



## Keep it Genuine Cummins With Cummins Service Products

### Cummins Standards Are Assured ....Cummins Standards Assure Quality

Nobody knows diesels like Cummins. Our expert engineering and advancements in diesel technology have made us a leader in this field for many years.

When your customers invest in a Cummins engine, they invest years of dependability. As part of the Cummins family, we can help you deliver Cummins quality throughout the life of the diesel engine. Our line of tools are specifically designed to insure that Cummins engines perform better, longer.

### Efficiency & Savings Are Assured ....Efficiency and Savings Increase Profitability

Cummins Service Products' alternative repair products and tools are specifically designed for Cummins engines. For example, when the upper deck bushings from Cummins Service Products are used, the engine block will be restored to its original Cummins specifications. By using an alternative repair part, the engine retains its Genuine Cummins quality.

Cummins builds quality into every engine. When you use our products, you're safeguarding that quality and protecting the investment of your customers. Cummins Service Products provides you with higher reliability, ultimate performance, and the most efficient savings.

### Accessible, Dependable Service is Assured ....Accessible, Dependable Service Assures Customer Satisfaction

From a simple wrench to the most advanced computerized engine diagnostic system available, the Cummins Service Products group, along with your local Cummins distributor, is prepared to go the extra mile to provide what ever product or service you require,

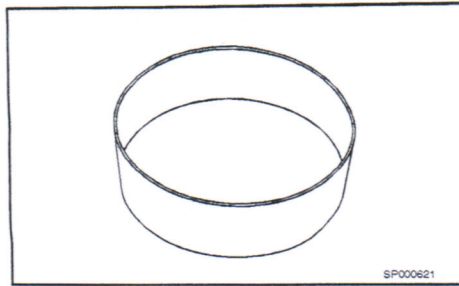
The Cummins family prides itself on accessible and dependable service. Your local Cummins distributor is readily available whenever you have questions or need assistance. And for further convenience, you can call Memphis Distribution Center at 1-800-777-3266 about your alternative repair project.

Remember, your customers choose Cummins because Cummins sets the standards in diesel engines. You should choose Cummins Service Products to maintain those standards. Genuine Cummins parts assures warranty protection within the Cummins Service Network. This provides the most efficient profitability to you and the highest quality parts and service to your customer.

## Repair Bushings and Tooling

3375304

Lower Bore Repair Bushing/Tooling



Engine Series: Multiple

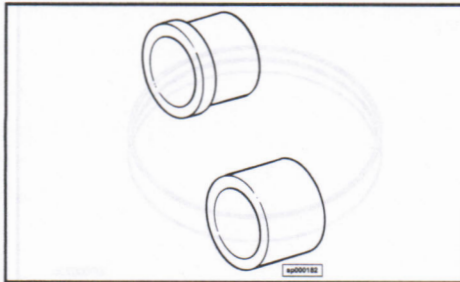
		Boring Unit	Concentricity Gauge	Drill	Chamfer Tool	Service Package	Base Plate Assemblies		Application Kits				
		3376905	ST 1252	3823532	ST 1318	3376916	3376906	3376907	3376908	3376909	3376910	3376913	3376914
3375304	Bushings (NH, V12, 5 1/8 Bore, 5.8755 O.D.)	X	X	X	X	X	X		X				
3375305	Bushings (NH, V12, 5 1/8 Bore, 5.9255 O.D.)	X	X	X	X	X	X		X				
3375306	Bushings (NT, V28, 5 1/2 Bore, 6.2555 O.D.)	X	X	X	X	X	X			X			
3375307	Bushings (NT, V28, 5 1/2 Bore, 6.3055 O.D.)	X	X	X	X	X	X			X			
3376467	Bushings (K Series, 7.2000 O.D.)	X	X	X		X		X					X
3376468	Bushings (K Series, 7.2500 O.D.)	X	X	X		X		X					X
3377388	Bushings (V903, 6.2955 O.D.)	X	X	X		X	X				X		
3377389	Bushings (Small V's, 5.3025 O.D.)	X	X	X		X	X					X	

**NOTE:** Use Cleaner/Primer PN 3824715 and Retaining Compound PN 3823718

These lower bore bushings (Sleeves) are used to renew the lower bores of the cylinder block to their original dimensions. When you restore the lower liner bores on Cummins engines, you will save time and increase quality by using lower bore repair bushings from Cummins Service Products.

Cummins Service Products designs and manufactures the lower bore bushings with the same professionalism and specifications as the upper bore repair bushings. You will always achieve a better fit when using Genuine Cummins Service Products bushings, designed specifically for your Cummins engine.

