

DRILL AND BINDING AREA



**EXHAUST  
SYSTEMS**



**Comprehensive  
Product Line Provides  
the Greatest Customer Value!**

COMPREHENSIVE EXHAUST SOLUTIONS



**The Greatest  
Customer Value!**

# Engineered for Easy Installation

No matter what you drive, our catalytic converters have the right combination of precious metals and washcoat technology to solve any emissions problem

## Universal Fit for Custom Jobs

### Universal Fit Converters:

The clear choice for installers with custom jobs that require fabrication and welding.

Aluminized expandable bushings

Aluminized heat shield

Stainless steel body

## Direct-Fit for Easy Installation

### Direct-Fit Converters:

Designed for installers and repair shops that require quick turnaround in the service bay.

- OE-style design and fit, including accessories
- Structural brace for better strength and durability

Thicker, OE-quality flanges

Oxygen sensor fittings

Body and pipe heat shields to match OE

Stainless steel body



**Ultra**  
CATALYTIC  
CONVERTERS

Universal and Direct-Fit for  
**OBDII Vehicles**  
(1996 and Newer)

Designed for aftermarket requirements  
in 49 states and Canada



**STANDARD**  
CATALYTIC  
CONVERTERS

Universal and Direct-Fit for  
**Pre-OBDII Vehicles**  
(1995 and Older)

Designed for aftermarket requirements  
in 49 states and Canada



**CalCat**  
CATALYTIC  
CONVERTERS

Universal and Direct-Fit for  
**California Vehicles**

California Air Resources Board  
(CARB)-compliant

Comply with specific pre-OBDII and OBDII  
aftermarket requirements in the state of California

DRILL AND BINDING AREA

# NAPA® Exhaust Systems Line-Up

Partnered with the world's largest exhaust manufacturer, NAPA offers a complete muffler line-up, as well as universal and direct-fit converters, pipes and accessories.



**NAPA® Quiet-Flow®SS Premium Mufflers**

- Stainless steel materials
- Guaranteed to last for life



**NAPA® Quiet-Flow®SS Premium One-Piece Welded Muffler Assemblies**

- OE-equivalent direct-fit designs
- Unmatched quality and construction



**NAPA® Sound Master Direct-Fit Mufflers**

- Longer life and durable performance
- Competitive price



**NAPA® Sound Master Universal Mufflers**

- Provides installers and DIY customers with economical performance and acoustics



**NAPA® Universal and Direct-Fit Catalytic Converters**

- The **RIGHT** loading of precious metals
- Domestic and import applications



**NAPA® Pre-Bent Pipes**

- A full line of pipes and accessories
- Pipes follow the OE routing to fit right
- Everything needed to do the complete job



# A Wide Selection of Performance Exhaust Products



Offering the widest selection of performance exhaust products, DynoMax® has it all – sound, performance and durability



**DYNOMAX** Mufflers  
Exclusive Valve Technology

**Ultra Flo™ Welded Mufflers**  
100% Welded design for maximum durability



**Cat-Back Exhaust Systems**  
Mandrel-bent pipe for quick, easy customization



**Super Turbo™ Mufflers**  
Patented flow directors channel exhaust flow for maximum power

Performance Exhaust Products



Vintage sound, today's power – a performance staple with hot rod enthusiasts for over 40 years



**Welded™ SS Mufflers**  
Stainless steel for mirror-like finish



**Welded™ Aluminized Mufflers**  
Fully-welded for extended durability



**Hush™ Thrush® Mufflers**  
Improved tri-flow design



**Turbo Mufflers**  
Proven reverse-flow design



**Glasspack Mufflers**  
Stainless steel or painted finish



**Header-Back Systems**  
Unique high-flow design

[www.dynomax.com](http://www.dynomax.com)

[www.thrushexhaust.com](http://www.thrushexhaust.com)

DRILL AND BINDING AREA

# The 5-Digit Numbering System

## How It Works:

Our 5-digit numbering system, combined with color-coded pipe labeling, offers the simplest and most efficient exhaust system parts inventory stocking program available today! The 5-digit system actually dictates where every exhaust system part should be stored, while the pipe color coding aids in inventory storage and "order picking." The system also complies with Automotive Advisors and Council recommendations.

