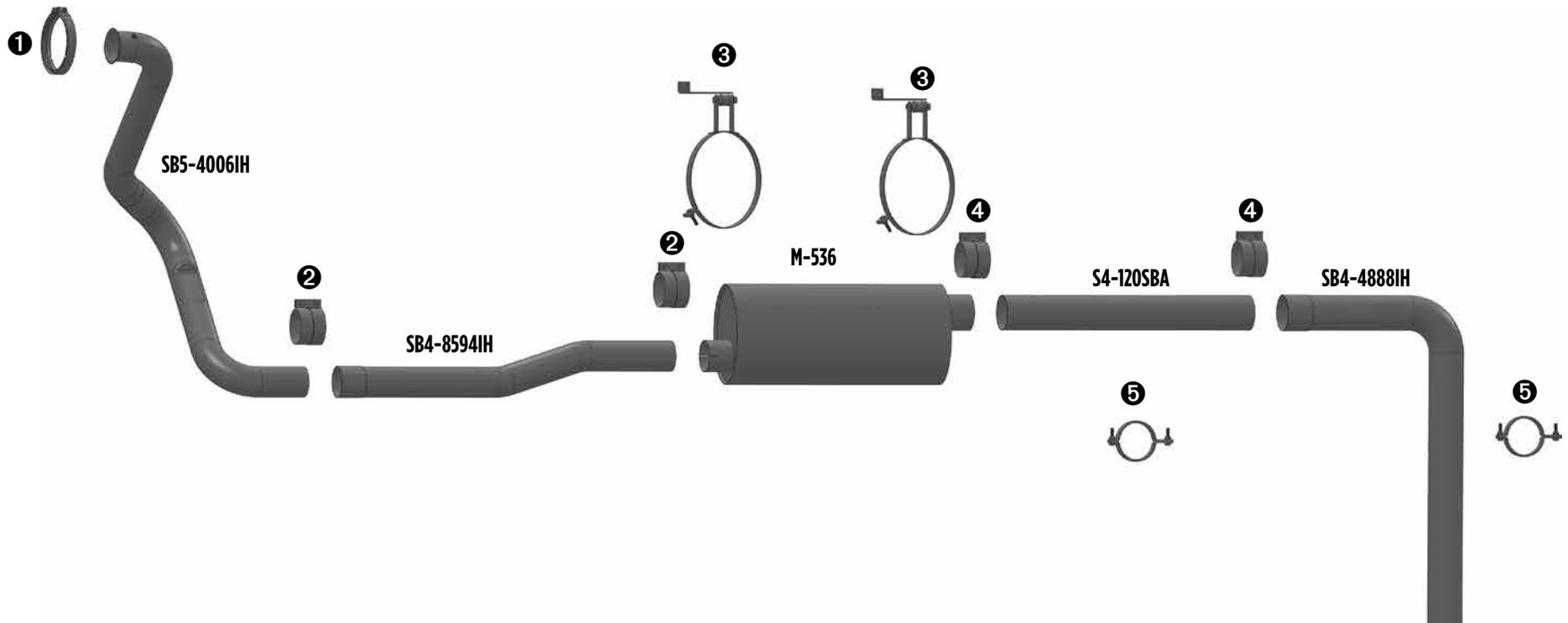
- ① VB-351I
- ② WFC-35SS
- ③ H-IHM4
- ④ H-IHP1
- ⑤ H-IHP3
- ⑥ WFC-4SS



## INT604 - '00 - '02 6 Cyl. International DT 466 Engine, Left Side Exhaust System

### Clamps

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

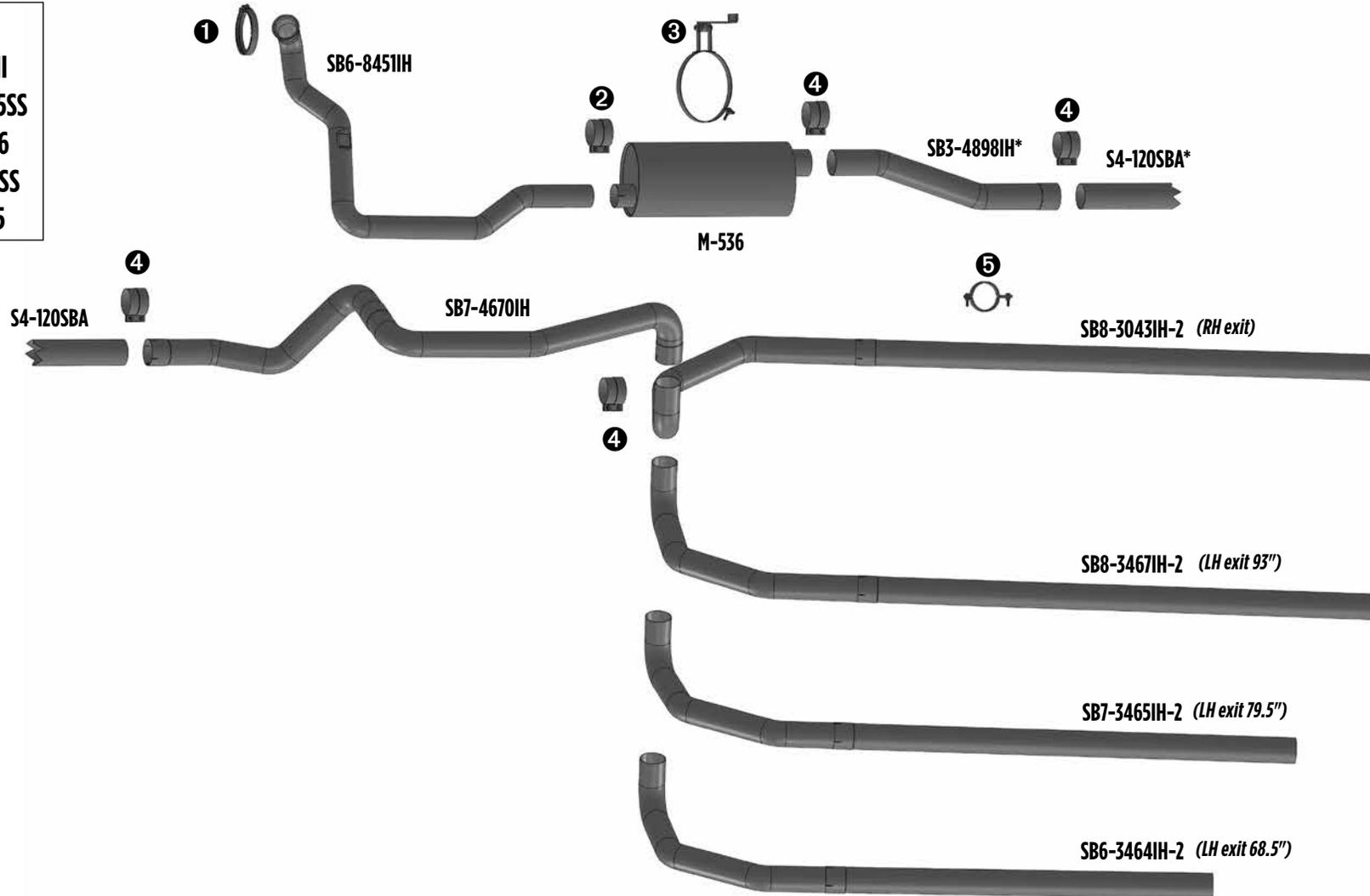


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT605 - 2001 6 Cyl. Series 3800 w/ T444 Turbo Diesel, w/ Air Ride Suspension

### Clamps

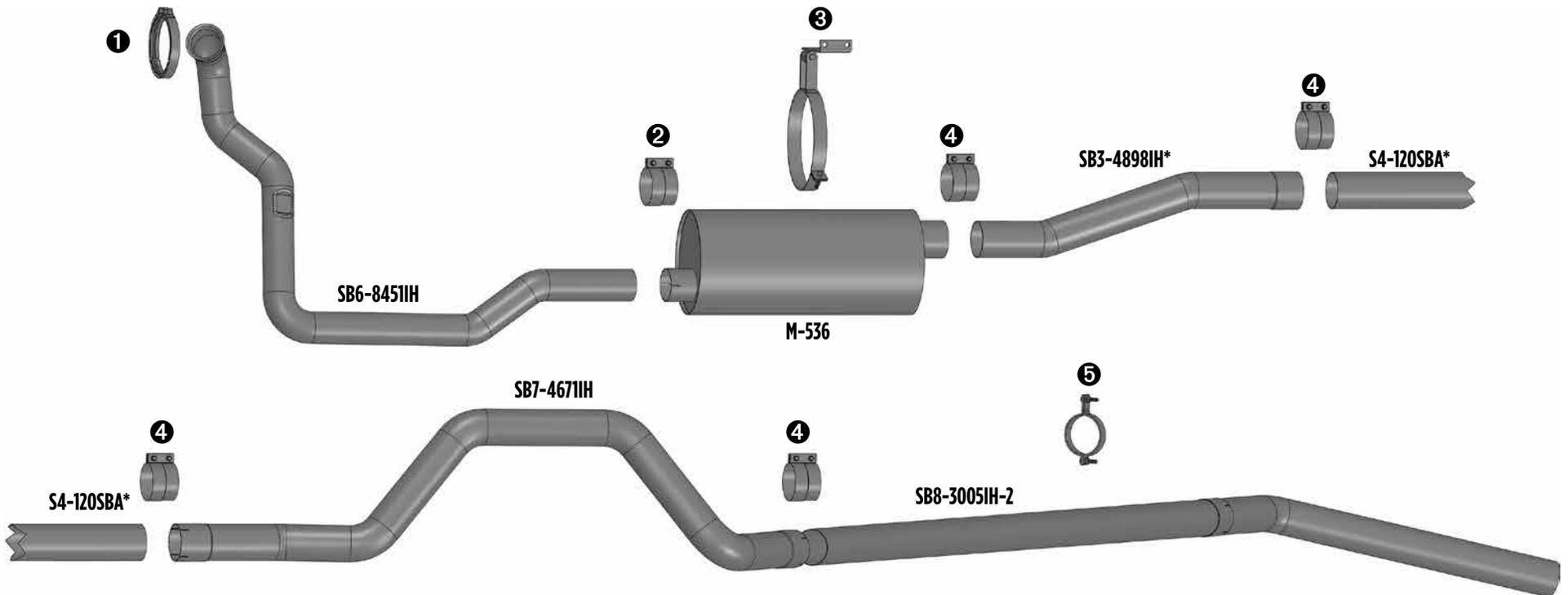
- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5



## INT606 - 2001 6 Cyl. Series 3800 w/ 444 Turbo Diesel, w/ Spring Suspension (Vari-Rate Suspension)

### Clamps

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

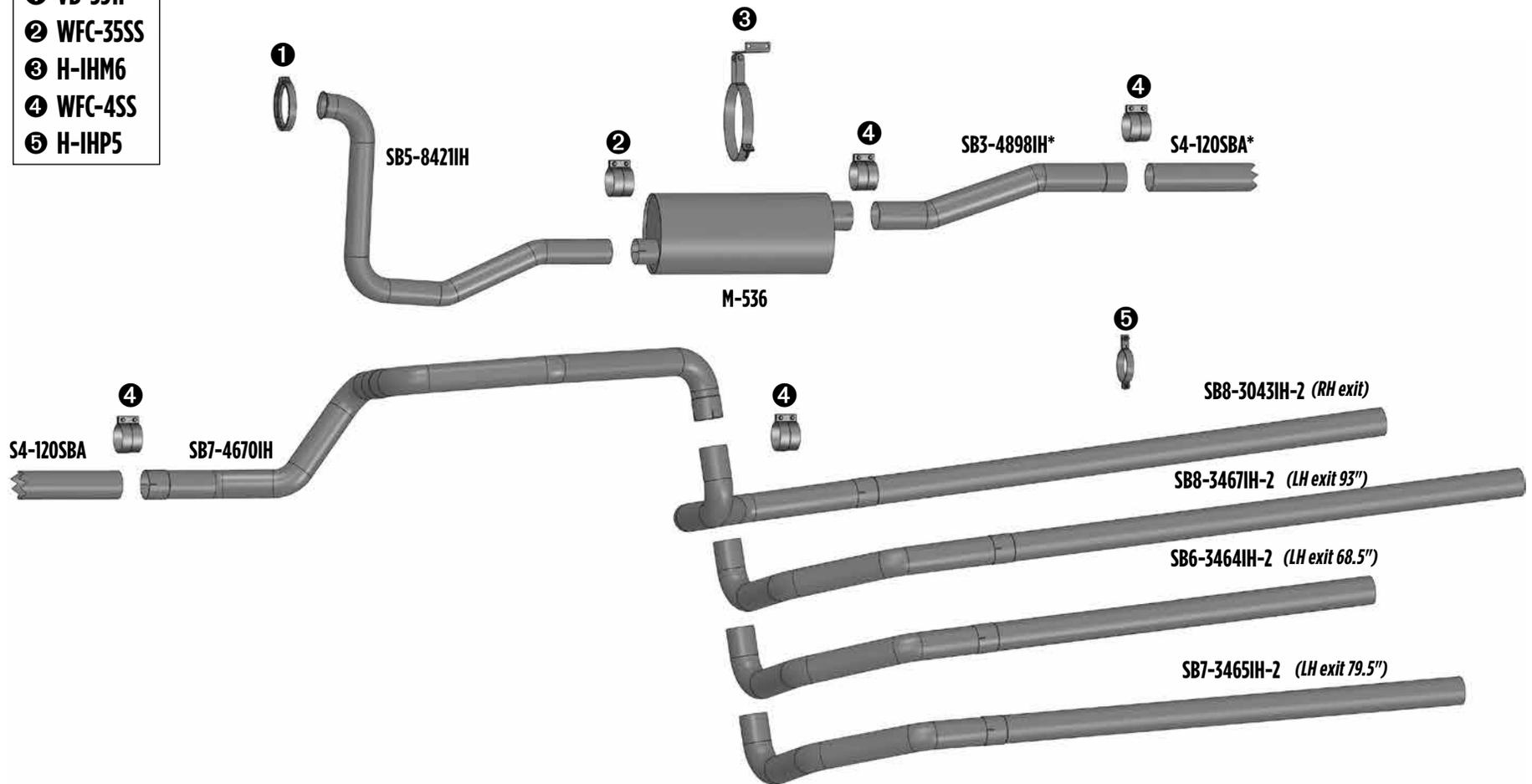


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT607 - '00 - '01 6 Cyl. Series 3800 w/ DT466 Turbo Diesel, w/ Air Ride Suspension

### Clamps

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

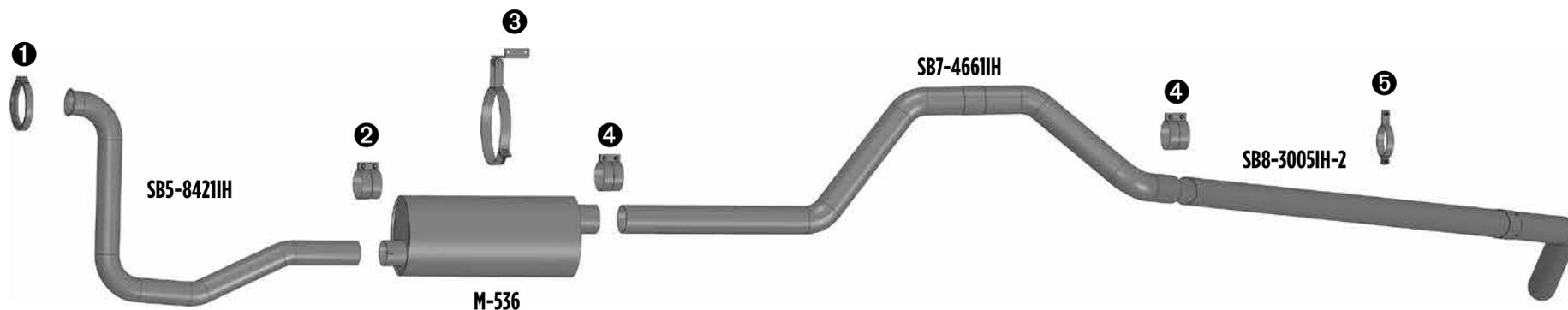


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT608 - '96 - '00 6 Cyl. Series 3800 w/ DT408, DT466 NGD Diesel; w/ Code 07ABC; RH Exhaust; 152" W.B.**

## Clamps

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

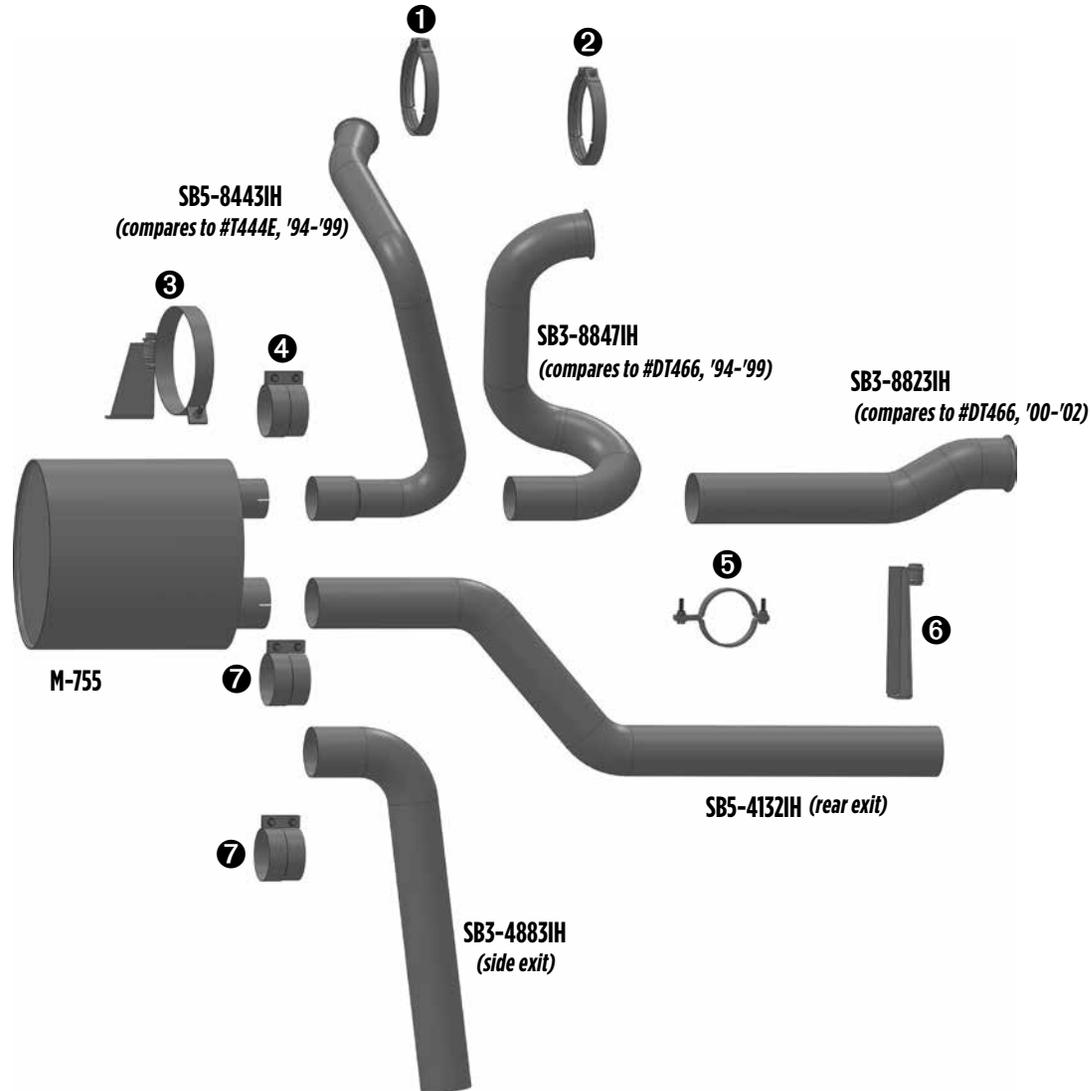


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT609 - '94 - '02 6 & 8 Cyl. Amtran T444E & Dt466 Rear Engine Foward Control

### Clamps

- ① VB-302I
- ② VB-351I
- ③ H-IHM6
- ④ WFC-35SS
- ⑤ H-IHP5
- ⑥ H-IH7
- ⑦ WFC-4SS

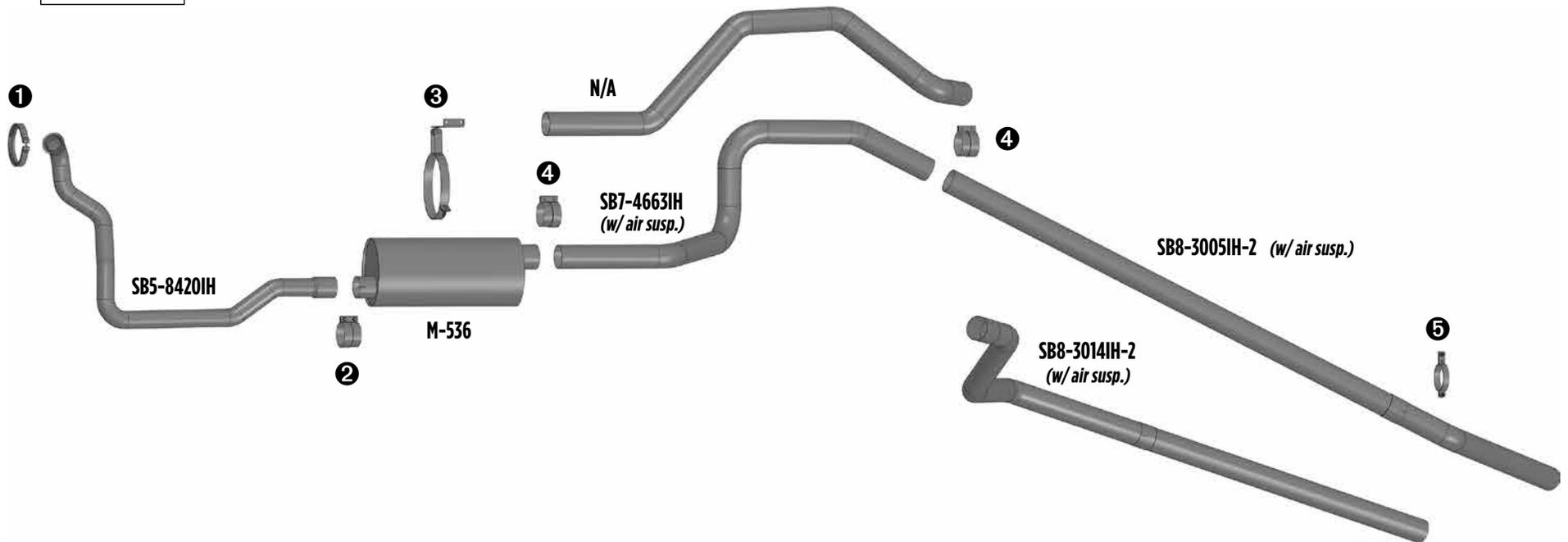


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT610 - '94 - '04 8 Cyl. Series 3600; w/ T444E Diesel; w/ Code 10NXW-Handicap Pkg.; RH Rear Exit Tail Pipe; 152"-276" W.B.