3376959  
 Idler Bore Repair Bushings/Tooling



Engine Series: K19, 38, 50

		Idler Shaft Bore Salvage Kit K38, K50	Idler Shaft Bore Salvage Kit K19	Reamer K38, K50
		3376951	3824880	3377306
3376959	Bushings (Straight)	X		
3377306	Bushings (Flanged)	X		X
3824893	Bushings (Flanged)		X	
3824958	Bushings (Straight)		X	

**NOTE:** Use Retaining Compound PN 3823718

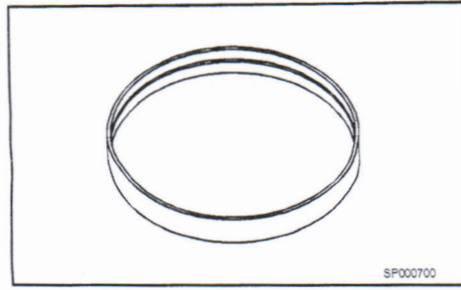
These special repair sleeves (bushings) are used to restore idler shaft bores in the cylinder block to their original size if or when the idler shaft becomes loose and/or enlarges the bore in the cylinder block.

Part Number	Part Name	3376959	3377306	3824893	3824958	3823718
3376959	Idler Shaft Bore Salvage Kit K38, K50	X				
3377306	Idler Shaft Bore Salvage Kit K19		X			
3824893	Reamer K38, K50			X		
3824958	Reamer K38, K50				X	
3823718	Retaining Compound					X

NOTE: Use Retaining Compound PN 3823718 and Retaining Compound PN 3823718  
 Genuine Cummins Service Products upper deck bushings are designed to restore Cummins engine blocks to Genuine Cummins quality and detail.  
 When properly installed, upper deck bushings (sleeves) provide an extremely durable and economical alternative to repairing an engine block.  
 A lot of companies sell salvage sleeves for Cummins engines. We're the only company that sells Genuine Cummins upper deck bushings. What does this mean for you?

3822959

Upper Deck Repair Bushings/Tooling



Engine Series: Multiple

Height of Repair Bushings			Cutter Plate Assembly	Counter Bore Tool	Base Plate & Micrometer Set	Cutter Plate Assembly	Basic Machine (Drive Unit)	Base Plate & Micrometer Set	Driver/Plate Assembly (With Cutter Plate)	Depth Gauge Assembly	Dial Bore Gauge Kit	Counterbore Ledge Cutter	Counterbore Ledge Cutter	Step Ring Gauge	Step Ring Gauge	Step Ring Gauge	Step Ring Gauge	Counterbore Tool Kit	Drill	
			3822955	3823325	3377351	3377353	3823352	3377352	3376622	3823495	3376619	3375072	3823326	3376563	3823292	3823293	3823973	3823974	3377356	3823532
0.750"	3822959	Upper Deck Repair Bushings (NT 5 1/2 Bore STD)	X	X	X					X	X	X	X	X	X				X	X
"	3822960	Upper Deck Repair Bushings (NT 5 1/2 Bore +0.010)	X	X	X					X	X	X	X	X	X				X	X
"	3822961	Upper Deck Repair Bushings (NT 5 1/2 Bore +0.020)	X	X	X					X	X	X	X	X	X				X	X
"	3822962	Upper Deck Repair Bushings (NT 5 1/2 Bore +0.040)	X	X	X					X	X	X	X	X	X				X	X
0.600"	3376382	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore STD)	X	X	X					X	X	X	X	X	X				X	X
"	3377115	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore +0.005)	X	X	X					X	X	X	X	X	X				X	X
"	3377116	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore +0.010)	X	X	X					X	X	X	X	X	X				X	X
"	3377117	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore +0.015)	X	X	X					X	X	X	X	X	X				X	X
"	3377118	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore +0.020)	X	X	X					X	X	X	X	X	X				X	X
"	3822612	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore Semi Finished STD)	X	X	X					X	X	X	X	X	X				X	X
"	3822613	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore S.F. +0.010)	X	X	X					X	X	X	X	X	X				X	X
"	3822614	Upper Deck Repair Bushings (NT/V28 5 1/2 Bore S.F. +0.020)	X	X	X					X	X	X	X	X	X				X	X
"	3376470	Upper Deck Repair Bushings (H/NH/V12 4 7/8, 5 1/8 Bore STD 'L')		X	X	X				X	X	X	X						X	X
"	3376471	Upper Deck Repair Bushings (V6 200/V8 265/V903 STD 'L')	X	X	X					X	X	X	X						X	X
"	3376222	Upper Deck Repair Bushings (KV-L Type 7.4925 Counterbore)					X	X	X	X	X	X	X	X		X	X	X	X	X
"	3376449	Upper Deck Repair Bushings (KV Series Straight Bushing)					X	X	X	X	X	X	X	X		X	X	X	X	X
"	3376450	Upper Deck Repair Bushings (KV STD 'L' Type UPF & LPF)					X	X	X	X	X	X	X	X		X	X	X	X	X
"	3376363	Upper Deck Repair Bushings (KV 0.100 O.S. 'L' Type)					X	X	X	X	X	X	X	X		X	X	X	X	X