**22325**  
**44870**  
**54002**

First Digit   Second Digit   Third Digit   Remaining Digits

## First Two Digits

The *first two digits* of our 5-digit part numbering system indicate exactly which category a particular part number belongs; for example, a 21000 is a muffler, 35000 numbers are accessories, and 40000 / 50000 numbers are pipes.

## Second Digit

For exhaust and tail pipes, the *second digit* also indicates the approximate length of a pipe. A 41000 / 51000 number pipe is no longer than one foot, as indicated by a second digit one (1). A 42000 / 52000 pipe number is longer than one foot, but shorter than two feet, as indicated by a second digit two (2), etc.

## Third Digit

The *third digit* is similarly significant in "H" and "Y" part numbers, only. For example, a 40200 / 50200 pipe is no longer than two feet, while a 40300 / 50300 pipe is no longer than three feet, etc.

## Remaining Digits

The *remaining digits* aid in the sequential stocking of parts within each category.

## Complete Sequence

Following are the specific categories within the 5-digit numbering system:

### Cartonized

**15100 - 16799**

Catalytic Converters, Converter Parts Kits

**17200 - 17799**

Turbo Performance Product

(includes Super Turbo™, Ultra Flo™ Mufflers and Kits)

**18100 - 18180**

Universal Mufflers

**18181 - 18499, 18550 - 18599, 18800 - 18850**

Direct-Fit Mufflers

**21100 - 22799**

Premium Mufflers (up to 40" in length)

**22800 - 22999**

Premium Mufflers (over 40" in length)

**24000 - 24499**

Glasspacks

**28000 - 29999**

Chrome Stack Pipes, Muffler Shields, Cages, Items that require special handling

**31000 - 31999**

Gaskets and Flanges

**33000 - 34299**

Bulk Clamps

**35000 - 35999, 36101 - 36199**

Clamps, Hangers, Brackets, Insulators, Straps and Shields

**36000 - 36100, 36200 - 36999**

Promotional Items

**37000 - 37999**

Jobber Racking

**92000 - 93999**

Ultra Universal Converters

### Uncartonized

**40000 - 40026, 50001 - 50015**

Flexible Tubing

**40050 - 40199, 50050 - 50199**

Premium Mufflers

**40200 - 40999, 50200 - 50999**

"H" and "Y" Pipes, and "Difficult to Stock" Pipes

**41000 - 49999, 51000 - 59999**

Exhaust and Tail Pipes, Straight Tubing and Muffler / Pipe Welded Assemblies

### CalCat Converters

**80000 - 81499**

CalCat Non-OBDI Universal and Direct-Fit Converters

**81500 - 84999**

CalCat OBDI Universal and Direct-Fit Converters

## Color Coding

Color coding is an additional benefit offered by our 5-digit inventory stocking system for pipes. All pipes are labeled with green, yellow, orange or blue tape. The pipe racking sequence is accomplished according to pipe label color and pipe number.

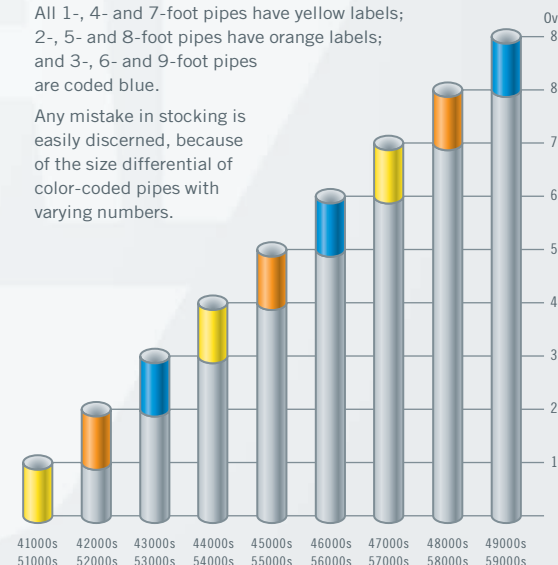
40200	41000	42000	43000
	44000	45000	46000
	47000	48000	49000
40200	51000	52000	53000
	54000	55000	56000
	57000	58000	59000
Green	Yellow	Orange	Blue

## How It Works

• All "H" and "Y" pipes are labeled with green tape, regardless of pipe length (third digit on part number indicates approximate pipe length).

• All exhaust and tail pipes are sequentially labeled with yellow, orange or blue tape, depending on pipe length. All 1-, 4- and 7-foot pipes have yellow labels; 2-, 5- and 8-foot pipes have orange labels; and 3-, 6- and 9-foot pipes are coded blue.