### Clamps

- ① VB-301I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

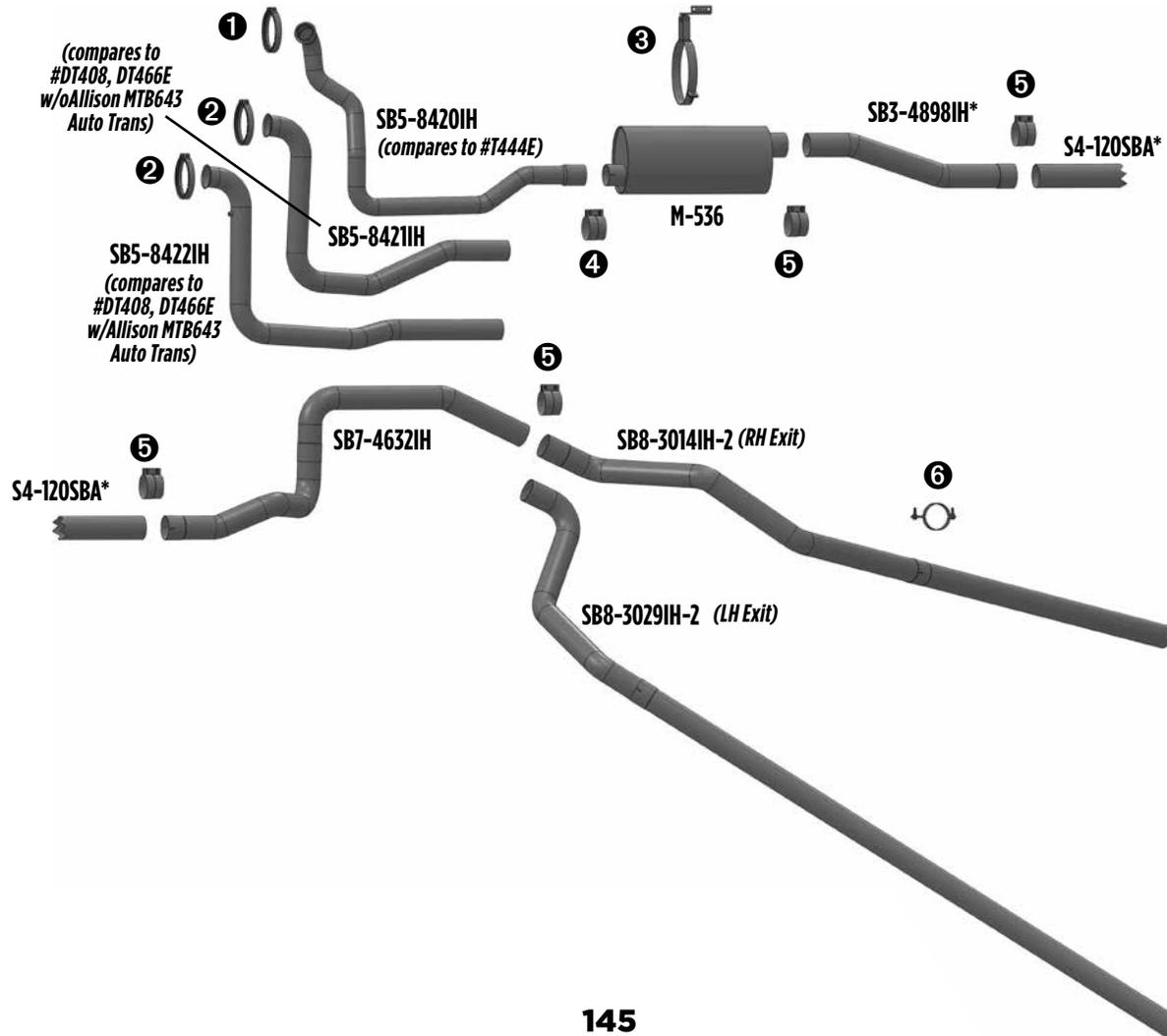


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT611 - '94 - '04 6-8 Cyl. Series 3600, 3800; 6 Cyl. DT408, DT466E, 8 Cyl. T444E Diesel; w/ Air Suspension;  
152"-276" W.B.**

**Clamps**

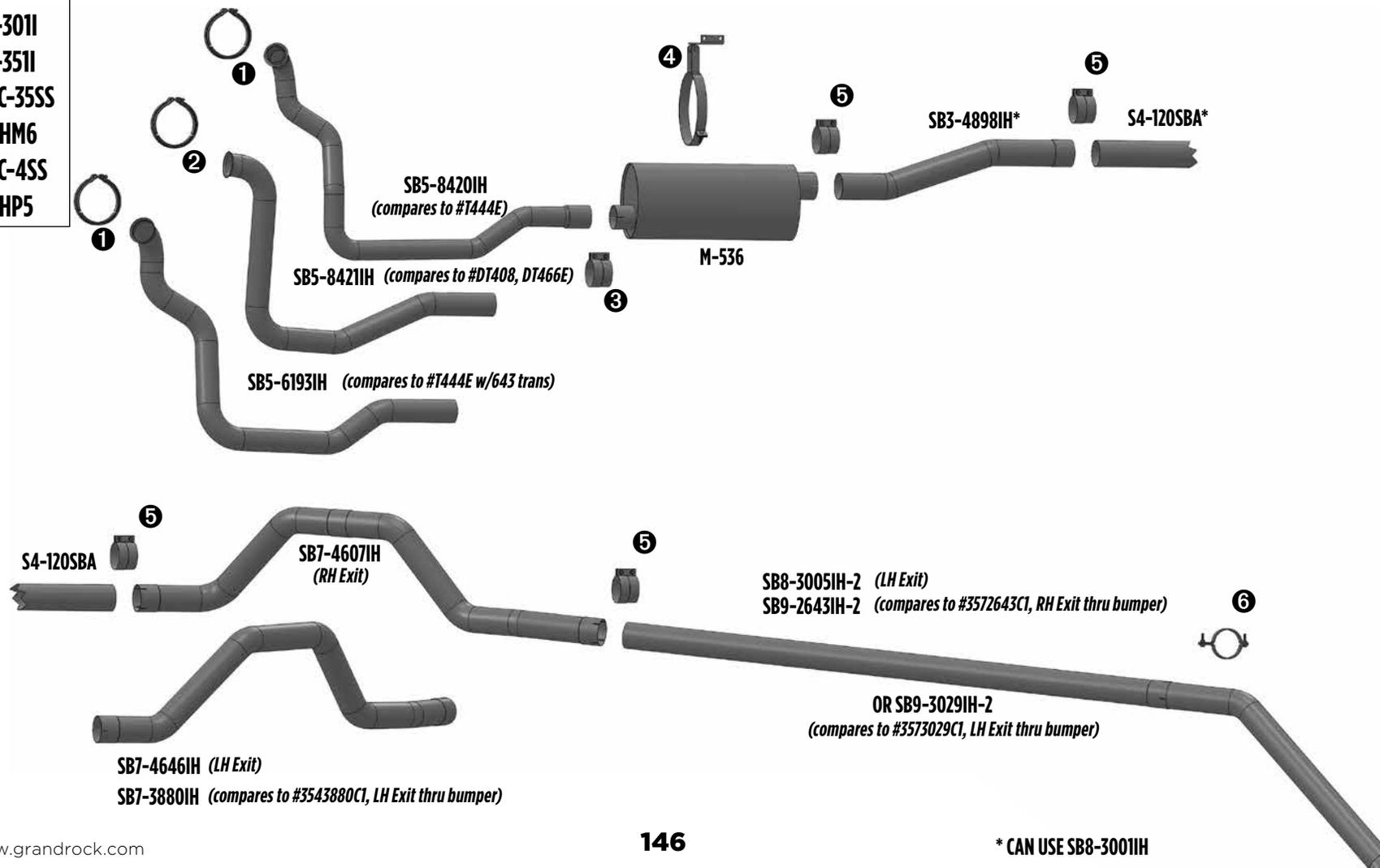
- ❶ VB-301I
- ❷ VB-351I
- ❸ H-IHM6
- ❹ WFC-35SS
- ❺ WFC-4SS
- ❻ H-IHP5



## INT612 - '94 - '04 Series 3600, 3800 6 cyl., DT408, DT466E 8 cyl. T444E Turbo Diesel w/ Variable Rate Suspension; 152" - 276" W.B.

### Clamps

- ① VB-301I
- ② VB-351I
- ③ WFC-35SS
- ④ H-IHM6
- ⑤ WFC-4SS
- ⑥ H-IHP5

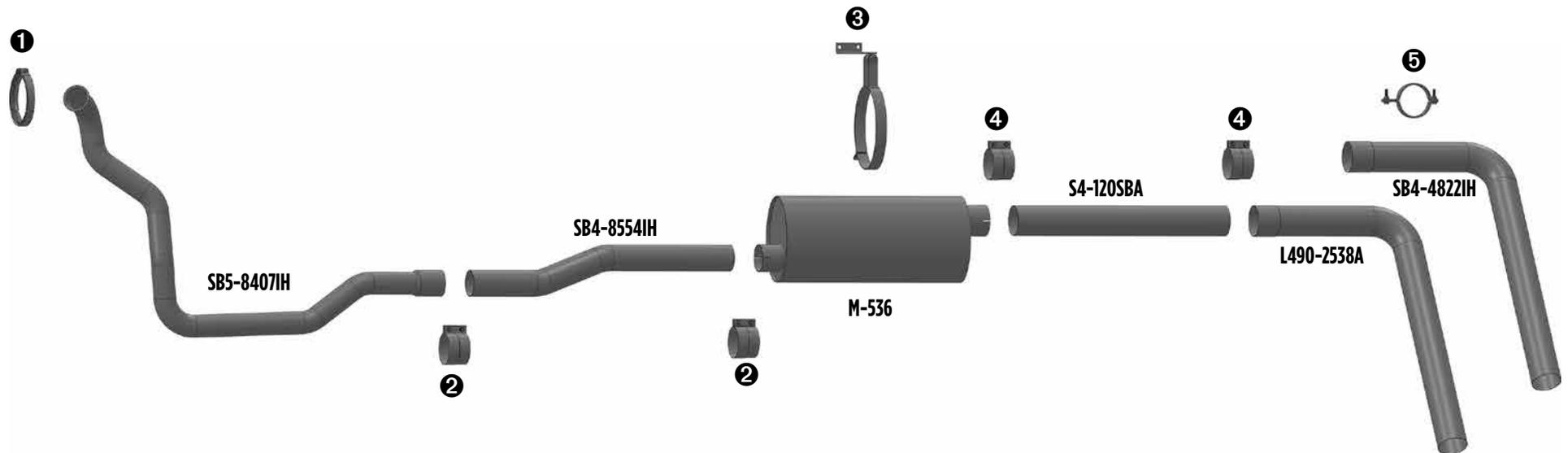


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT613 - '94 - '04 6 Cyl. Series 3800; w/ DT408, DT466E Turbo Diesel; Code OAAS Tailpipe Exits Front of LH Rear Wheel; 152" - 276" W.B.**

## Clamps

- ❶ VB-351I
- ❷ WFC-35SS
- ❸ H-IHM6
- ❹ WFC-4SS
- ❺ H-IHP5

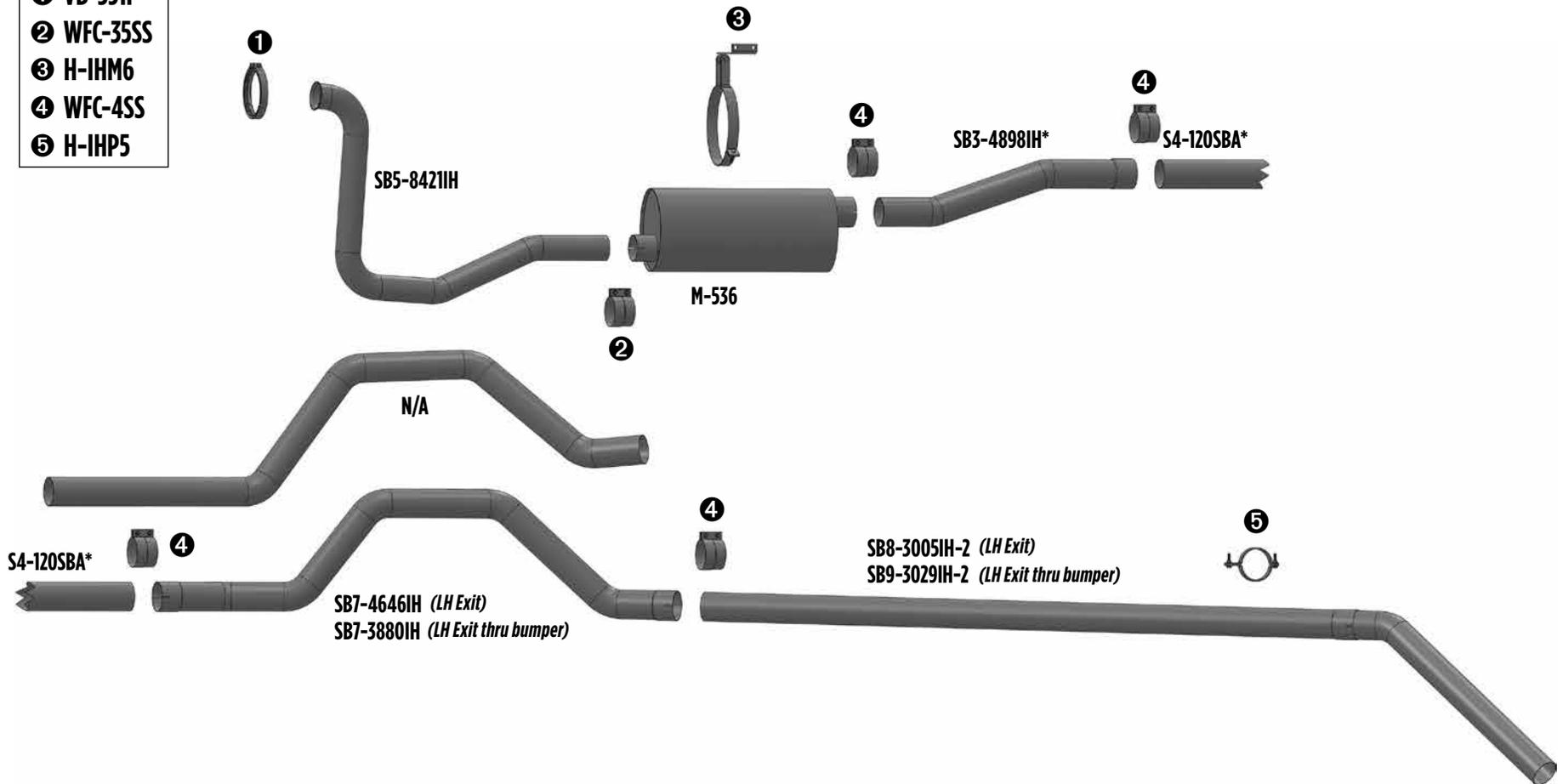


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT614 - '94 - '04 6 Cyl. Series 3800; w/ DT408, DT466E Turbo Diesel; w/ Code 07AAN; LH Exit Tail Pipe; w/o Air Suspension; 152"-276" W.B.**

**Clamps**

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

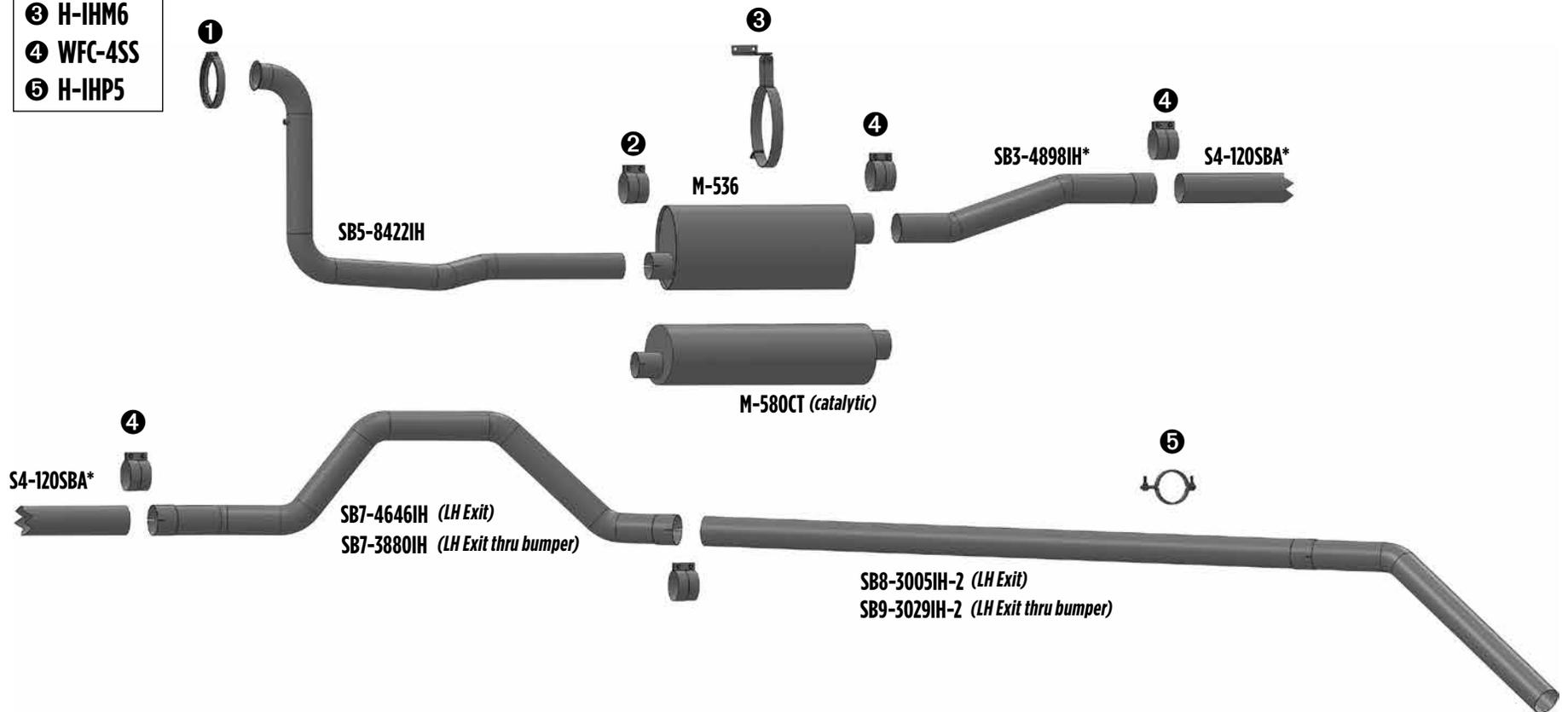


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT615 - '94 - '04 6 Cyl. Series 3800; w/ DT408, DT466E Turbo Diesel; w/ Code 07AAW; w/ Allison MTB643, MTB653DR Auto. Trans.; LH Exit Tail Pipe; w/o Air Suspension; 152", 170"-276" W.B.**