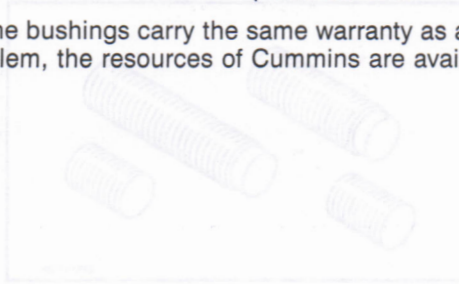
**NOTE:** Use Cleaner/Primer PN 3824715 and Retaining Compound PN 3823718

Genuine Cummins Service Products upper deck bushings are designed to restore Cummins engine blocks to Genuine Cummins quality and detail.

When properly installed, upper deck bushings (salvage sleeves) provide an extremely durable and economical alternative to replacing an engine block.

A lot of companies sell salvage sleeves for Cummins engines. We're the only company that sells Genuine Cummins upper deck bushings. What does this mean for you?

- Quality Design: The Cummins engineering staff designs our bushings with the same professionalism they apply to engine design.
- Quality Manufacturing: All our bushings are manufactured to exacting tolerances. Our lower press fit sleeves are manufactured in our own plant from the same "spun-cast" material used in the cylinder liners.
- Quality Support: These Genuine bushings carry the same warranty as all the other Cummins engine parts. In fact, any time you have a problem, the resources of Cummins are available to you.



Engine Sashes Multiple

Thread inserts provide a very economical repair to damaged threads. We offer a wide variety of thread inserts. Special purpose high strength and extra precision inserts are available for the critical areas of main bearings, cylinder liners, and pistons.

The repair saves your customer the expense of replacing major components such as a block or crankshaft while assuring him of a factory authorized repair procedure.

Many of the thread inserts are "blind end" inserts that can be used to repair damaged or cracked threaded holes when the threaded end is exposed to oil or water pressure. The blind end assures that liquids do not come in contact with the attaching cap screw, thus there is no chance of liquid leaking around the cap screw.

Our thread inserts are quick and easy to install. In simple terms, all it takes is to form the damaged threads and tap the formed hole to accept the thread insert. A wide variety of fixtures are available to insure location and alignment of the remains and gaps for the reverse operation. All thread repairs should be cleaned with a primer. Then apply a sealant/lock to make sure that the insert will never come out when removing the cap screw.

A complete line of metric and SAE thread inserts are available in individual sizes as well as convenient kit in various appropriate sizes.

382200 Metric Thread Insert Kit (Closed End)  
 (includes the below listed part numbers)

Part No.	Thread	L.D. (Metric)	O.D.	Length	Pack Qty
382200	Thread insert	M6x1.00	6-18	1.00	18
382200	Thread insert	M6x1.25	6-18	.88	18
382200	Thread insert	M6x1.50	6-18	1.12	18
382201	Thread insert	M12x1.25	6-18	1.37	12
382202	Thread insert	M12x1.50	6-18	1.37	12
382203	Thread insert	M12x1.75	6-18	1.37	12
382204	Thread insert	M14x2.00	6-18	1.50	8
382205	Thread insert	M16x2.50	6-18	1.75	8
382206	Thread insert	M18x2.50	6-18	1.75	8
382207	Thread insert	M18x1.25	6-18	1.12	8

382200 SAE Thread Insert Kit (Closed End)  
 (includes the below listed part numbers)

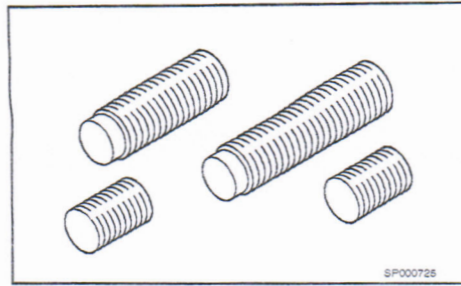
Part No.	Thread	L.D.	O.D.	Length	Pack Qty
382207	Thread insert	6-20	6-18	.75	10
382208	Thread insert	6-18	6-18	.88	10
382209	Thread insert	6-18	6-18	1.12	30
382210	Thread insert	6-24	6-18	1.00	30
382211	Thread insert	6-18	6-18	1.12	18
382212	Thread insert	6-20	6-18	1.10	18

NOTE: 382200 is not part of the kit. Order separately. Service replacement of each part number is a quantity pack of 10.