Any mistake in stocking is easily discerned, because of the size differential of color-coded pipes with varying numbers.





DRILL AND BINDING AREA



**EXHAUST  
SYSTEMS**

**Safe & Sound®**

**G U A R A N T E E**

90-Day, Risk-Free Offer. Limited Lifetime Warranty.

**NAPA® is so confident in the quality of its premium exhaust products,  
NAPA backs them with the exclusive Safe & Sound® Guarantee.**



### 90-Day Risk-Free Trial Offer

Try NAPA® premium exhaust products for 90 days. If, for any reason, the qualifying product fails to meet expectations during the trial period, replace the product and Tenneco will refund the original product's purchase price, plus labor (up to \$50 per exhaust system).

### Limited Lifetime Warranty

NAPA warrants qualifying exhaust products against defects and wear-out when used on private passenger cars and light trucks under normal operating conditions for as long as such purchaser owns the vehicle on which they were originally installed, and NAPA continues to offer the warranted product(s).

### Qualifying Products:

NAPA® Quiet-Flow®SS mufflers and NAPA® premium one-piece welded muffler assemblies

DynoMax® VT, Ultra Flo™ SS, Ultra Flo™ Welded and Super Turbo™ performance mufflers



For technical assistance, please call:

49 states and Canada: **1 (800)435-7188**

Monday - Friday, 8:30 am - 5:30 pm EST

California only: **1 (734) 384-7824**

Monday - Friday, 8:30 am - 5:30 pm EST

For additional information about this guarantee, please call:

**1 (734) 384-7898**

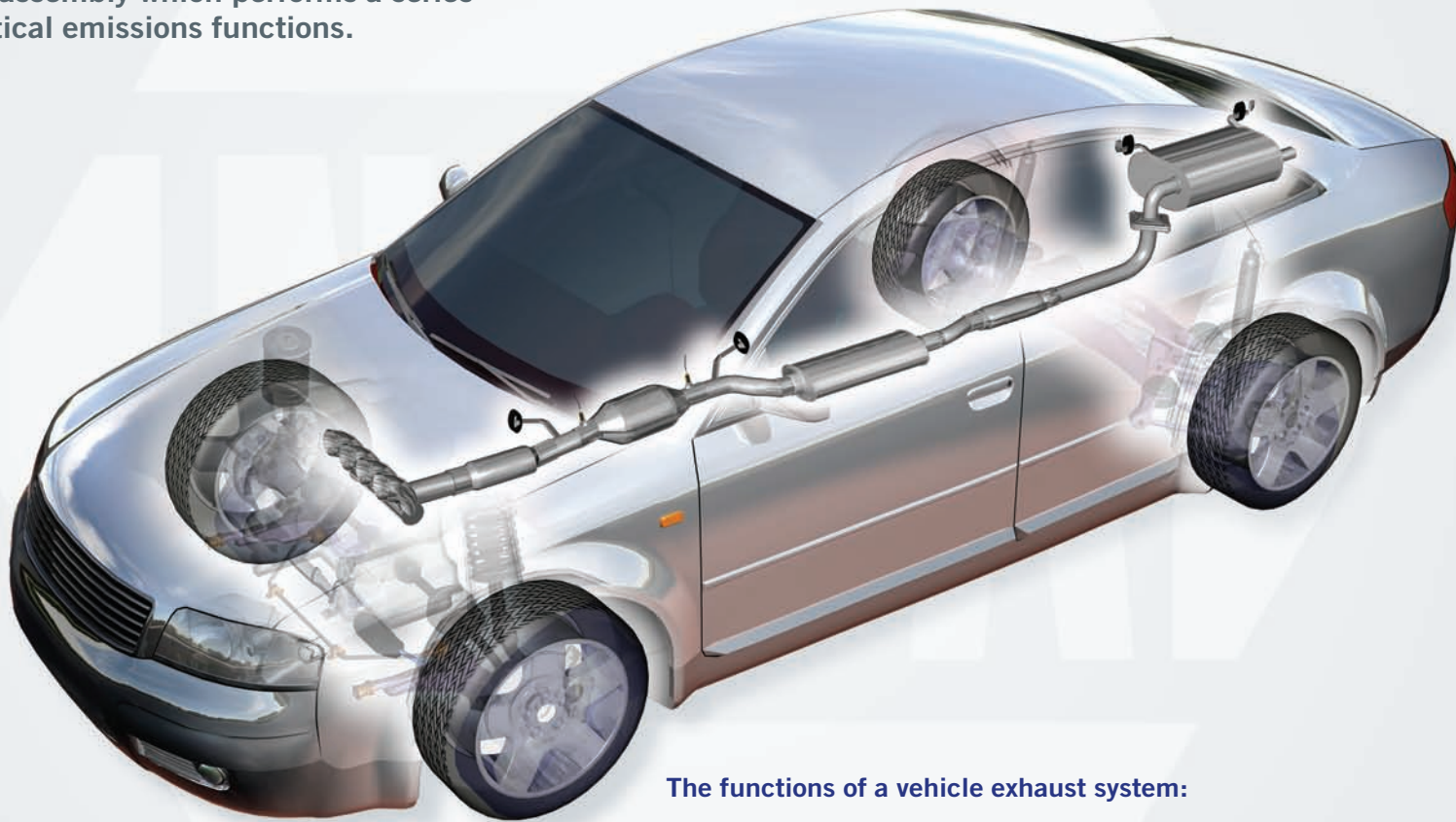
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**Safe & Sound®  
Guarantee**