**Clamps**

- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

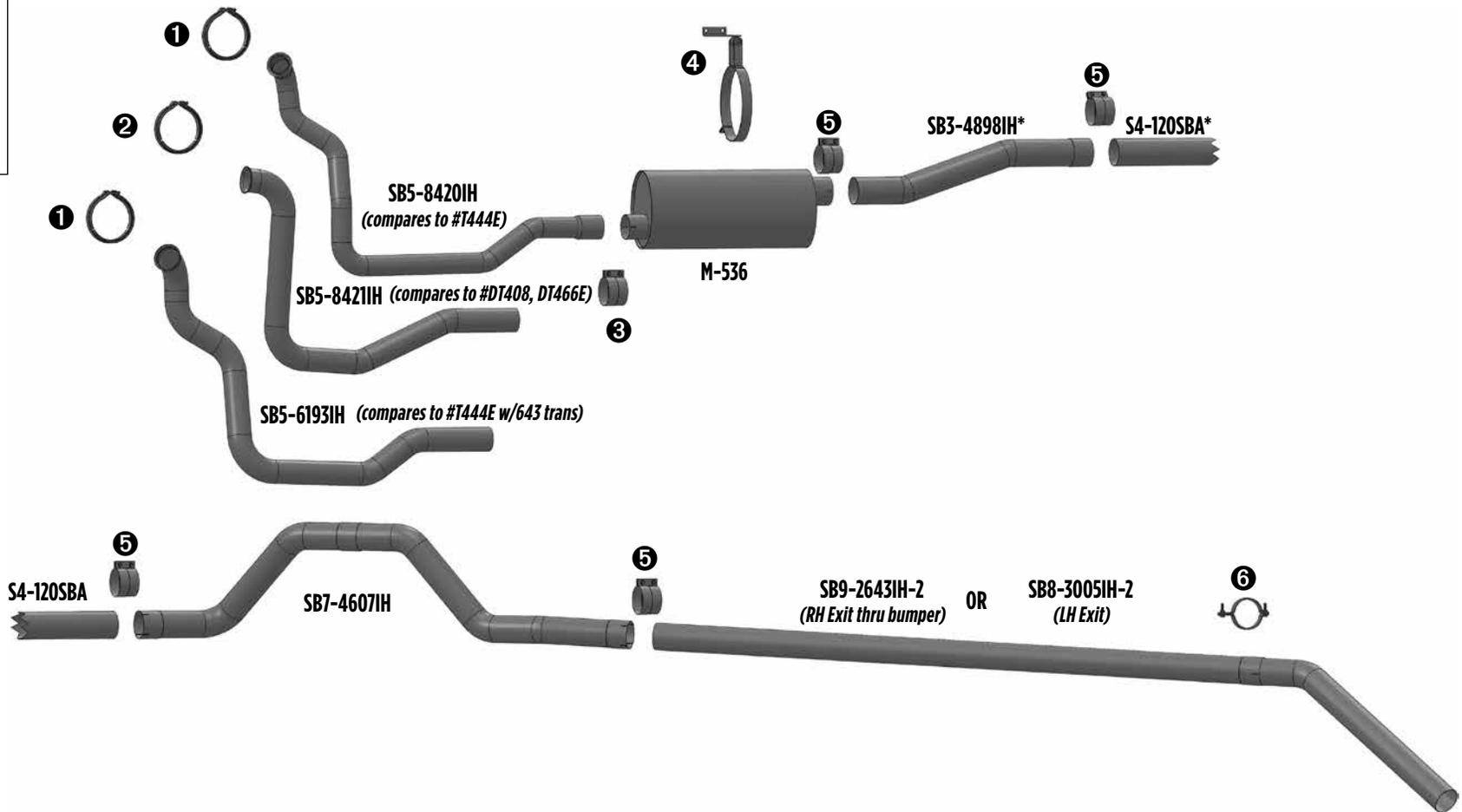


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT616 - '94 - '04 6 - 8 Cyl. Series 3600, 3800 w/ DT408, DT466E, T444E Diesel w/ Mor-Ryde Susp. Exc RH  
Rear Exit Tailpipe 152", 170" - 276" W.B.**

**Clamps**

- ① VB-301I
- ② VB-351I
- ③ WFC-35SS
- ④ H-IHM6
- ⑤ WFC-4SS
- ⑥ H-IHP5

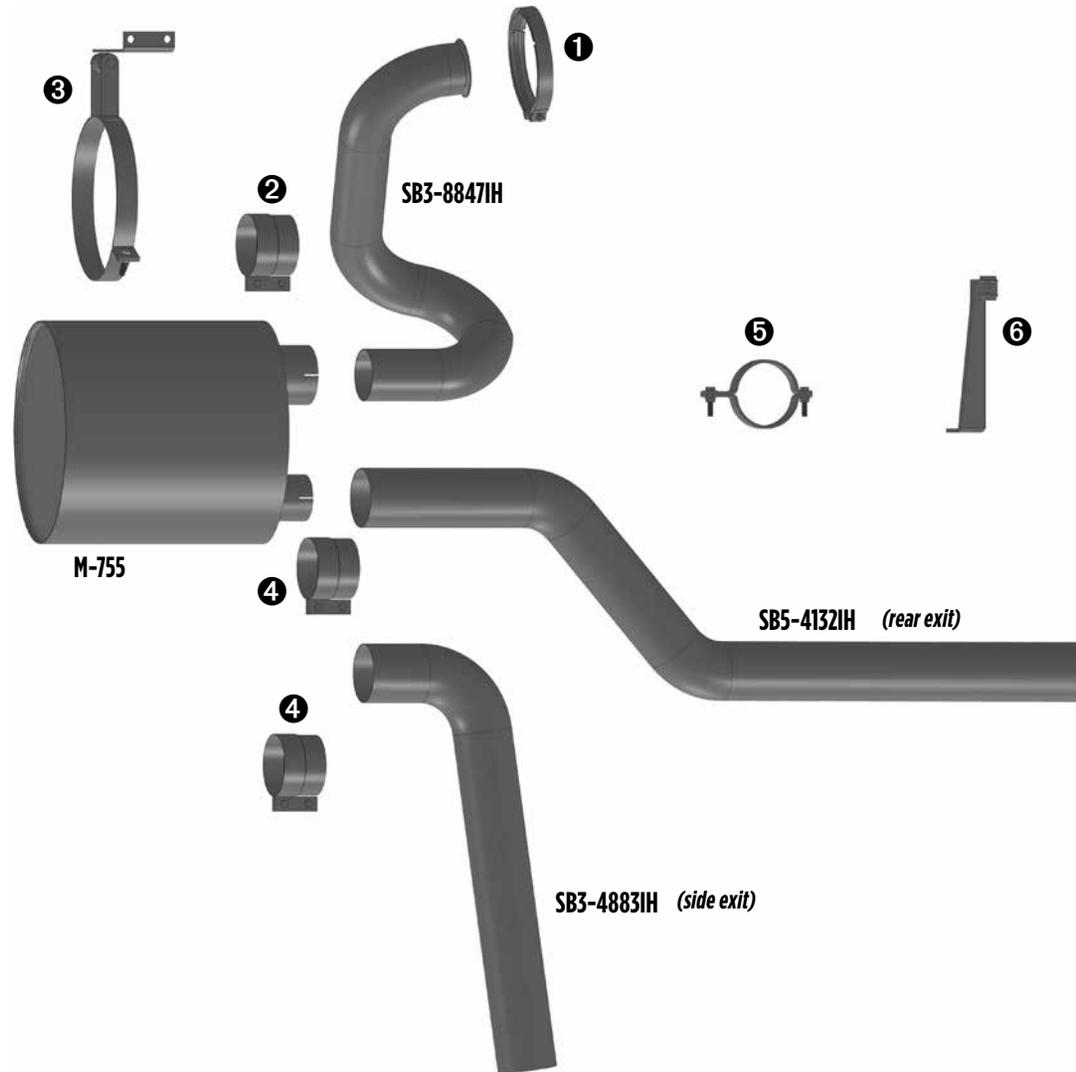


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT617 - '94 - '00 6 Cyl. International; Amtran – DT 466 Rear Engine; Forward Control

### Clamps

- ① VB-302I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5
- ⑥ H-IH7

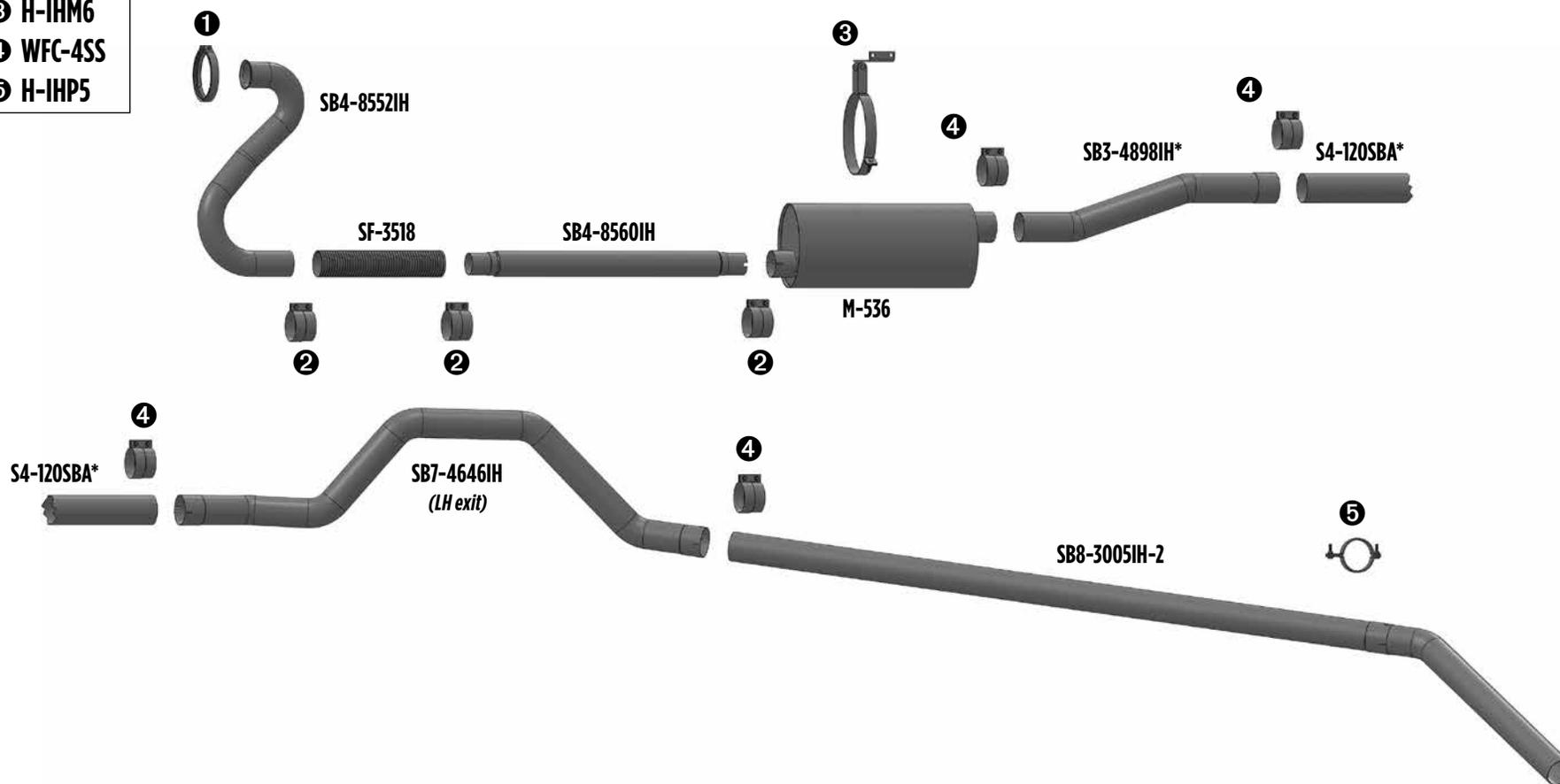


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT618 - '91 - '93 6 Cyl. Series "S"; 3700, 3800; w/ DT466, DTA466 Diesel Eng.; Allison MTB643 Auto. Trans;  
w/ Mor-Ryde or Vari-Rate Suspension; w/o Air Suspension; Long Tail Pipe-Left Side Exit**

**Clamps**

- ① VB-350I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5



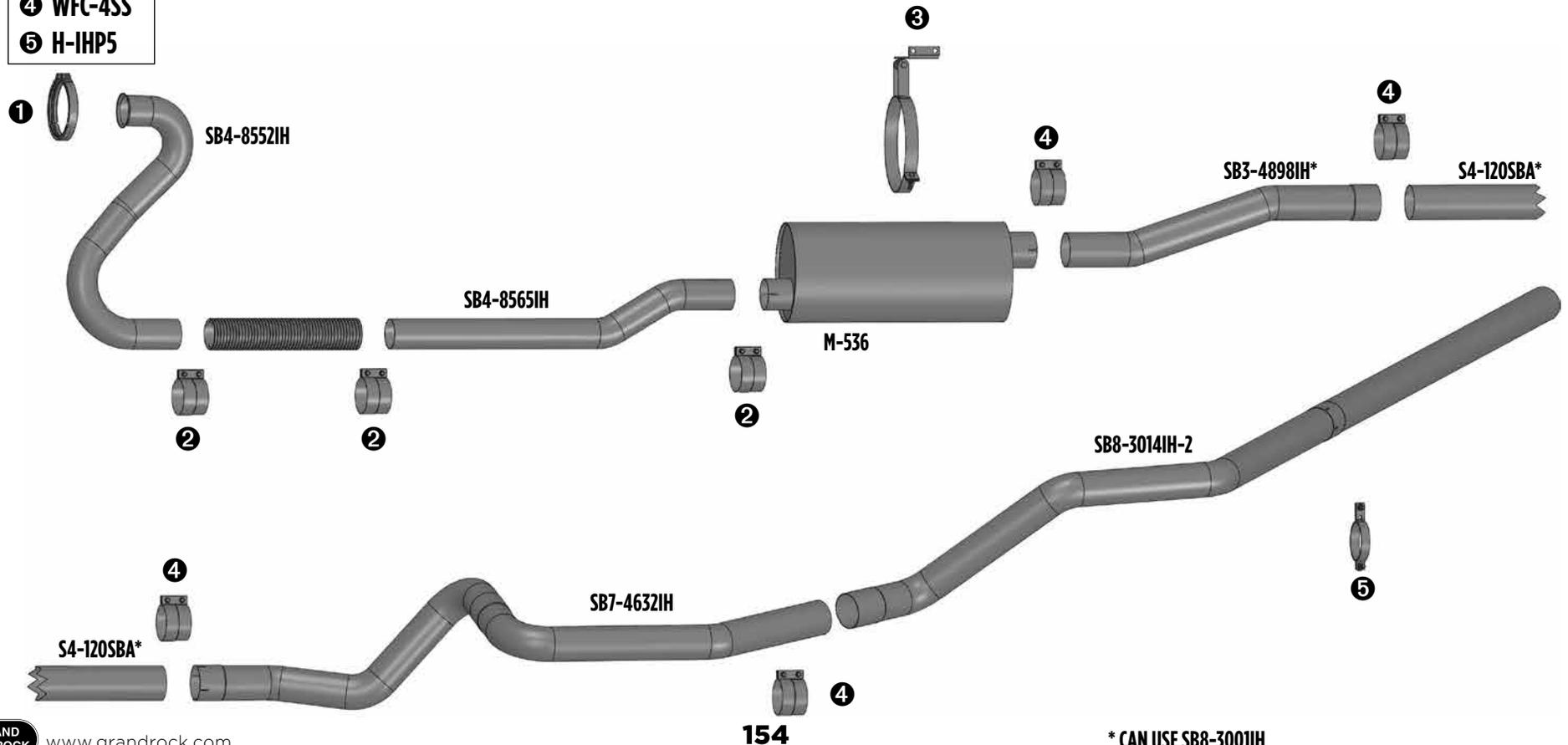


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT620 - '91 - '93 6 Cyl. Series "S"; 3700, 3800; w/ DT466, DTA466 Diesel Eng.; Allison MTB643 Auto. Trans; w/ Air Suspension; Long Tail Pipe - Right Side Exit**

**Clamps**

- ① VB-350I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

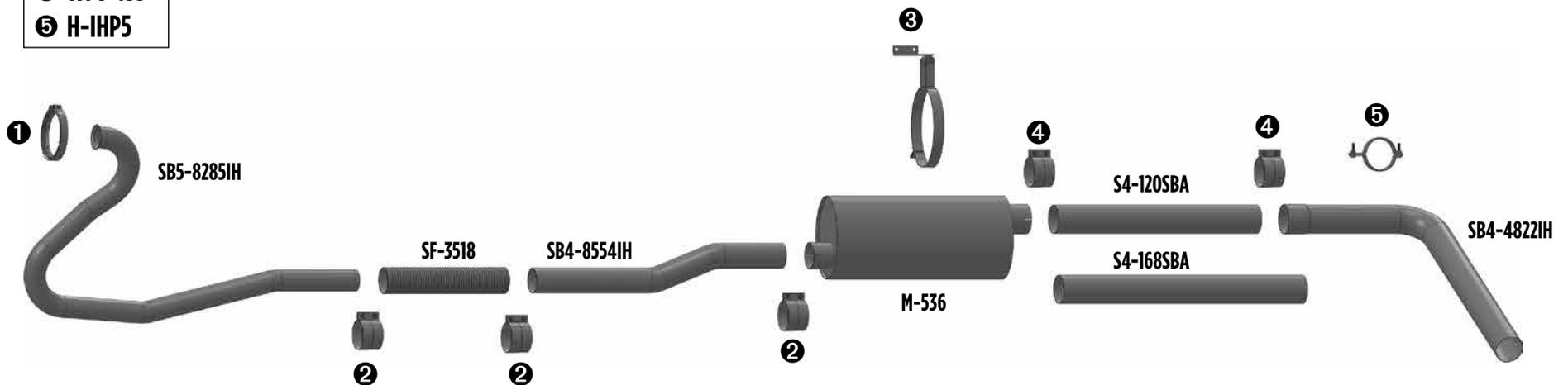


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT621 - '91 - '93 6 Cyl. Series "S" 3700, 3800; w/ DT360, DTA360 Diesel Eng. Short Tail Pipe Left Side Exit in Front of Rear Wheel

### Clamps

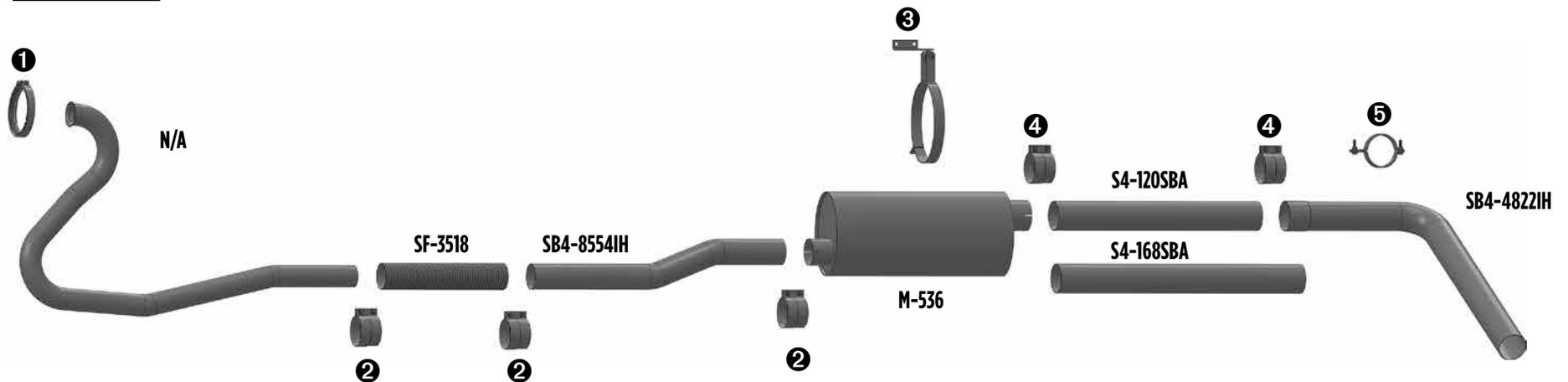
- ① VB-351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5



## INT622 - '91 - '93 6 Cyl. Series "S"; 3700, 3800; w/ DT466, DTA466 Diesel Eng.; Short Tail Pipe-Left Side Exit in Front of Rear Wheel

### Clamps

- ① VB-350I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5



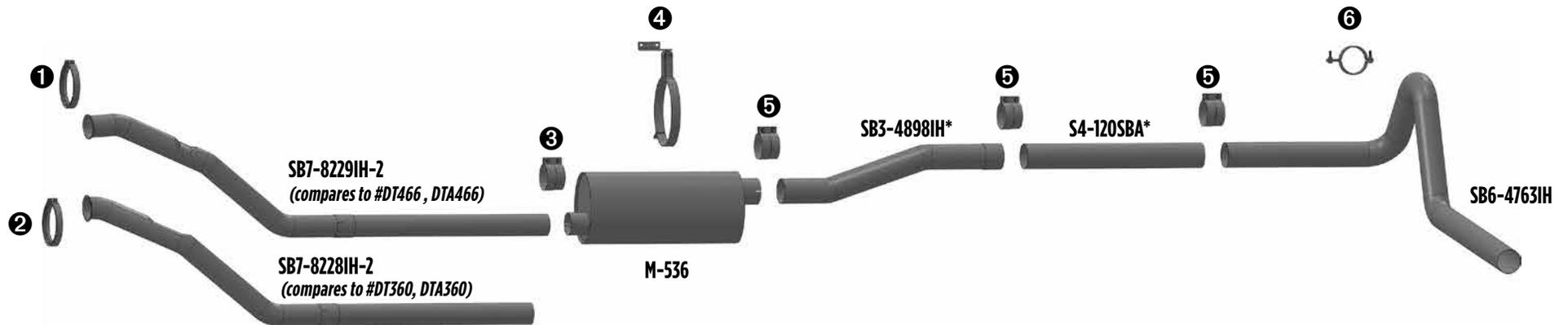
# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT623 - '91 - '93 6 Cyl. 3900 FC Series; w/ DT360, DTA360 Diesel Eng.; Short Tail Pipe-Left Side Exit in Front of Rear Wheel**