# What is the Exhaust System?

An exhaust system is a complex automotive parts assembly which performs a series of critical emissions functions.



## The functions of a vehicle exhaust system:

- Carry exhaust gases safely to the rear of the vehicle
- Reduce the engine sound level
- Maintain engine performance
- Reduce harmful emissions through the use of a catalytic converter

# Exhaust System Components

EXHAUST SYSTEM COMPONENTS



Mufflers /  
Muffler Assemblies



Catalytic Converters



Resonator  
Assemblies



Intermediate Pipe



Exhaust Pipe /  
Flex-Pipe



Tailpipe



Flanges / Gaskets



Clamps / Hangers /  
Accessories



Manifold /  
Performance Exhaust



Y-Pipe



H-Pipe



Crossover Pipe

Exhaust System  
Components



# Why Exhaust Systems Wear Out

**Most exhaust system deterioration occurs primarily from the inside out.**

The exhaust system is one of the very few parts on a vehicle that continues to wear even though the engine is not running and the vehicle is stopped.



**Many factors can affect the life of a vehicle's exhaust system.**

- Uncontrolled environment (weather, temperature, road condition)
- Vehicle usage
- Condition of exhaust components within the system
- Manufacturer's materials

**A major cause of failure for exhaust system parts is internal corrosion.**

- Acidic moisture is produced by the combustion of air and gasoline
- Acid build-up occurs when the engine and exhaust system don't have a chance to fully warm up
- Because these acids are in contact with the inside of the exhaust system, the deterioration of these parts occurs primarily from the inside out



# Reasons to Suggest Exhaust System Replacement

Many wear factors mandate exhaust system replacement to control harmful emissions and maintain safe vehicle operation.

**Wear defects requiring vehicle exhaust system replacement include:**

- Pipe leaking
- Body shell distorted, affecting performance or structural integrity
- Corrosion hole
- Missing component(s)
- Cracked or broken mounting brackets
- Puncture (other than a drain hole)
- Rattling or knocking noise from muffler
- Open or split seams (exhaust leaking)
- Leaking flexible couplers
- Plugged converter



Reasons to  
Replace System



Replacement  
Suggestion

SYSTEM REPLACEMENT SUGGESTION

# Reasons to Suggest Exhaust System Replacement



- Part is close to the end of its useful life\*
- Address a customer need, convenience or request (eliminate noise, performance upgrade, etc.)
- Comply with maintenance recommended by the vehicle's Original Equipment Manufacturer (OEM)

- A technician's recommendation, based on substantial and informed experience\*

- Weak due to corrosion, but no leaks present
- Corroded, affecting structural integrity
- Outer wrap peeling

\* Refer to MAP  
Uniform Inspection Guidelines



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# The Power of Stainless Steel

## NAPA® Quiet-Flow®SS

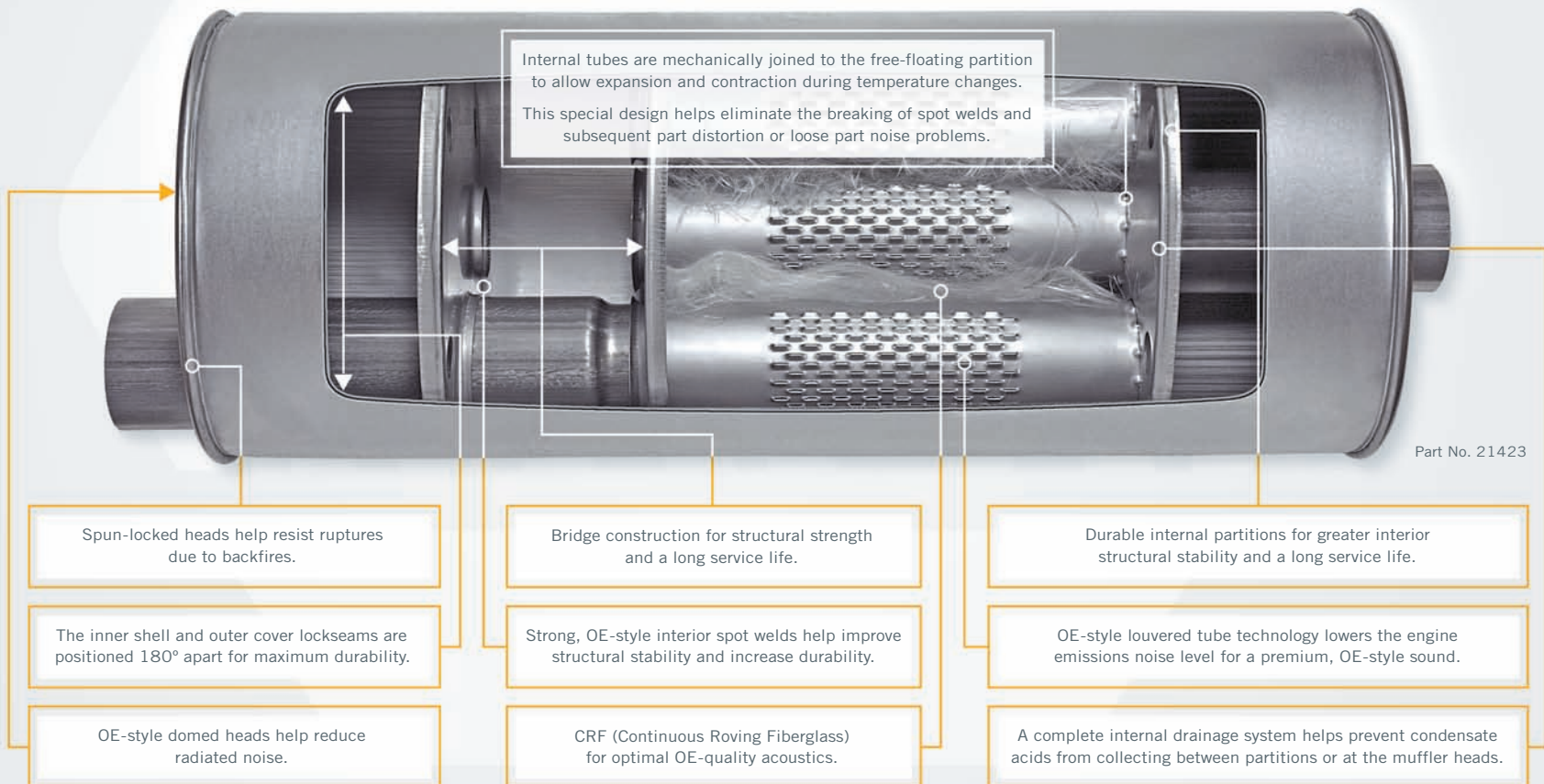
100% Structural Stainless Steel construction resists rust-out three times longer than competitors' premium aluminized mufflers.



**Safe & Sound®**

**GUARANTEE**

90-Day, Risk-Free Offer.  
Limited Lifetime Warranty.



**NAPA®**  
**Quiet-Flow®SS**

# One-Piece Welded Muffler Assemblies for Domestic and Import Brand Vehicles

NAPA® premium one-piece welded muffler assemblies offer quality construction that the competition cannot match.