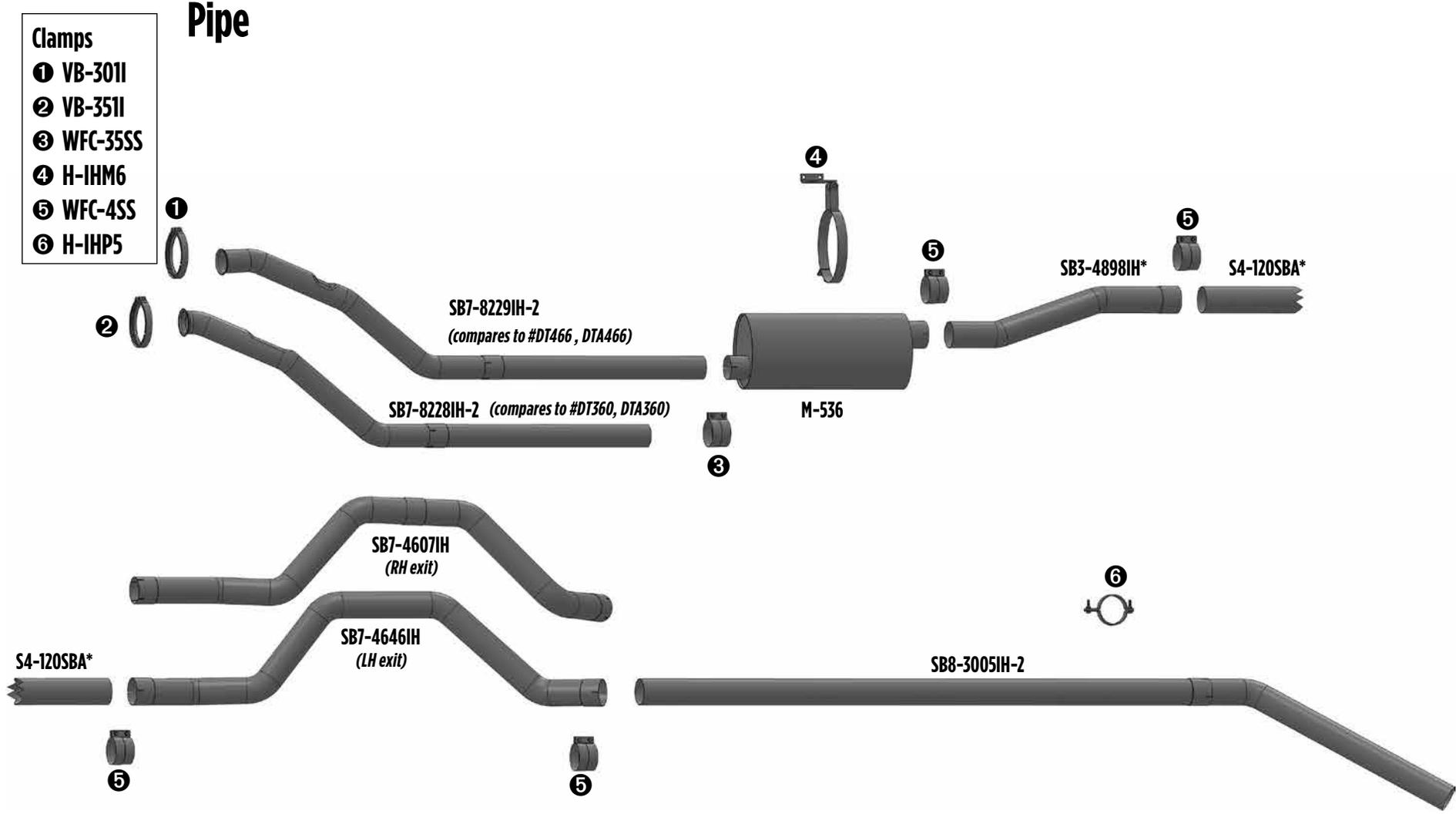
**'91- '93 6 Cyl. 3900 FC Series; w/ DT466, DTA466 Diesel Eng.; Short Tail Pipe-Left Side Exit in Front of Rear Wheel**

**Clamps**

- ❶ VB-301I
- ❷ VB-351I
- ❸ WFC-35SS
- ❹ H-IHM6
- ❺ WFC-4SS
- ❻ H-IHP5



## INT624 - '91 - '93 6 Cyl. 3900 FC Series; DT/DTA360, DT/DTA466 Diesel Eng.; w/o Air Suspension; Long Tail

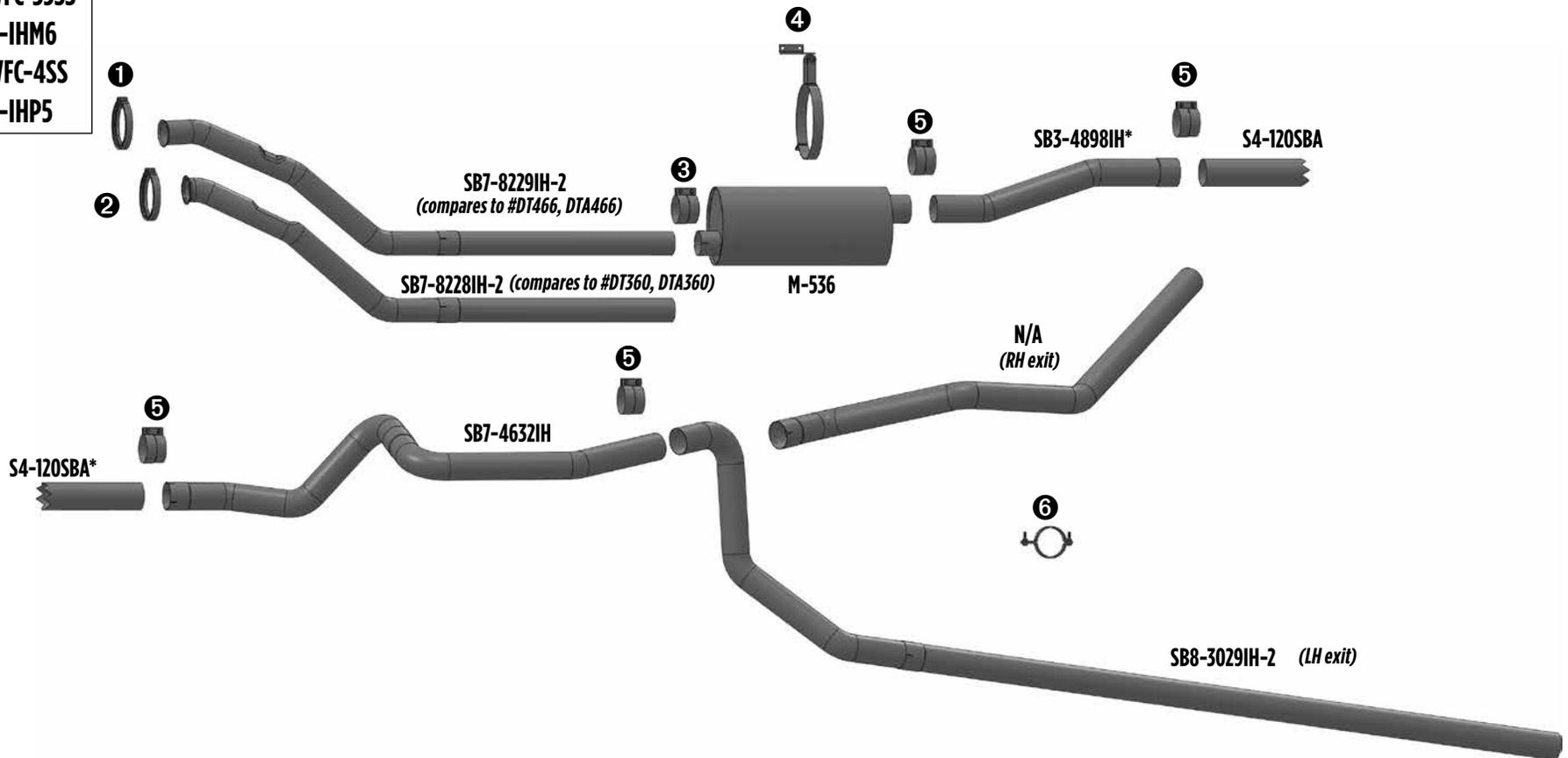


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT625 - '91 - '93 6 Cyl. 3900 FC Series; w/ DT360, DTA360, DT466, DTA466 Diesel Eng.; w/Air Suspension, Long Tail Pipe

### Clamps

- ❶ VB-301I
- ❷ VB-351I
- ❸ WFC-35SS
- ❹ H-IHM6
- ❺ WFC-4SS
- ❻ H-IHP5

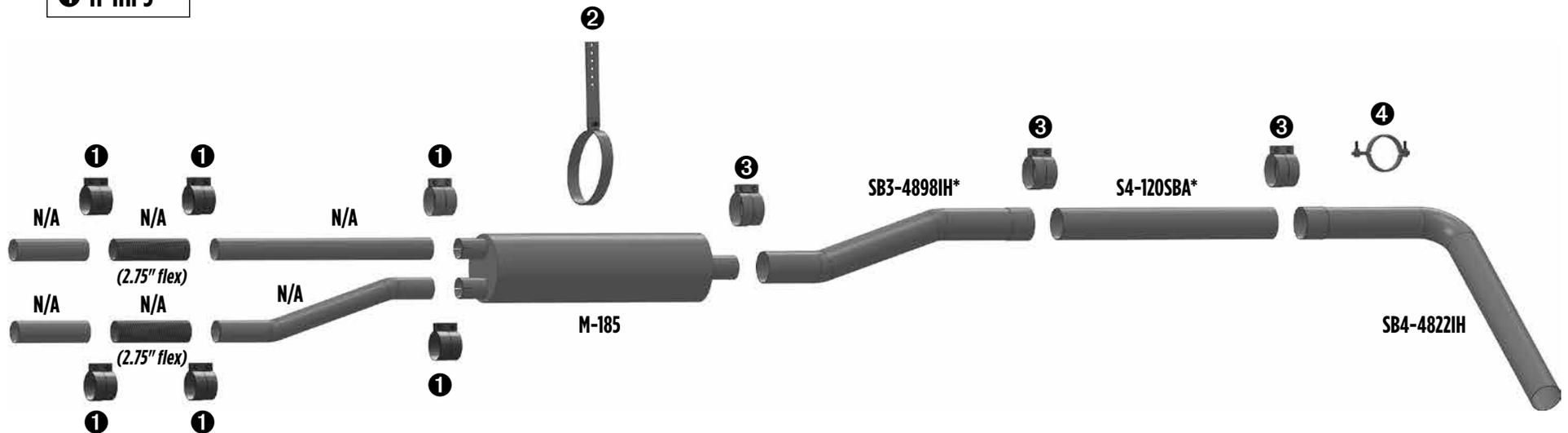


# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT626 - '91 - '93 6 Cyl. Series 3700, 3800; w/ 7.3L Diesel; LH Side Exit in Front of Rear Wheel; 152"-276" W.B.**

## Clamps

- ❶ PF-275
- ❷ OMH-8511
- ❸ WFC-4SS
- ❹ H-IHP5



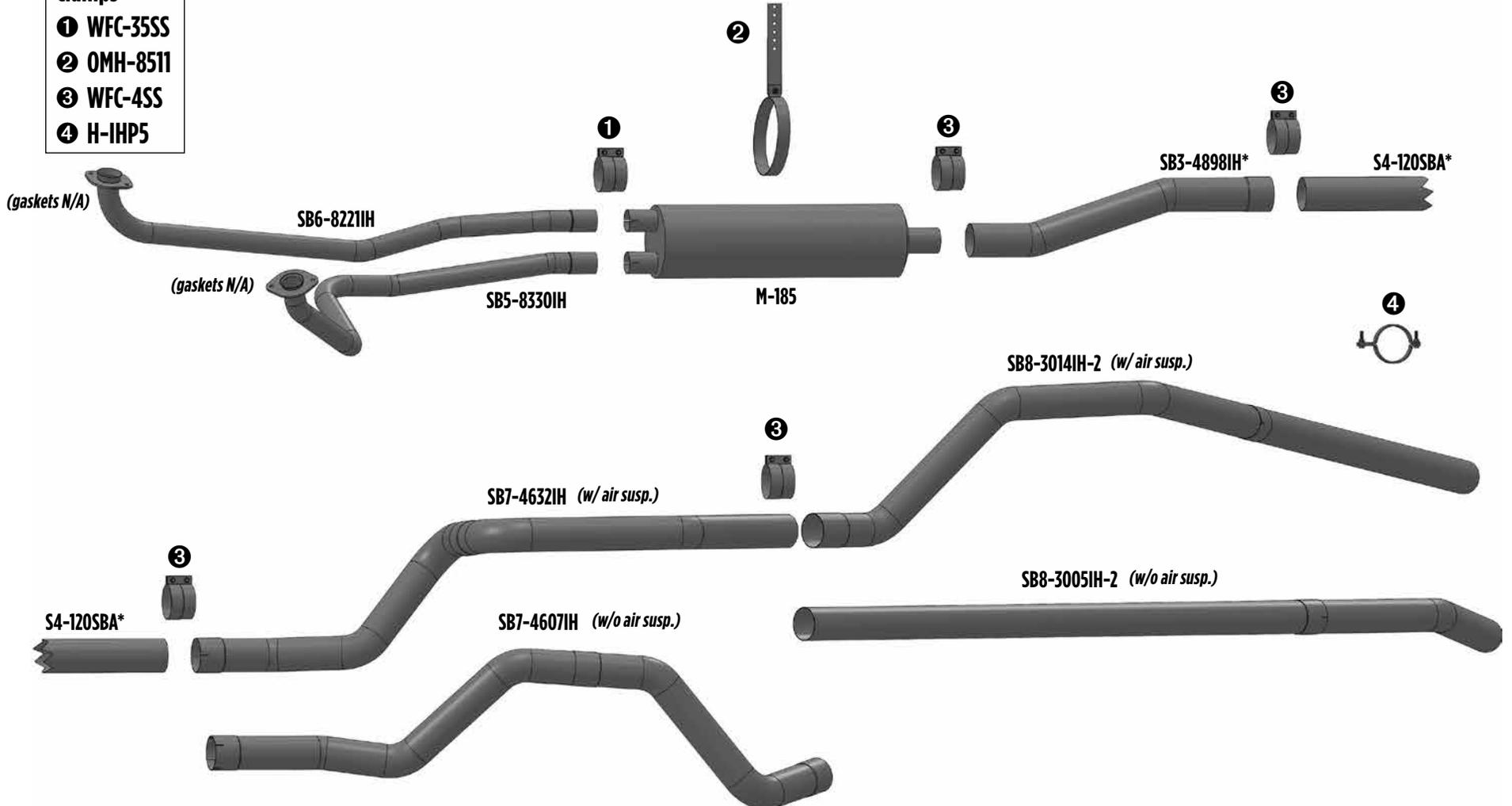
**\* CAN USE SB8-3001IH**

# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT627 - '88 - '93 8 Cyl. Series "S"; 3600, 3700; 7.3L Diesel Eng.; w/o Air Susp.; RH Mounted Tail Pipe**  
**'88 - '93 8 Cyl. Series "S"; 3600, 3700; 7.3L Diesel Eng.; w Air Susp.; RH Mounted Tail Pipe**

**Clamps**

- ❶ WFC-35SS
- ❷ OMH-8511
- ❸ WFC-4SS
- ❹ H-IHP5

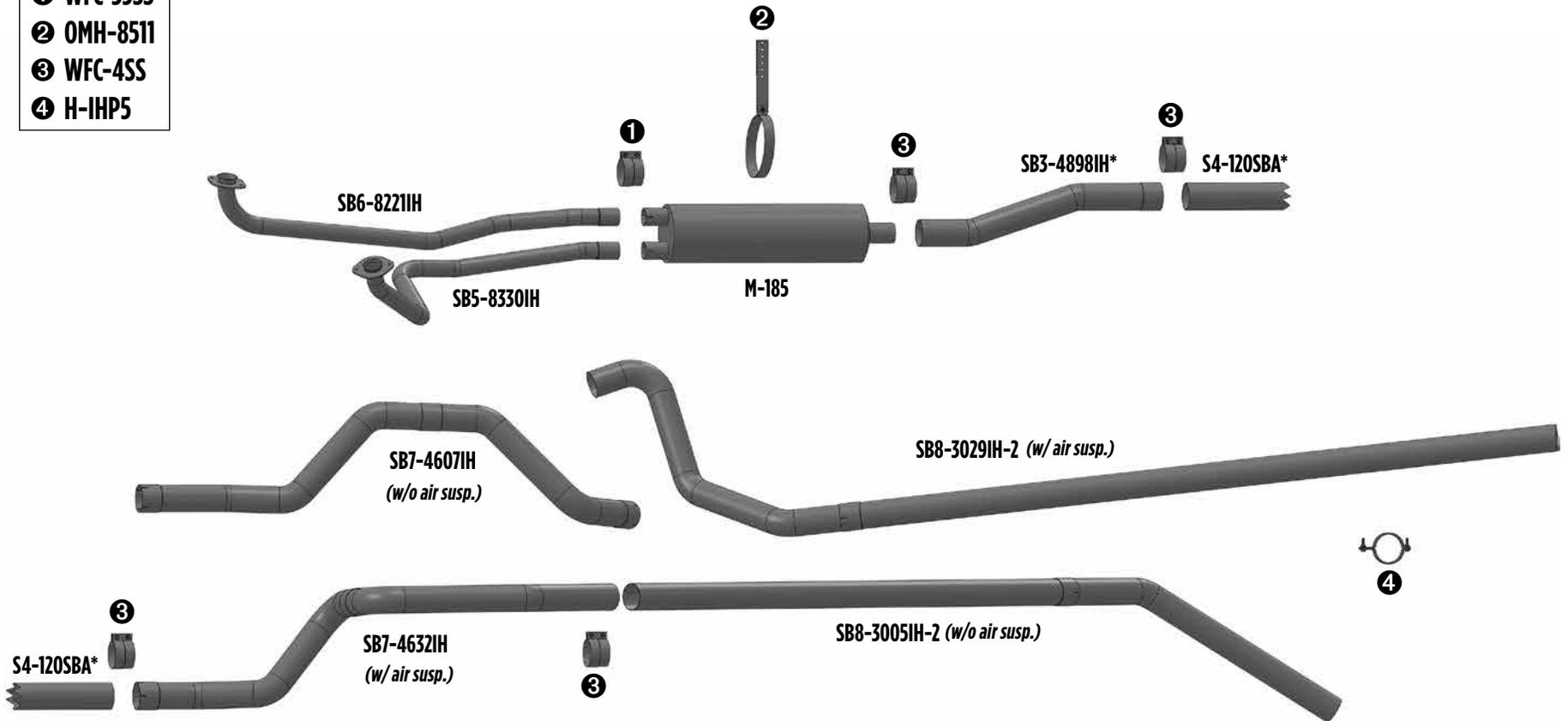


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT628 - '88 - '93 8 Cyl. Series "S"; 3600, 3700; 7.3L Diesel Eng.; w/o Air Susp.; LH Mounted Tail Pipe '88 - '93 8 Cyl. Series "S"; 3600, 3700; 7.3L Diesel Eng.; w Air Susp.; LH Mounted Tail Pipe

### Clamps

- ① WFC-35SS
- ② OMH-8511
- ③ WFC-4SS
- ④ H-IHP5



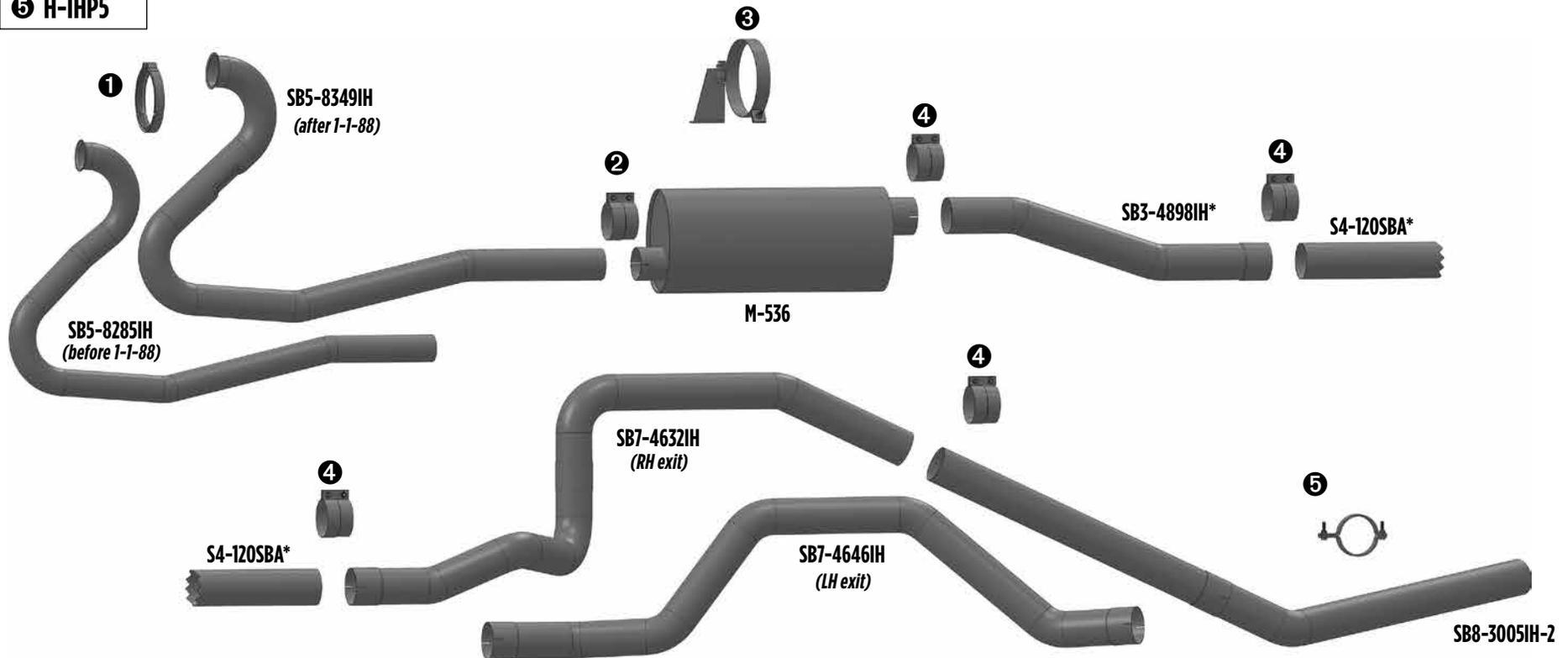
# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT629 - '87 - '93 6 Cyl. Series "S"; 3600, 3700, 3800; DT/DTA360 Diesel Eng.; w/o Air Susp. w/ Mor-Ryde or Vari-Rate Susp.; Long Tail Pipe - Left Side Exit**