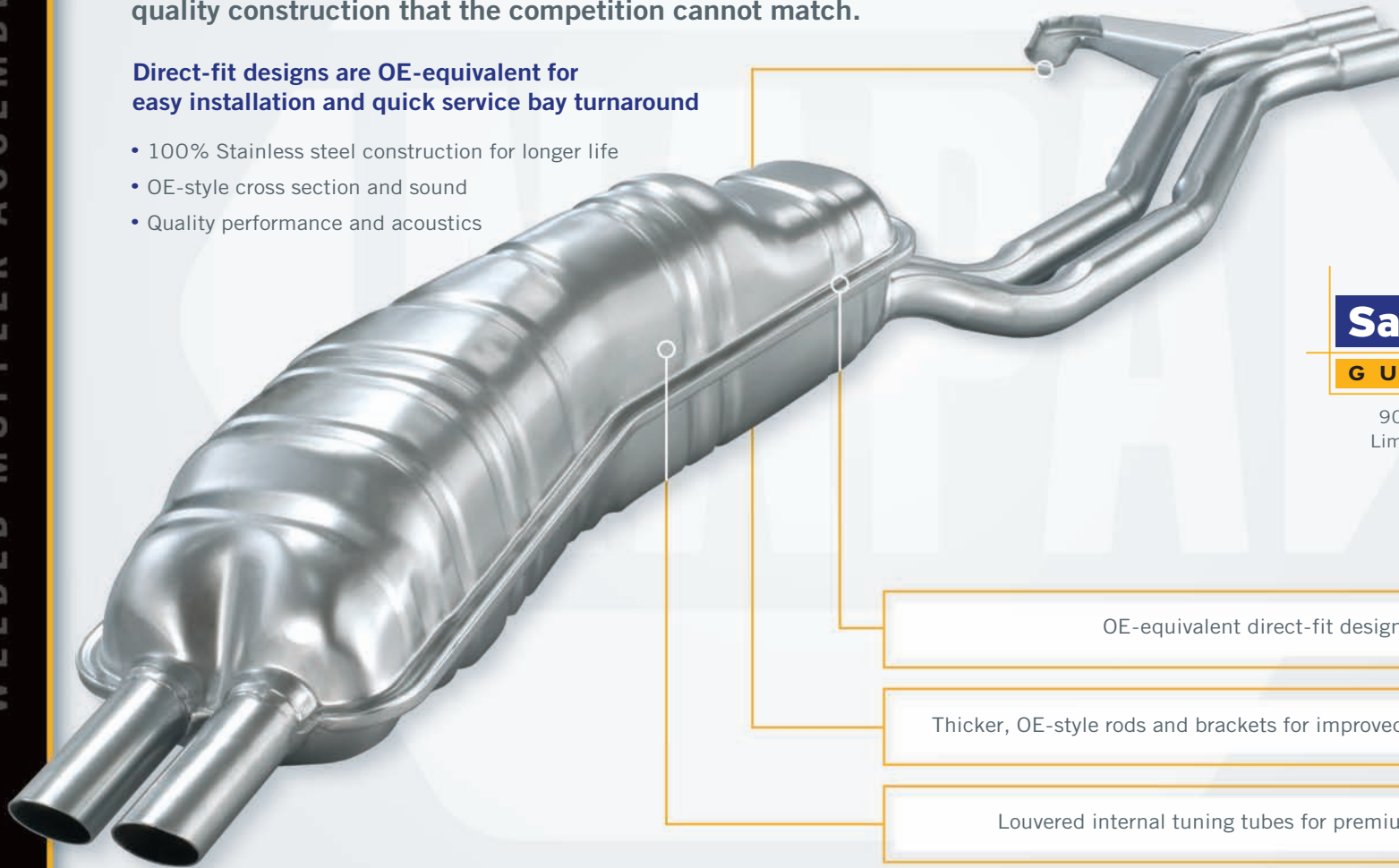
Direct-fit designs are OE-equivalent for easy installation and quick service bay turnaround

- 100% Stainless steel construction for longer life
- OE-style cross section and sound
- Quality performance and acoustics



**Safe & Sound®**  
**GUARANTEE**

90-Day, Risk-Free Offer.  
Limited Lifetime Warranty.