**'87 - '93 6 Cyl. Series "S"; 3600, 3700, 3800; DT/DTA360 Diesel Eng.; w/o Air Susp.; Long Tail Pipe - Right Side Exit**

**Clamps**

- ① VB351I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

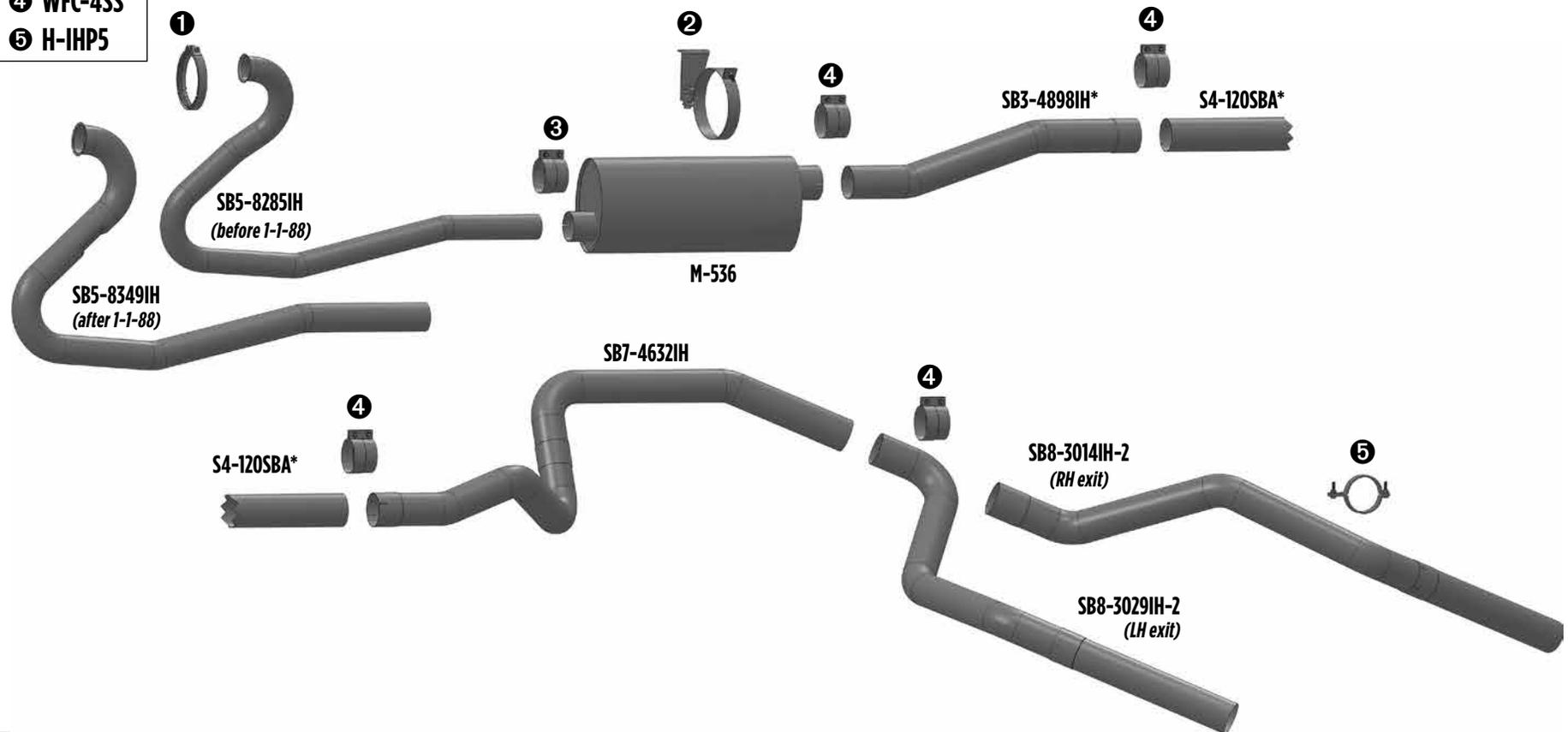


## INT630 - '87 - '93 6 Cyl. Series "S"; 3700, 3800; DT/DTA360 Diesel Eng.; w/ Air Susp.; Long Tail Pipe - Left Side Exit

### Clamps

- ① VB-351I
- ② H-IHM6
- ③ WFC-35SS
- ④ WFC-4SS
- ⑤ H-IHP5

## '87 - '93 6 Cyl. Series "S"; 3600, 3700, 3800; DT/DTA360 Diesel Eng.; w/ Air Susp.; Long Tail Pipe - Right Side Exit



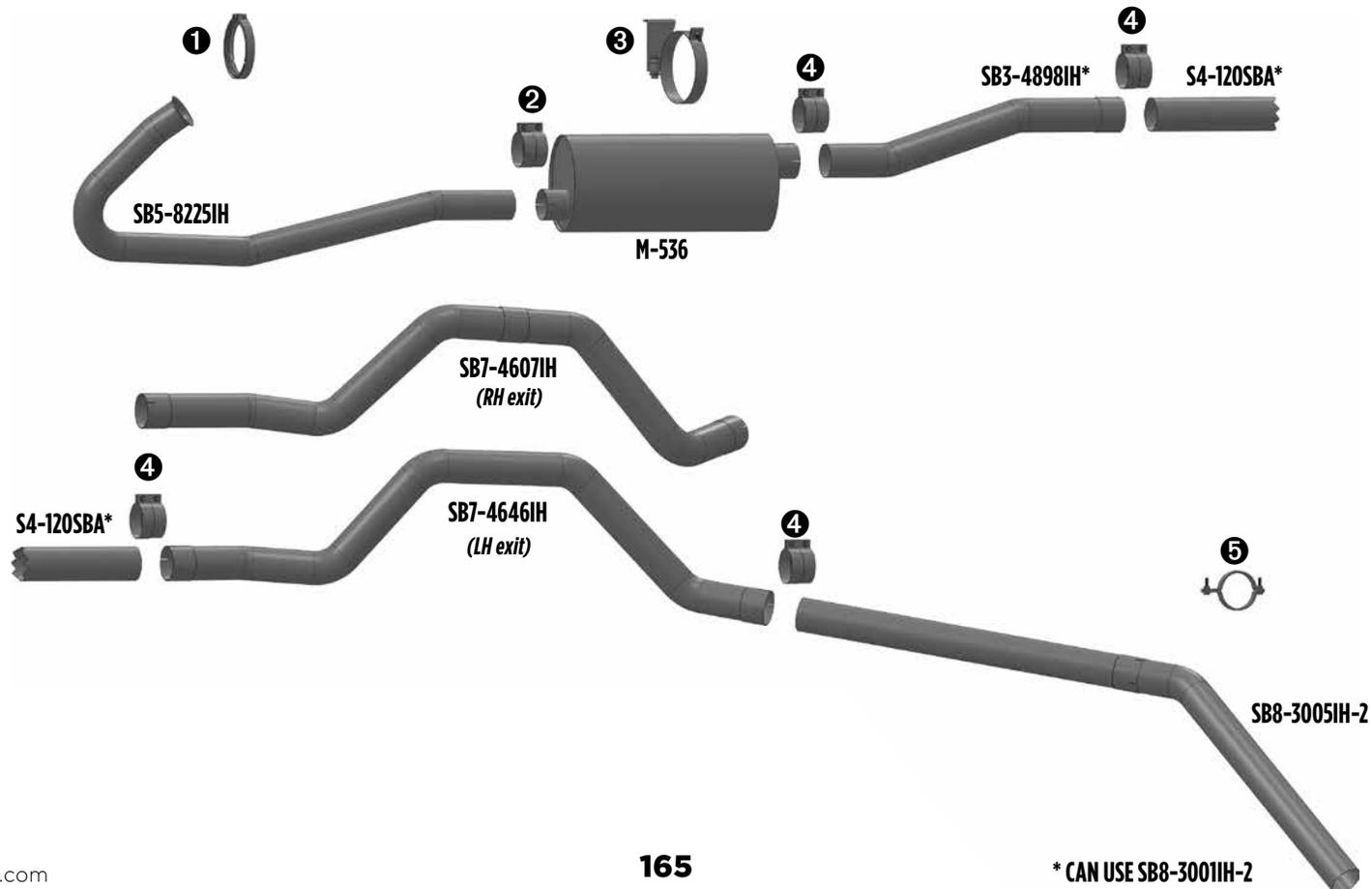
# INTERNATIONAL SCHOOL BUS APPLICATIONS

**INT631 - '87 - '93 6 Cyl. Series "S"; 3700, 3800; DT/DTA466 Diesel Eng.; w/ Mor-Ryde or Vari-Rate Susp.; exc. Allison MTB643 Auto. Trans.; Long Tail Pipe - Left Side Exit**

**'87 - '93 6 Cyl. Series "S"; 3700, 3800; DT/DTA466 Diesel Eng.; w/o Air Susp.; exc. Allison MTB643 Auto. Trans.; Long Tail Pipe - Right Side Exit**

**Clamps**

- ① VB-350I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

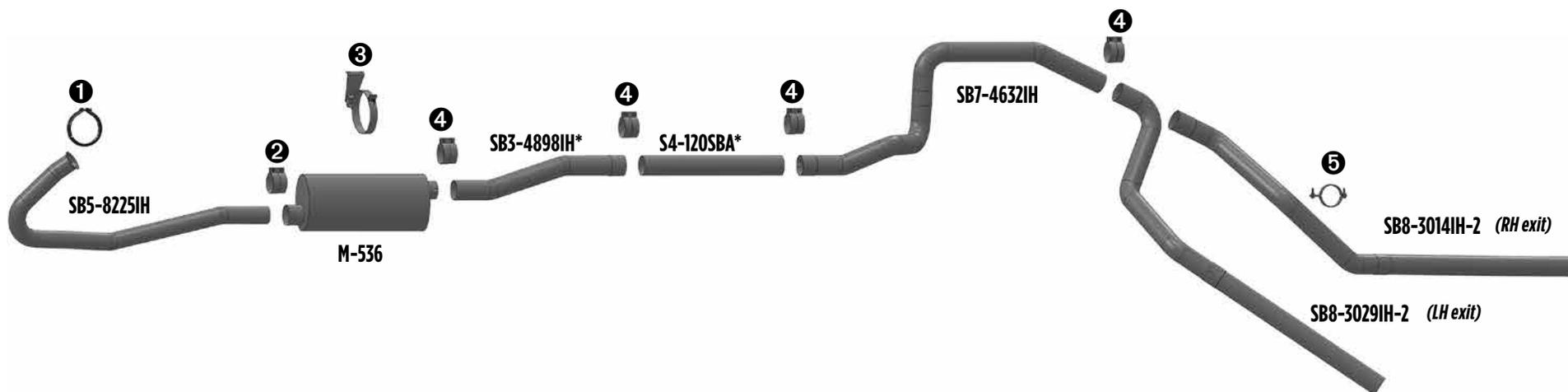


**INT632 - '87 - '93 6 Cyl. Series "S"; 3700, 3800; DT/DTA466 Diesel Eng.; w. Air Susp.; exc. Allison MTB643 Auto. Trans.; Long Tail Pipe - Right Side Exit**

**Clamps**

- ① VB-350I
- ② WFC-35SS
- ③ H-IHM6
- ④ WFC-4SS
- ⑤ H-IHP5

**'87 - '93 6 Cyl. Series "S"; 3700, 3800; DT/DTA466 Diesel Eng.; w. Air Susp.; Long Tail Pipe - Left Side Exit**

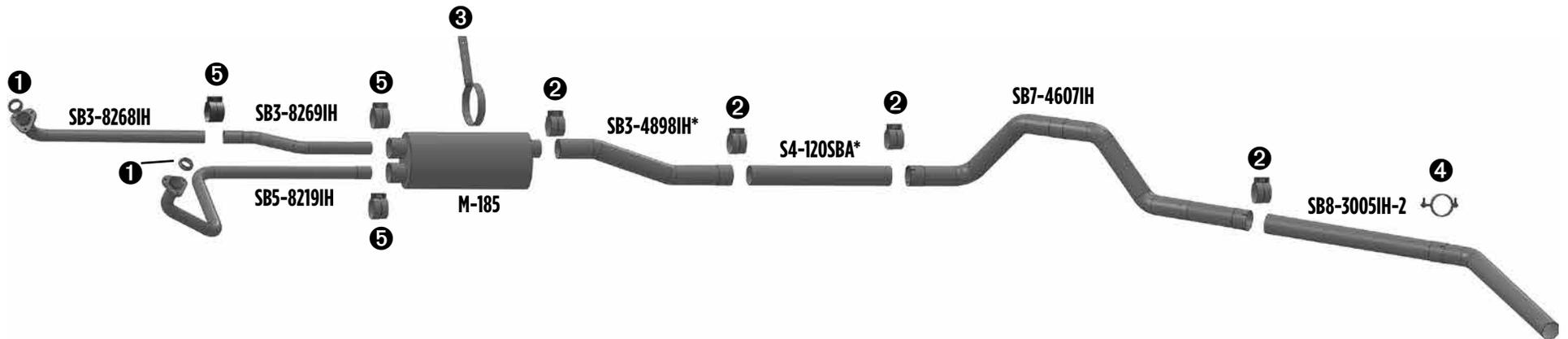


# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT633 - '80 - '89 8 Cyl. Model 1853; 9.0L Diesel Eng.

### Clamps

- ① G-IH3
- ② WFC-4SS
- ③ OMH-8511
- ④ H-IHP5
- ⑤ PF-275SS

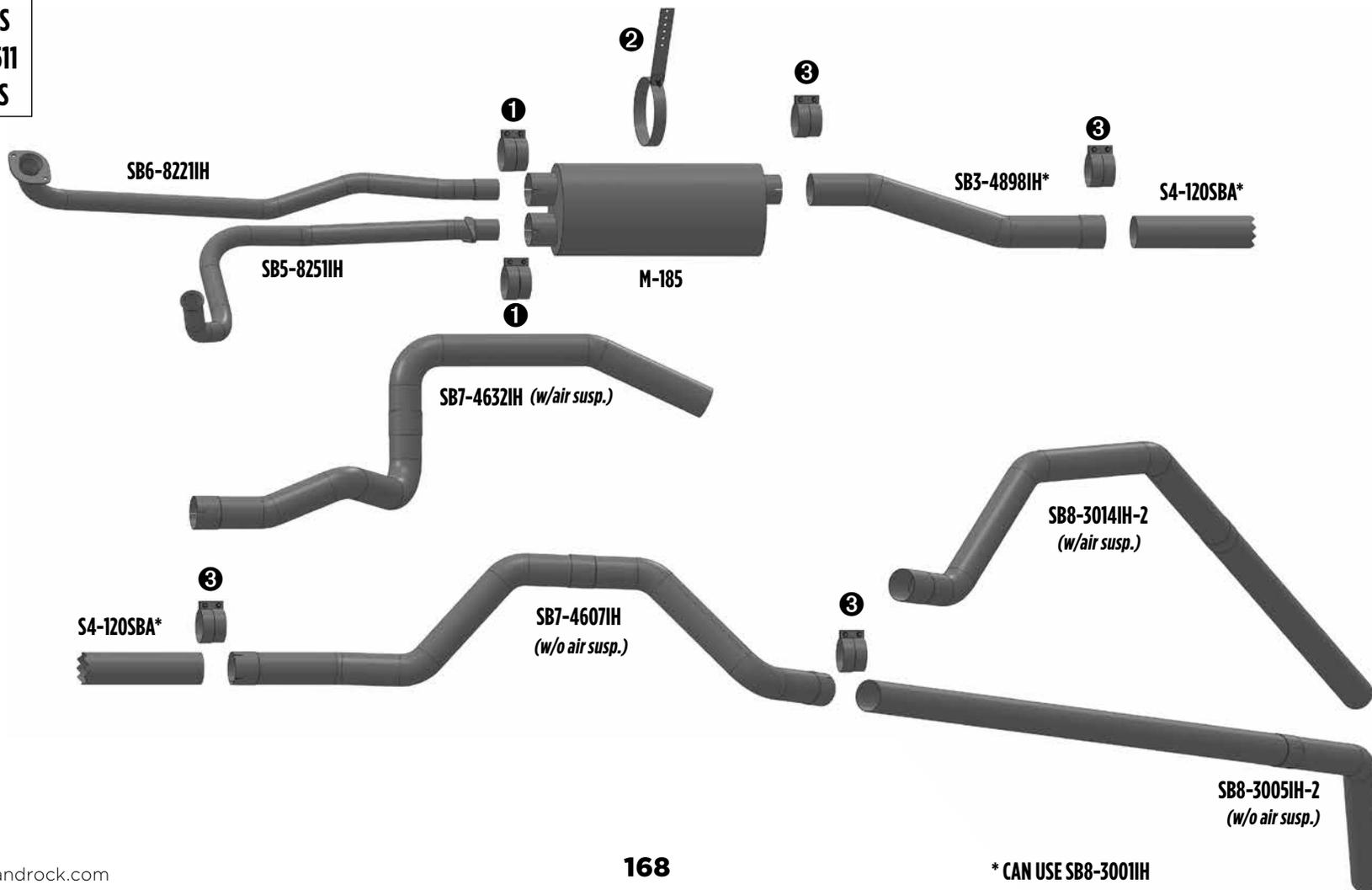


## INT634 - '83 - '88 8 Cyl. Series "S"; 6.9L Diesel Eng.; w/o Air Susp.; RH Mounted Tail Pipe

## '83 - '88 8 Cyl. Series "S"; 6.9L Diesel Eng.; w Air Susp.; RH Mounted Tail Pipe

### Clamps

- ① PF-275SS
- ② OMH-8511
- ③ WFC-4SS



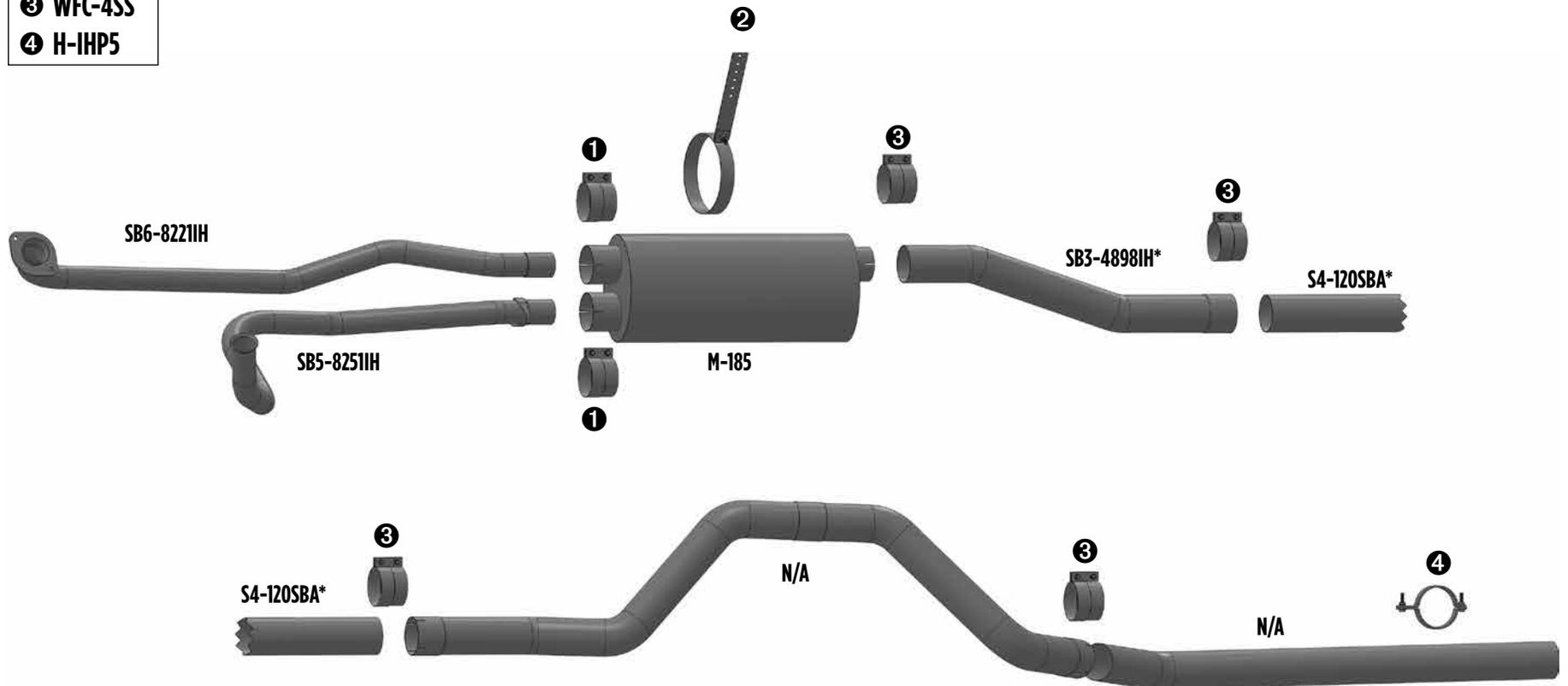
# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT635 - '83 - '88 8 Cyl. Series "S"; 6.9L Diesel Eng.; w/o Air Susp.; LH Mounted Tail Pipe

## '83 - '88 8 Cyl. Series "S"; 6.9L Diesel Eng.; w Air Susp.; LH Mounted Tail Pipe

### Clamps

- ❶ PF-275SS
- ❷ OMH-8511
- ❸ WFC-4SS
- ❹ H-IHP5



\* CAN USE SB8-3001IH

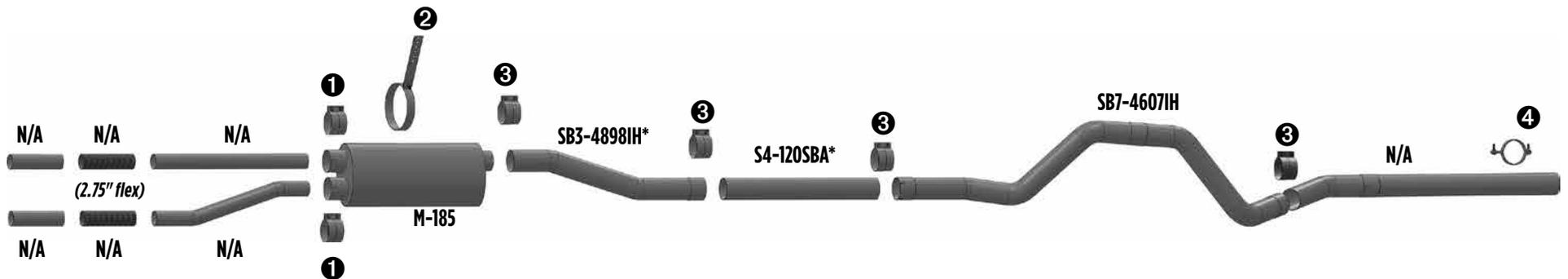
Many parts can be made available upon request. Certain restrictions, product availability, pricing, lead time and other variables exist. Please contact us for more information on these parts.

# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT636 - '80 - '87 8 Cyl. Model 1853; w/ 3208 Eng.

### Clamps

- ① PF-275SS
- ② OMH-8511
- ③ WFC-4SS
- ④ H-IHP5



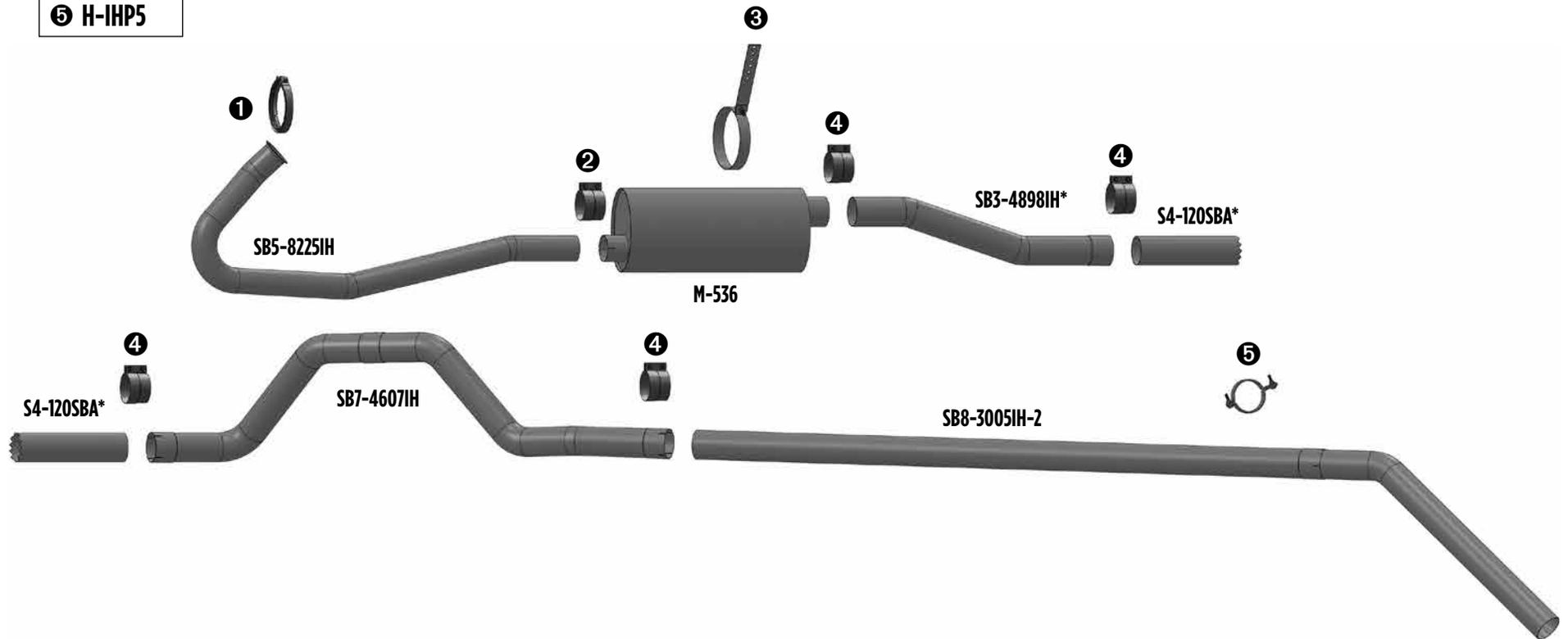
\* CAN USE SB8-3001IH

# INTERNATIONAL SCHOOL BUS APPLICATIONS

## INT637 - '79 - '87 6 Cyl. Model 1853; DT466 Diesel Eng.

### Clamps

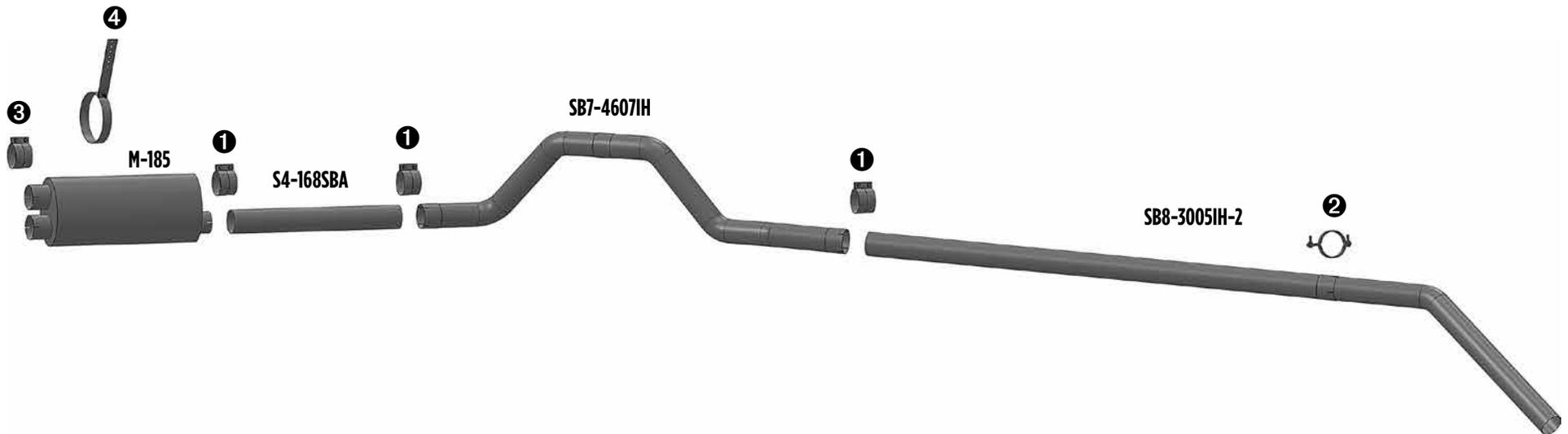
- ① VB-350I
- ② WFC-35SS
- ③ OMH-851I
- ④ WFC-4SS
- ⑤ H-IHP5



## INT638 - 1979 8 Cyl. Models D150, D170, D190 After 1-10-79 (exc. Aux. Spicer 4 Speed Transmission Code 13552); 152", 170", 193", 218", 236", 254" & 276" W.B.

### Clamps

- ① WFC-4SS
- ② H-IHP5
- ③ PF-275SS
- ④ OMH-8511



# INTERNATIONAL SCHOOL BUS APPLICATIONS

## UNIVERSAL NEW PARTS 2013

	GRAND ROCK PART NO.	OE PART NO.	DESCRIPTION	2 PIECE PIPE 2nd PART NEEDED
	SB12-0990IH	3580990C1	4" X 141.5" OD/OD PIPE	
	SB3-4504IH	2004504C1	86-94 SCHOOL BUS AND MEDIUM DUTY TRUCK TURBO PIPE; 3.5" 2 BEND TURBO PIPE 86 AND UP DT 466 MEDIUM DUTY TRUCK/ 91 TO 94 DT 466 SCHOOL BUS	
	SB3-5589IH	3815589C1	07 AND UP IH IC REAR ENGINE TAILPIPE 6" S.S.; 6" ALZ. 2 BEND W/HANGER & CLAMP; ID/OD	



# **THOMAS SCHOOL BUS APPLICATIONS**

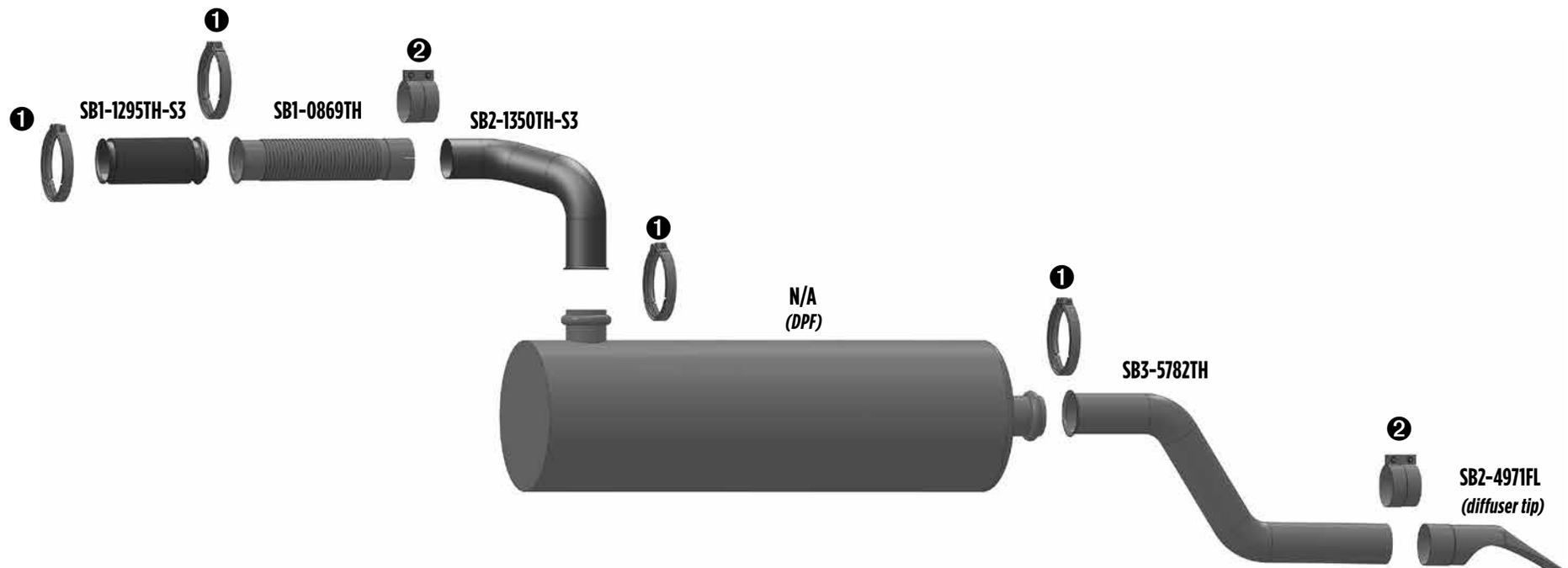
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**GRAND  
ROCK**

## TH696 - '07 - '10 6 Cyl. Thomas Rear Engine Pusher w/ Mercedes MBE07 Engine w/ DPF

### Clamps

- ① VB-460MB
- ② WFC-4SS

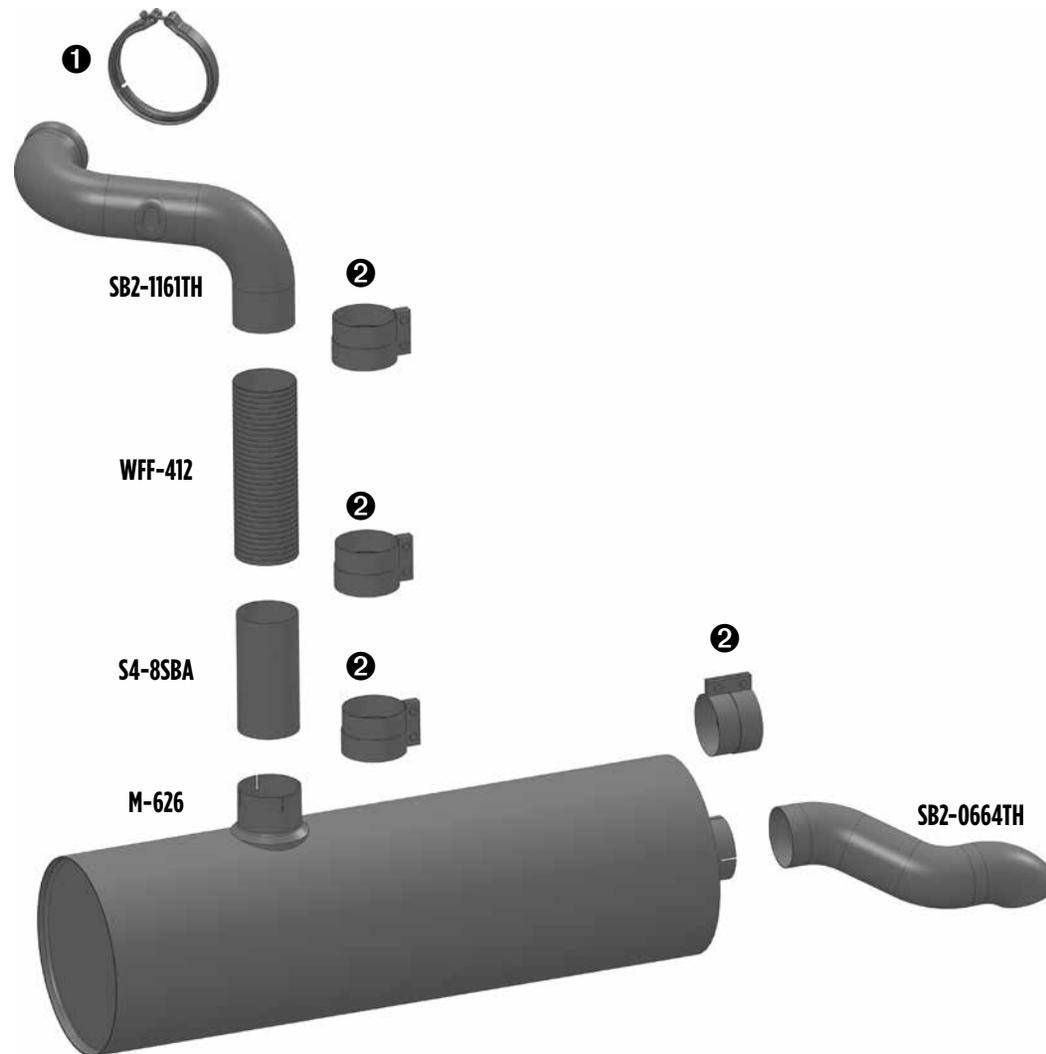




## TH699 - '03 - '07 6 Cyl. Thomas Pusher w/ Mercedes Diesel Engine, SAF-T-LINER

Clamps

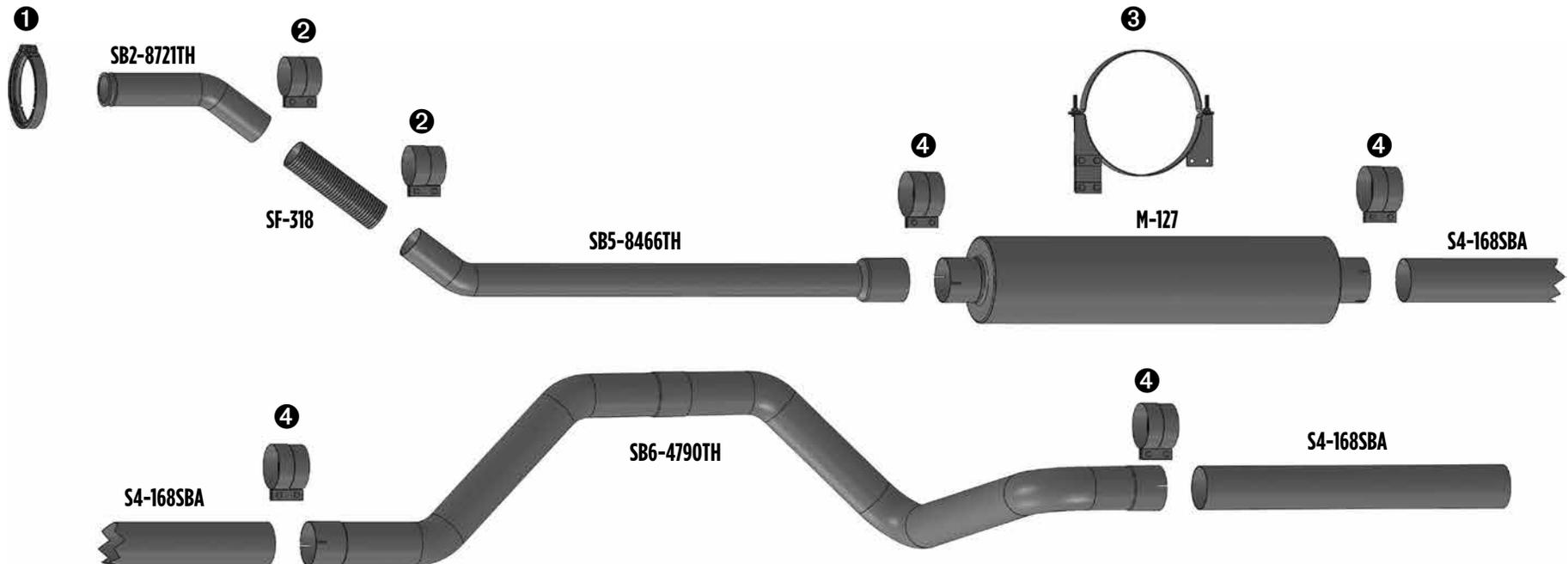
- ① VB-461D
- ② WFC-4SS



## TH700 - '98 - '02 6 Cyl. Thomas MVP E-F, B-Series Cummins Engine Forward

### Clamps

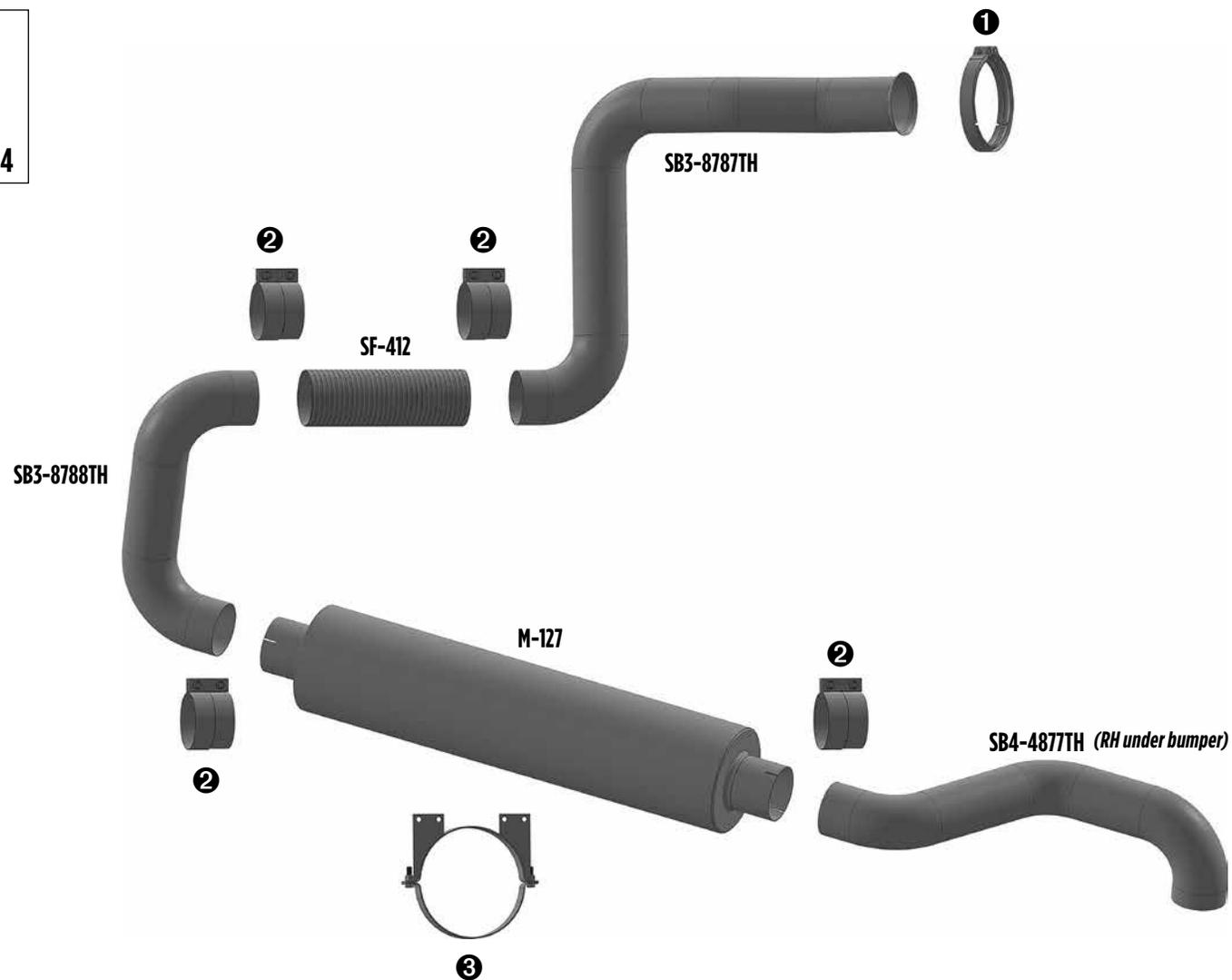
- ❶ VB-321C
- ❷ WFC-3SS
- ❸ H-THM1
- ❹ WFC-4SS



## TH701 - '98 - '01 6 Cyl. Thomas Pusher 3126 Cat. Eng.

### Clamps

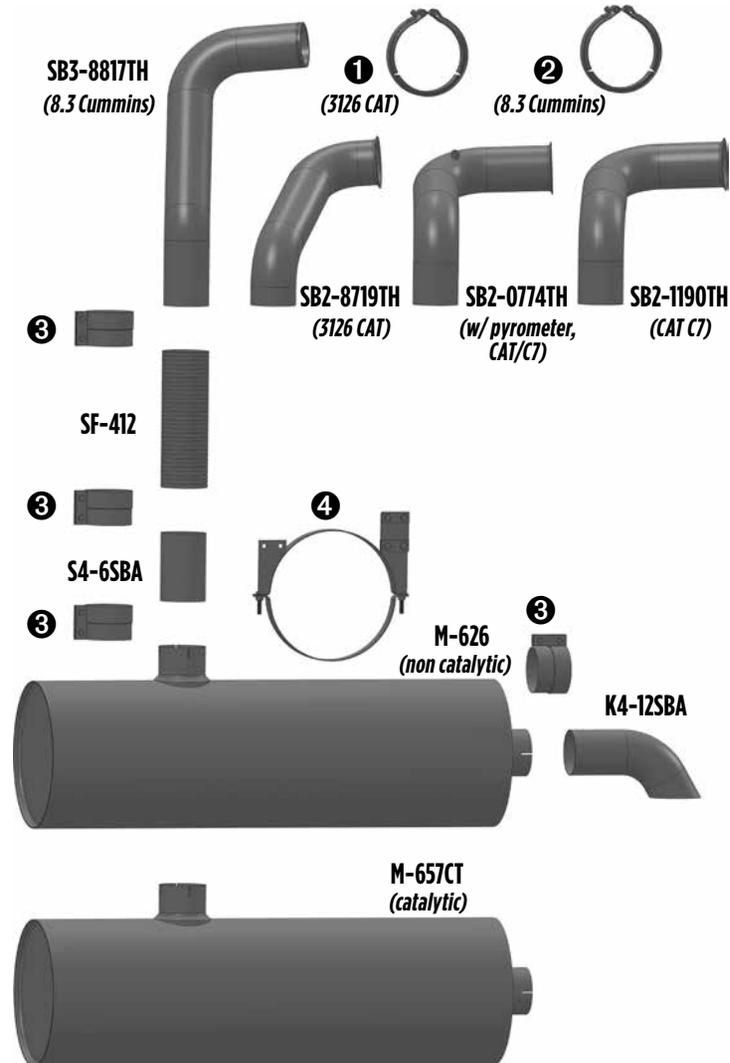
- ① VB-461D
- ② WFC-4SS
- ③ H-THM0514



## TH702 - '98 - '01 6 Cyl. SAF-T-Liner w/ 3126, C7 CAT Engine, 8.3L Cummins Engine

### Clamps

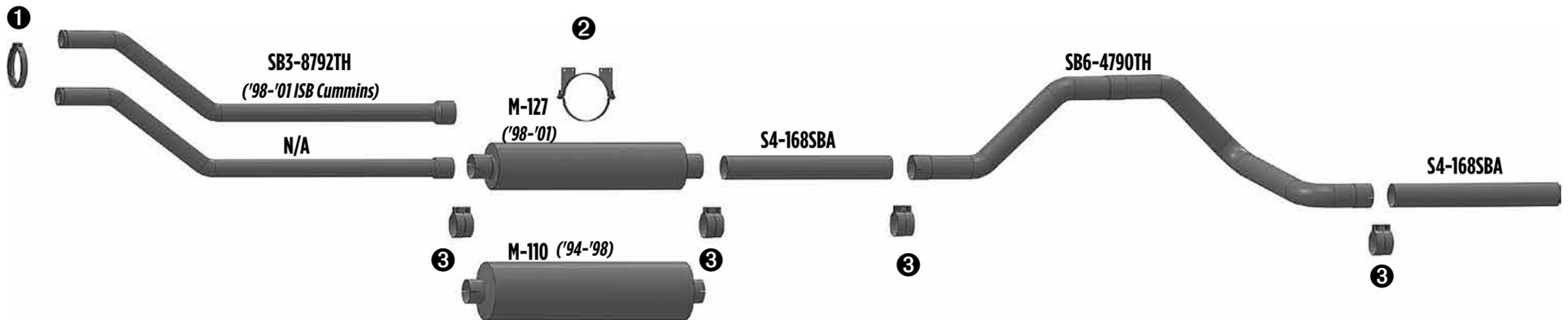
- ① VB-461D
- ② VB-413C
- ③ WFC-4SS
- ④ H-THM2



## TH703 - '94 - '01 6 Cyl. Thomas MVP E-F, B-Series Cummins (Non-Catalytic Muffler)

### Clamps

- ❶ VB-321C
- ❷ H-THM0514
- ❸ WFC-4SS

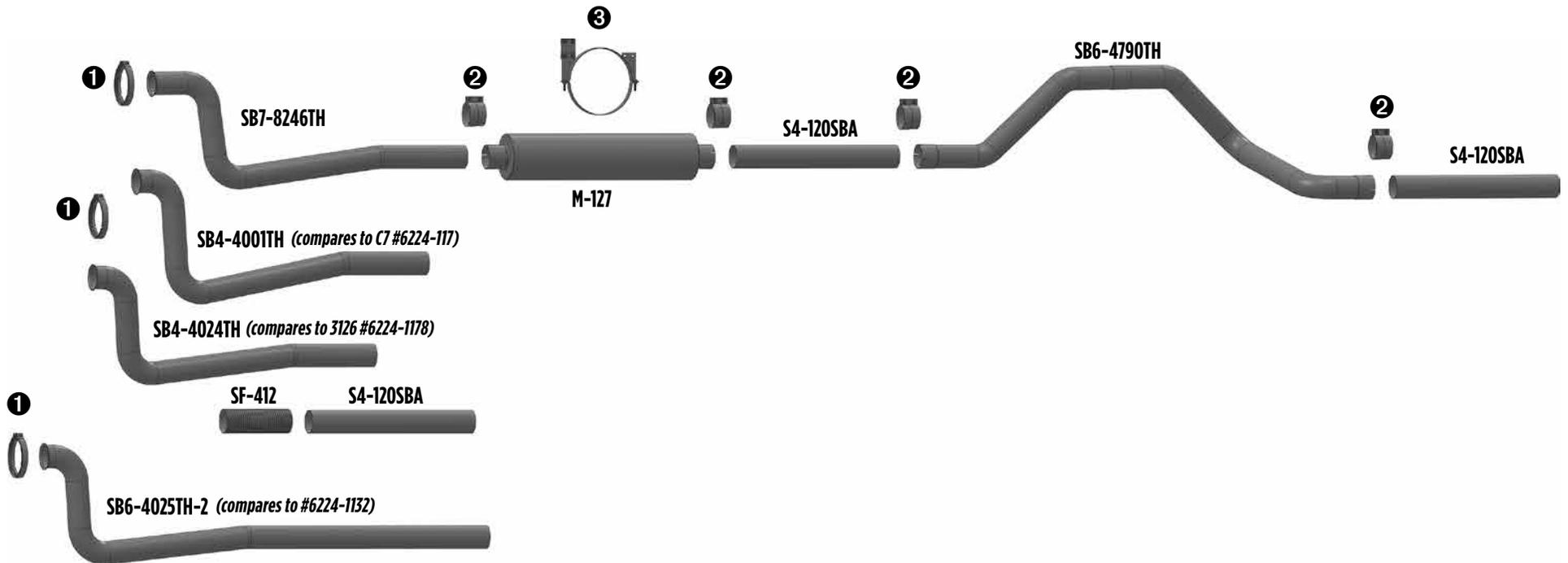


\* SEE PAGES 191 & 192 FOR OVER AXLES AND TAILPIPE OPTIONS

## TH704 - '97 - '00 6 Cyl. Thomas MVP E-F, 3126, C7 Caterpillar Engine Forward

### Clamps

- ❶ VB-461D
- ❷ WFC-4SS
- ❸ H-THM1

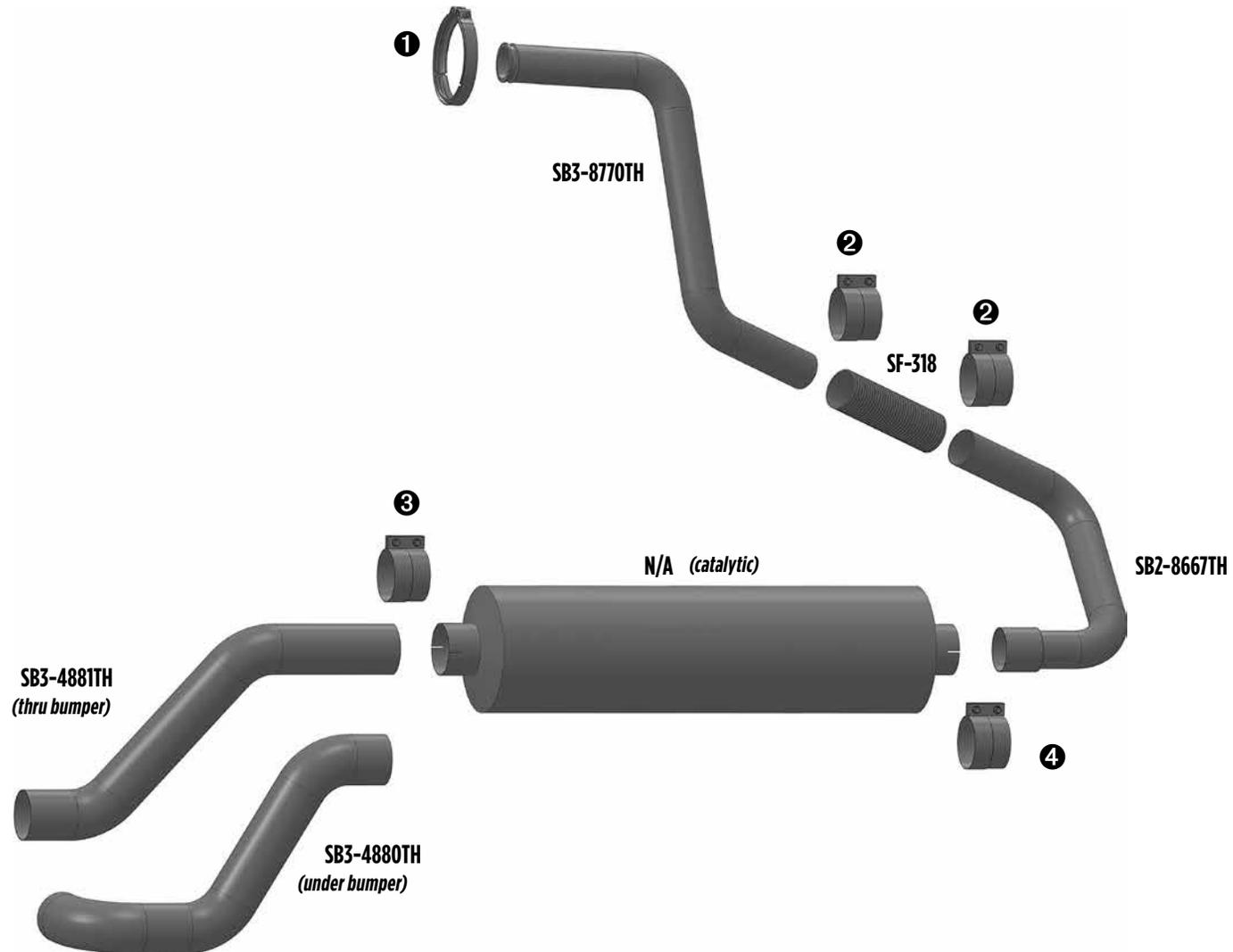


\* SEE PAGES 191 & 192 FOR AIR RIDE OVERAXLES AND SIDE EXIT TAILPIPES.  
 100 GAL. FUEL TANK USE 2 PIECES OVERAXLE PIPES ON PAGES 191 & 192 FOR EASY INSTALLATION

## TH705 - '97 - '98 6 Cyl. MVP-ER Model; w/ 5.9L Cummins Turbo Diesel; Rear Eng.; RH Rear Exit Tail Pipe

### Clamps

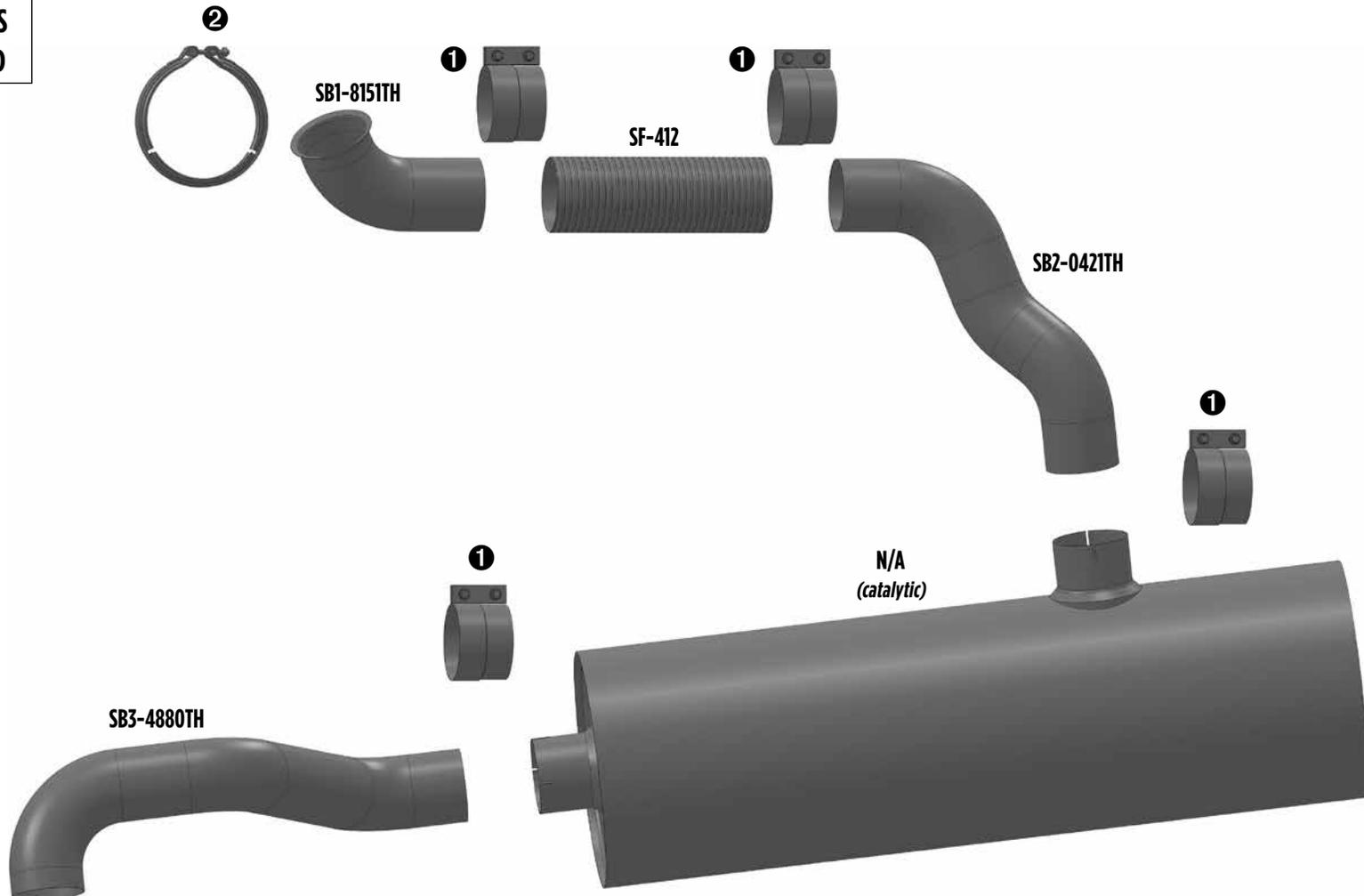
- ① VB-321C
- ② WFC-3SS
- ③ WFC-4SS
- ④ WFC-35SS