OE-equivalent direct-fit designs

Thicker, OE-style rods and brackets for improved structural support

Louvered internal tuning tubes for premium acoustics

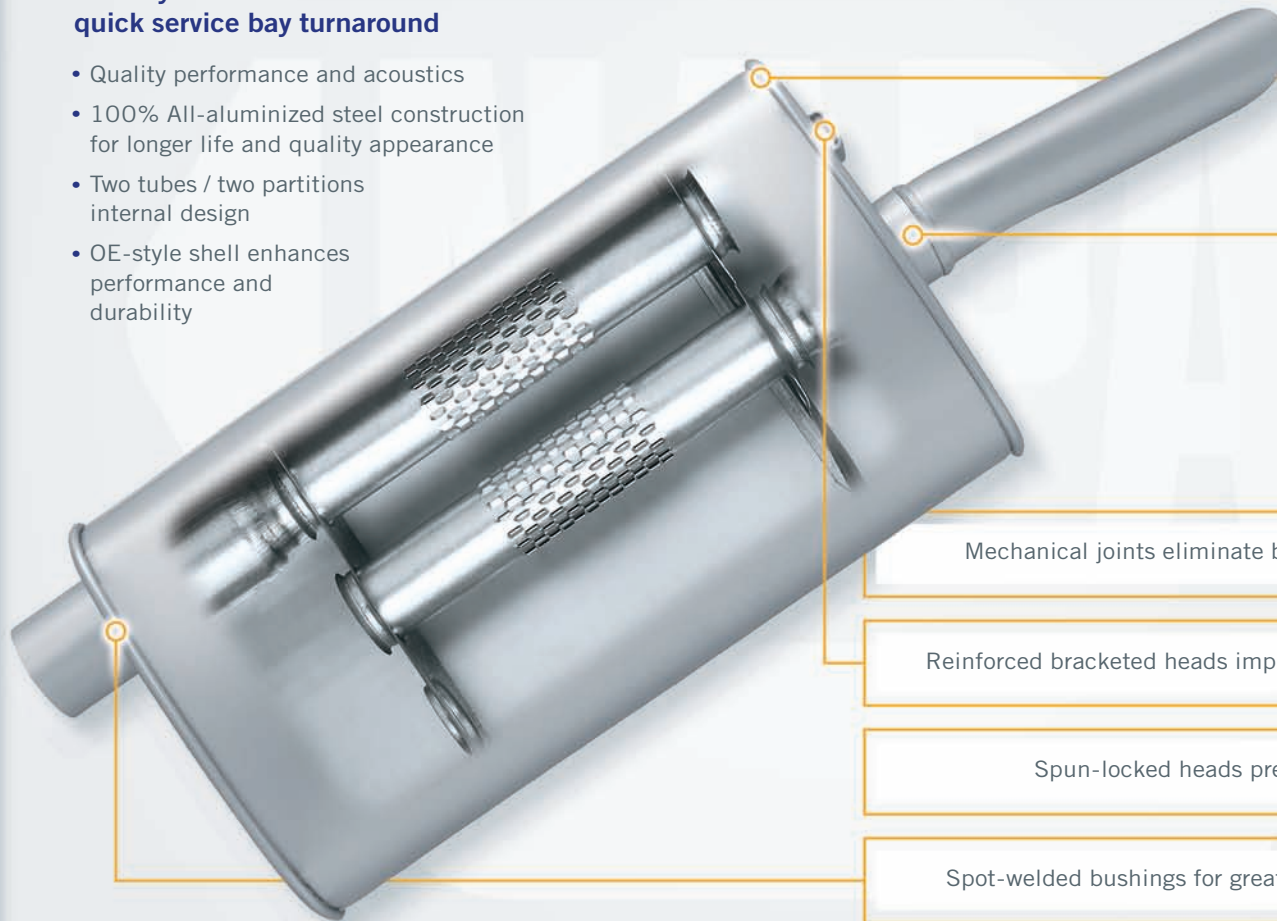
DRILL AND BINDING AREA

# Quality Materials and Construction

NAPA® Sound Master direct-fit mufflers provide installers and repair shops with a quality alternative at a competitive price.

**OE-equivalent direct-fit designs  
for easy installation and  
quick service bay turnaround**

- Quality performance and acoustics
- 100% All-aluminized steel construction for longer life and quality appearance
- Two tubes / two partitions internal design
- OE-style shell enhances performance and durability



Mechanical joints eliminate breakage and flow tube buckling

Reinforced bracketed heads improve structural support and stability

Spun-locked heads prevent exhaust gas leakage

Spot-welded bushings for greater stability and assembly support

**Sound Master  
Direct-Fit Mufflers**