## TH706 - '94 - '98 MVP-ER Model w/ CAT 3116 Turbo Diesel Rear Engine RH Below Bumper Exit

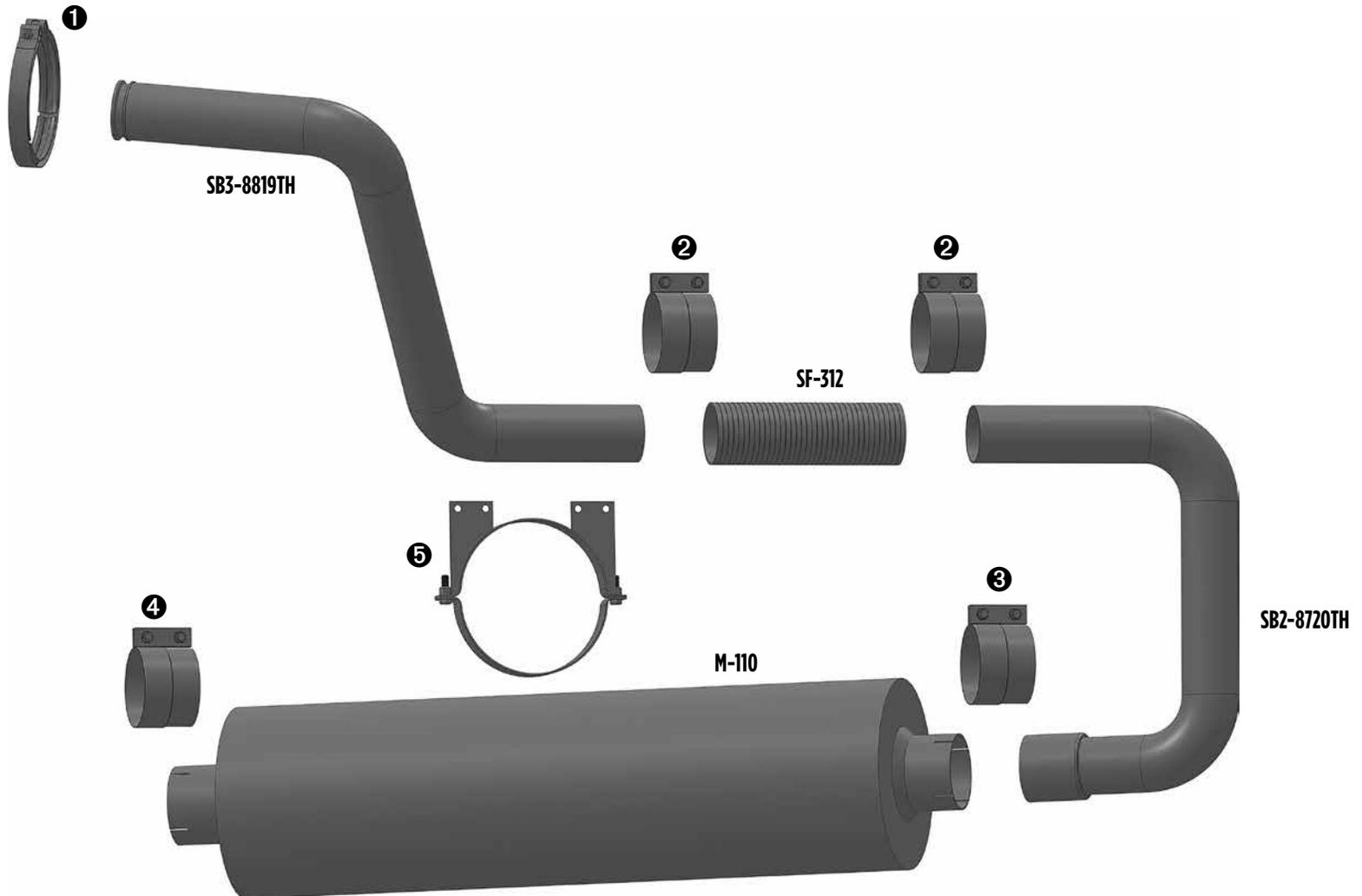
**Clamps**

- ① WFC-4SS
- ② VB-461D



## TH707 - '96 - '98 6 Cyl. Rear Engine Models w/ B-Series Cummins Engine w/ Standard Muffler

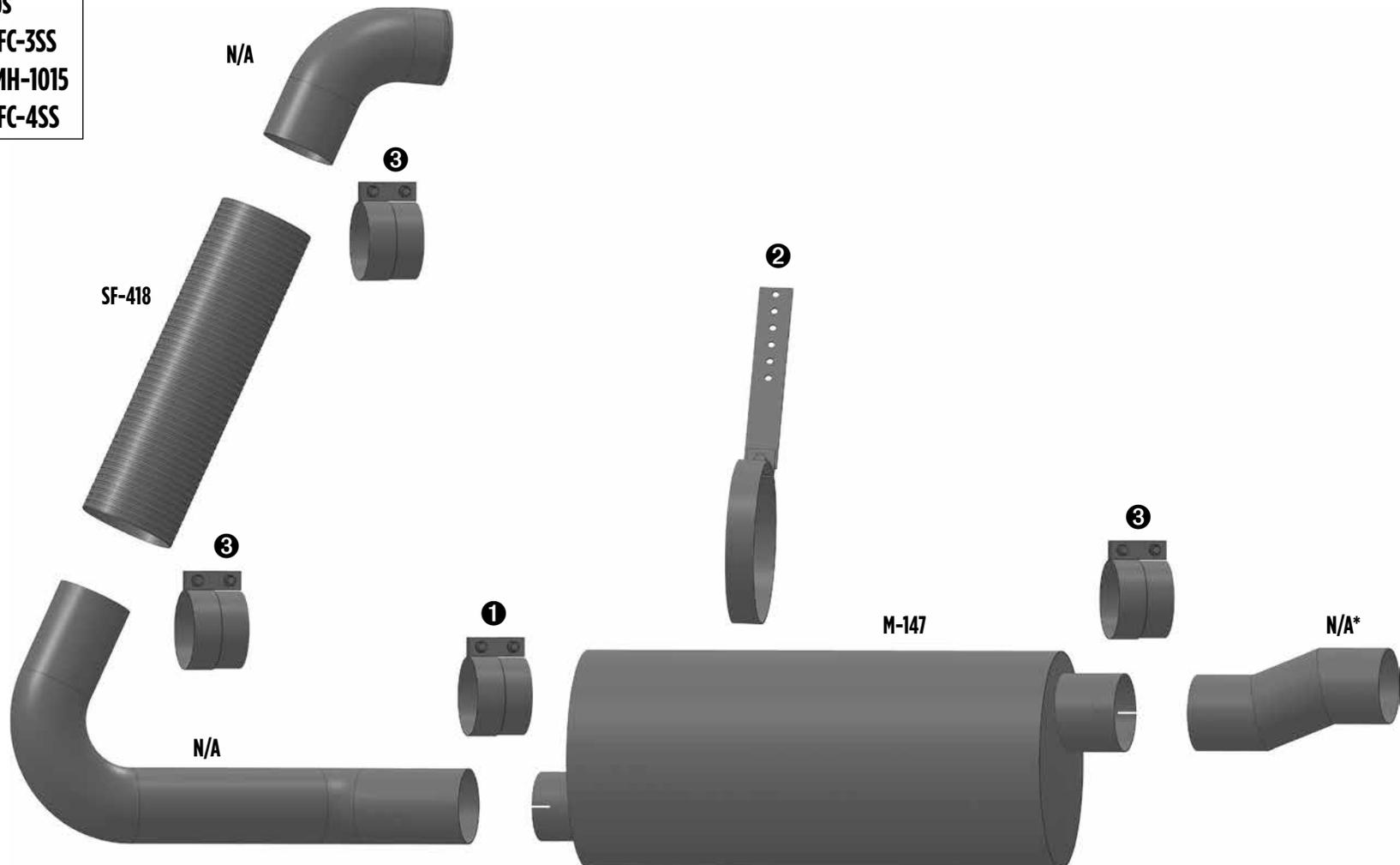
- Clamps
- ① VB-321C
  - ② WFC-3SS
  - ③ WFC-35SS
  - ④ WFC-4SS
  - ⑤ H-THM0514



## TH709 - '90 - '93 6 Cyl. Saf-T-Liner w/ 6V92 Rear Engine Model; Rear Exit Tail Pipe

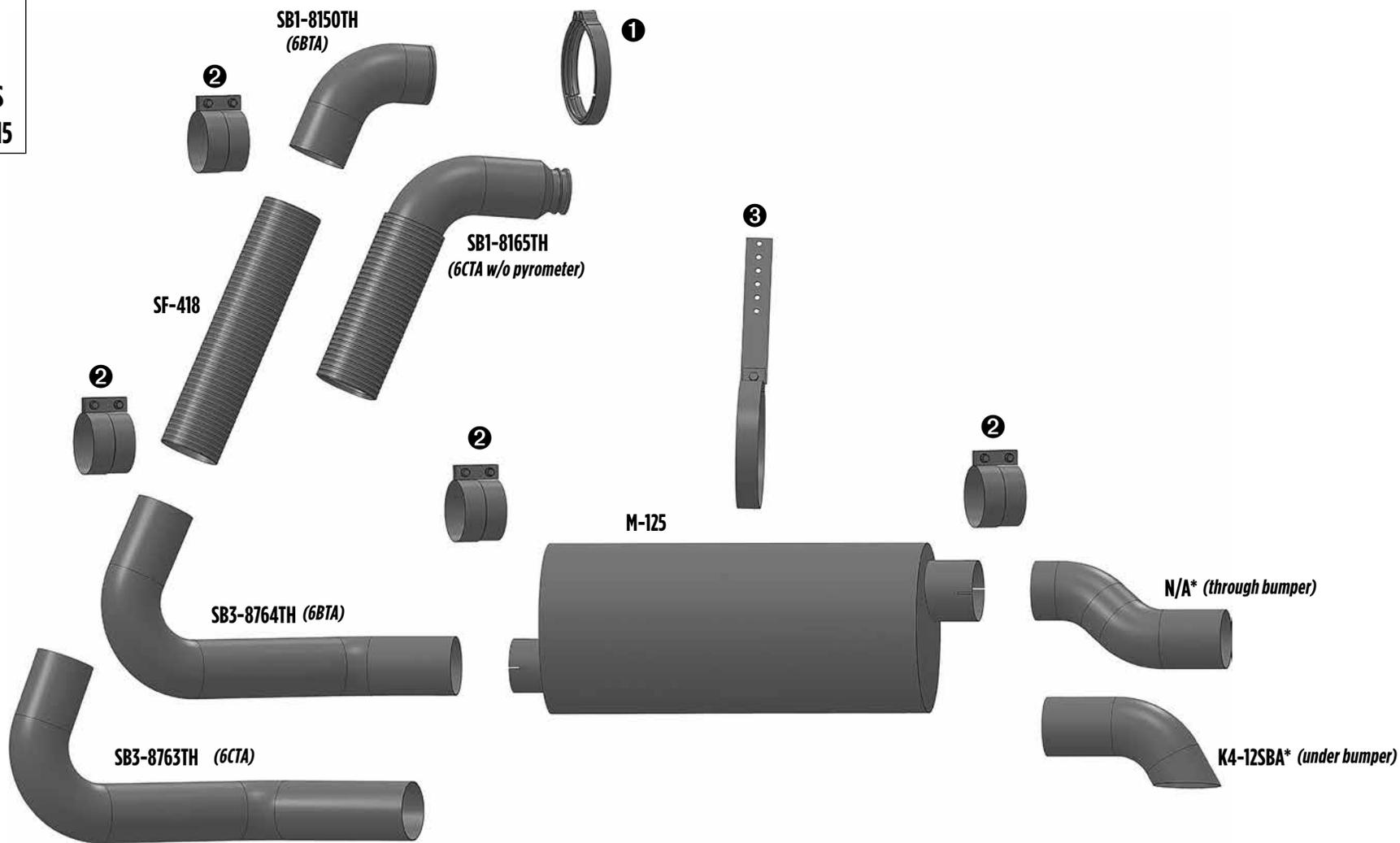
**Clamps**

- ❶ WFC-3SS
- ❷ OMH-1015
- ❸ WFC-4SS



## TH710 - '89 - '93 6 Cyl. All models w/ Cummins 6BTA, 6CTA; Rear Eng.; Rear Exit Tail Pipe

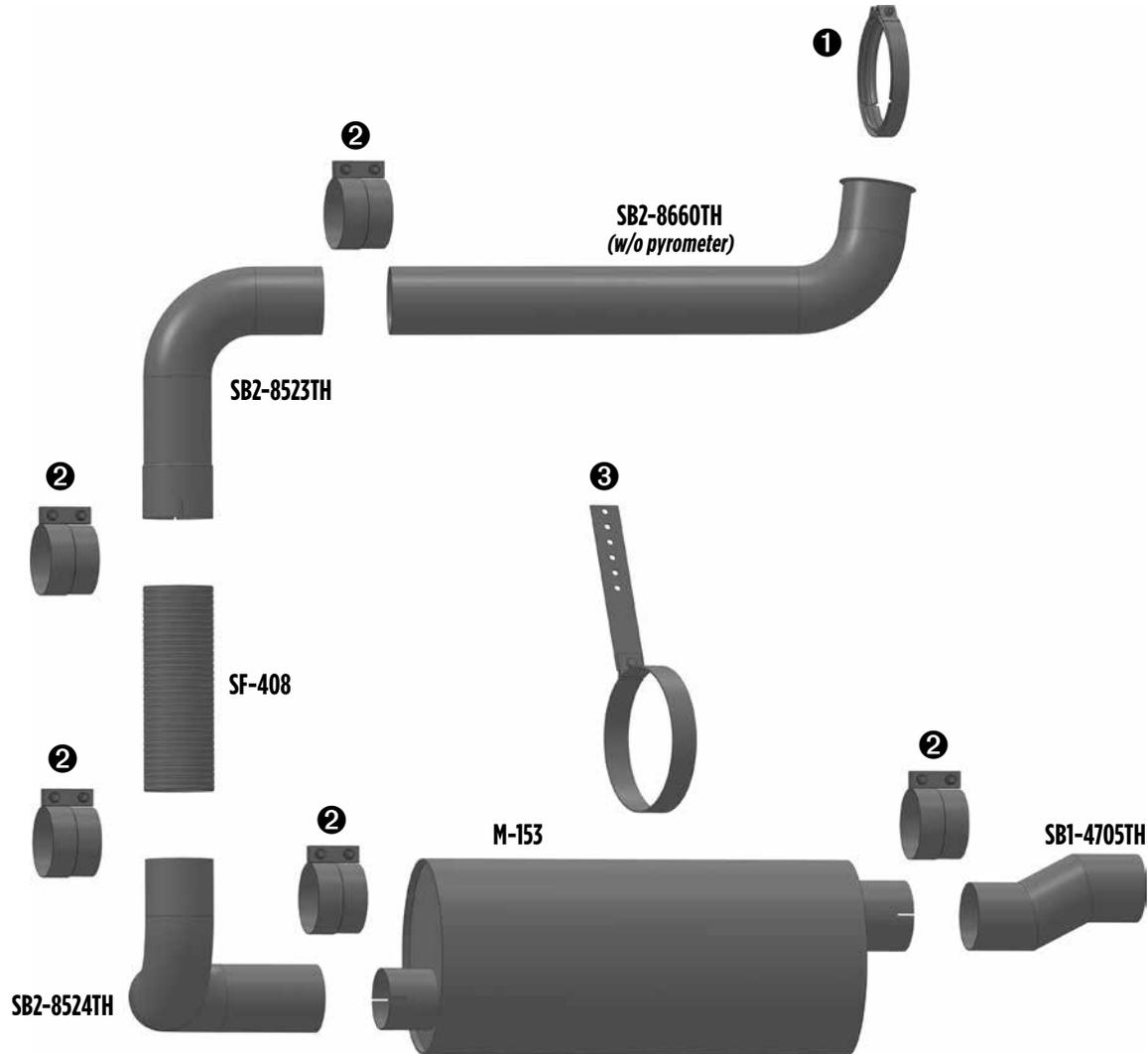
- Clamps**
- ① N/A
  - ② WFC-4SS
  - ③ OMH-1015



## TH712 - '89 - '93 8 Cyl. Saf-T-Liner w/ 8.2L Turbo Diesel; Rear Eng. Model; Rear Exit Tail Pipe

### Clamps

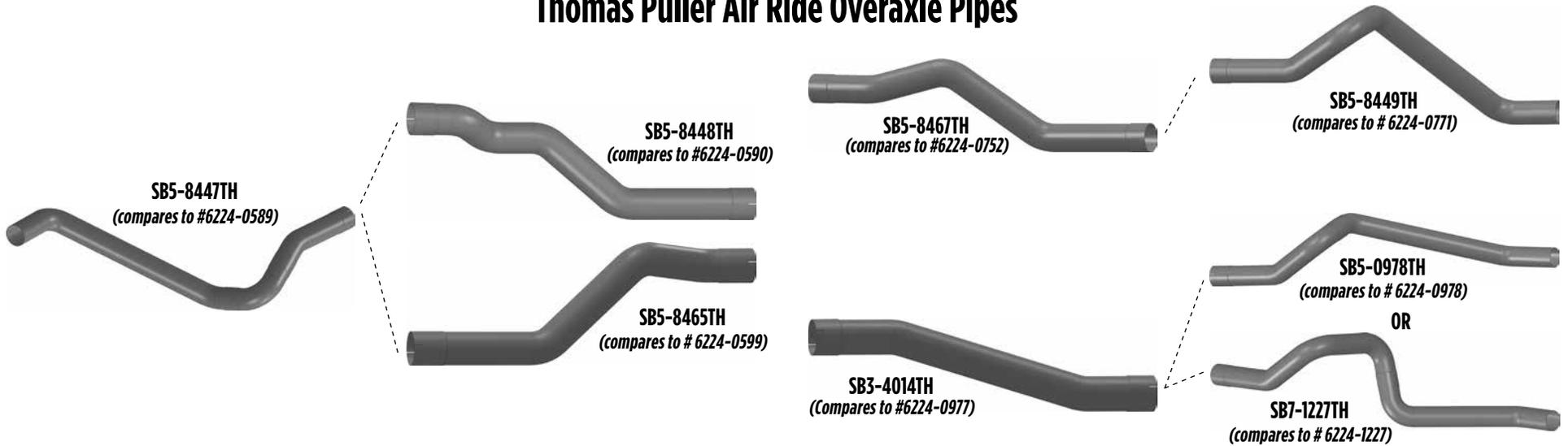
- ① VB-475D
- ② WFC-4SS
- ③ OMH-8511



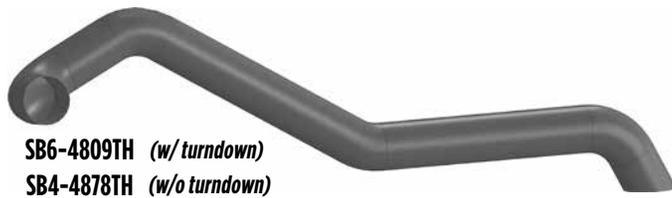
## UNIVERSAL NEW PARTS 2013

	GRAND ROCK PART NO.	OE PART NO.	DESCRIPTION	2 PIECE PIPE 2nd PART NEEDED
	SB1-0794TH	6224-0794	THOMAS TAILSPOUT 6 CG ER TRANSIT	
	SB2-0324TH	6224-0324	THOMAS 4" 2 BEND OD/OD PIPE EXTENSION PIPE 8.2L DDA; 4" 2 BEND OD/OD PIPE	
	SB10-0954TH-2	6224-0954	THOMAS PULLER TROUGH BUMPER TAILPIPE CUT TO FIT	S4-80EXA WFC-4A

## Thomas Puller Air Ride Overaxle Pipes



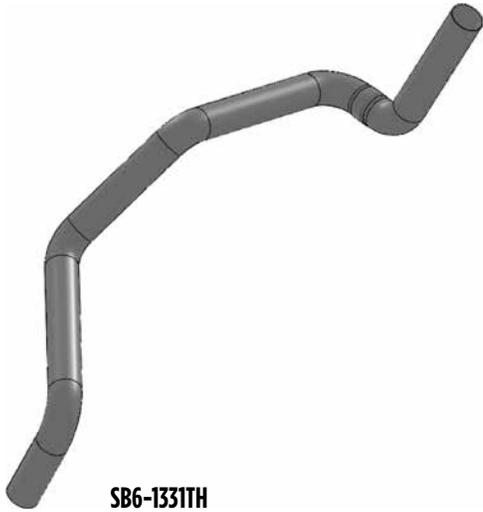
## Thomas MVP 4" Side Exit Tail Pipe



## Thomas MVP Pusher - Tail Pipe Options



## '07-'10 Thomas Tailpipes Spring Susp. Rear Over Axle



**SB6-1331TH**  
*(compares to # 131331)*



**SB7-8300TH**  
*(compares to # 138300)*

# NUMERICAL LISTING



PART NO.	DESCRIPTION	PAGE
39392-L	5" MARMON FLARE, 3" LONG	47
39659-L	MARMON FLARE, 3" LONG	47
39660-L	4" X 3" ID BEAD SS	47
3M-121L6	TYPE 3 5" 6" 10" X 15" 44" 48" 3" /12 3" /6 6"	40
3M-899	TYPE 3 5" 5" 12" 35" 39"	40
41967-L	MARMON FLANGE, 3" LONG	47
41968-L	MARMON FLANGE	47
42315-L	MARMON FLANGE, 3" LONG	47
7M-599	5" 5" / 5" 9" 30" 34" CTR 22.5" /12&6	41
7M-7185	5" 5" / 5" 8" X 20" 29" 32" CTR 23" /9&3 FL	41
AD-311MF	TURBO&MANIFOLD	17
AD-411MF	TURBO&MANIFOLD	17
AS-25A	5" ACCUSEAL CLAMP-ALZ	26
AS-35A	3.5" ACCUSEAL CLAMP-ALZ	26
AS-35SS	3.5" STAINLESS ACCUSEAL CLAMP	26
AS-3A	3" ACCUSEAL CLAMP- ALZ	26
AS-3SS	3" STAINLESS ACCUSEAL CLAMP	26
AS-4A	4" ACCUSEAL CLAMP-ALZ	26
AS-4SS	4" DULL STAINLESS ACCUSEAL CLAMP	26
AS-4SSP	4" ACCUSEAL CLAMP SS POLISHED	26
AS-5A	5" ACCUSEAL CLAMP- ALZ	26
AS-5SS	5" DULL STAINLESS ACCUSEAL CLAMP	26
AS-5SSP	5" ACCUSEAL CLAMP SS POLISHED	26
AS-6SSP	6" ACCUSEAL CLAMP SS POLISHED	26
AS-7SSP	7" ACCUSEAL CLAMP SS POLISHED	26
CEMENT	YALE MUFFLER CEMENT 160Z TUBE	58
CN-2258A	CONNECTOR, 2.25" X 8" ID/OD, ALZ	16
CN-28A	CONNECTOR, 2" X 8" ID/OD, ALZ	16
CN-356A	CONNECTOR, 3.5" X 6" ID/OD, ALZ	16
CN-46A	CONNECTOR, 4" X 6" ID/OD, ALZ	16
CN-56A	CONNECTOR, 5" X 6" ID-OD, ALZ	16
CN-66A	CONNECTOR, 6" X 6" ID-OD, ALZ	16
CN-76A	CONNECTOR, 7" X 6" ID/OD, ALZ	16
CN-86A	CONNECTOR, 8" X 6" ID/OD, ALZ	16
CP-2258A	COUPLER, 2.25" X 8" ID/ID, ALZ	16
CP-28A	COUPLER, 2" X 8" ID/ID, ALZ	16
CP-358A	COUPLER, 3.5" X 8" ID/ID, ALZ	16
CP-38A	COUPLER, 3" X 8" ID/ID, ALZ	16
CP-48A	4" ALZ COUPLER, ID/ID	16
CP-58A	5" X 8" ID/ID ALZ COUPLER	16
CP-68A	6" X 8" ID/ID ALZ COUPLER	16
CP-88A	8" X 8" ID/ID COUPLER ALZ	16
D5M	TYPE 1, 10" X 44.5", 4" ID/5" ID, MUFFLER	37
DS-4SS	4" DURA-SEAL CLAMP 409SS	26
DS-5SS	5" DURA-SEAL CLAMP 409SS	26
EZ-225SS	2.25" S.S. EZ SEAL CLAMP	26
EZ-25SS	2.5" S.S. EZ SEAL CLAMP	26
EZ-2SS	2" S.S. EZ SEAL CLAMP	26
EZ-35SS	3.5" S.S. EZ SEAL CLAMP	26
EZ-3SS	3" S.S. EZ SEAL CLAMP	26
EZ-45SS	4.5" S.S. EZ SEAL CLAMP	26
EZ-4SS	4" S.S. EZ SEAL CLAMP	26
EZ-5SS	5" S.S. EZ SEAL CLAMP	26
EZ-6SS	6" S.S. EZ SEAL CLAMP	26
EZ-7SS	7" S.S. EZ SEAL CLAMP	26

PART NO.	DESCRIPTION	PAGE
FB-5ZN	SADDLE CLAMPS	27
FB-6ZN	SADDLE CLAMPS	27
FL-25SS	CLAMP, 2.5" SS POLISHED	26
FL-35SS	CLAMP, 3.5" SS POLISHED	26
FL-3SS	CLAMP, 3" SS POLISHED	26
FL-4SS	CLAMP, 4" SS POLISHED	26
FL-5SS	CLAMP, 5" SS POLISHED	26
FL-6SS	CLAMP, 6" SS POLISHED	26
FL-7P	CLAMP, 7IN	26
FT-5246K	4" 3-BEND OD/FLARE TURBO ALZ	118
G15-2300	2" STD GALV 25' ROLL	51
G15-25120	2.5" STD GALV 10' ROLL	51
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