## Repair Inserts

3822709

Thread Repair Inserts



**Engine Series:** Multiple

Thread inserts provide a very economical repair to damaged threads. We offer a wide variety of thread inserts. Special purpose (high strength and extra precision) inserts are available for the critical areas of main bearings, cylinder blocks, and crankshafts.

The repair saves your customer the expense of replacing major components such as a block or crankshaft while assuring him of a factory authorized repair procedure.

Many of the thread inserts are "blind end" inserts that can be used to repair damaged or cracked threaded holes, when the threaded area is exposed to oil or water pressure. The blind end ensures that liquids do not come in contact with the attaching capscrew, thus there is no chance of liquid leaking around the capscrew.

Our thread inserts are quick and easy to install. In simple terms, all it takes is to ream the damaged threads and tap the reamed hole to accept the thread insert. A wide variety of fixtures are available to insure location and alignment of the reamers and taps for the salvage operation. All thread repairs should be cleaned with a Primer-T then apply a sealant/lock to make sure that the insert will never come out when removing the capscrew(s).

A complete line of metric and SAE thread inserts are available in individual sizes as well as convenient kits of various appropriate sizes.

### 3822709 Metric Thread Insert Kit (Closed End)

(Includes the below listed part numbers)

Part No.		I.D. (Metric)	O.D.	Length	Pack Qty.
3822698	Thread Insert	M6x1.00	3/8-16	.750	18
3822699	Thread Insert	M8x1.25	1/2-13	.935	18
3822700	Thread Insert	M10x1.50	9/16-12	1.125	18
3822701	Thread Insert	M12x1.25	5/8-18	1.375	12
3822702	Thread Insert	M12x1.50	5/8-18	1.375	12
3822703	Thread Insert	M12x1.75	5/8-18	1.375	12
3822704	Thread Insert	M14x2.00	3/4-16	1.500	6
3822705	Thread Insert	M16x1.50	7/8-14	1.750	6
3822706	Thread Insert	M16x2.00	7/8-14	1.750	6
3824530	Thread Insert	M10x1.25	9/16-12	1.125	6

**NOTE:** 3824530 is not part of the kit. Order separately. Service replacement of each part number is a quantity pack of 10.

### 3376448 SAE Thread Insert Kit (Closed End)

(Includes the below listed part numbers)

Part No.		I.D.	O.D.	Length	Pack Qty.
3376437	Thread Insert	1/4-20	3/8-16	.750	10
3376438	Thread Insert	5/16-18	7/16-14	.930	10
3376439	Thread Insert	3/8-16	1/2-13	1.130	20
3376440	Thread Insert	3/8-24	1/2-13	1.070	20
3376441	Thread Insert	7/16-14	9/16-12	1.150	10
3376442	Thread Insert	7/16-20	9/16-12	1.210	15

Part No.		I.D.	O.D.	Length	Pack Qty.
3376443	Thread Insert	1/2-13	5/8-11	1.510	15
3376444	Thread Insert	5/8-11	13/16-16	1.640	10
3376445	Thread Insert	5/8-18	13/16-16	1.360	10
3376446	Thread Insert	1/2-20	5/8-11	1.190	10
3376447	Thread Insert	9/16-18	11/16-16	1.180	10

**3375021 SAE Thread Insert Kit (Locking Key Type, Open End)**  
 (Includes the below listed part numbers)

Part No.		I.D.	O.D.	Length	Pack Qty.
3375141	Thread Insert	1/4-20	3/8-16	.38	N.A.
3375022	Thread Insert	5/16-18	7/16-14	.43	15
3375023	Thread Insert	3/8-16	1/2-13	.50	10
3375024	Thread Insert	3/8-24	1/2-13	.50	10
3375025	Thread Insert	7/16-14	9/16-12	.56	10
3375026	Thread Insert	7/16-20	9/16-12	.56	9
3375030	Thread Insert	1/2-13	5/8-11	.62	6
3375031	Thread Insert	1/2-20	5/8-11	.62	5
3375033	Thread Insert	5/8-18	7/8-14	.87	3
3375035	Thread Insert	3/4-16	1 1/8-12	1.12	3
3375037	Thread Insert	1-18	1 3/8-12	1.37	2
3375143	Thread Insert	5/8-11 HD	7/8-14	.87	N.A.
3375430	Thread Insert	5/16-18 HD	1/2-13	.43	N.A.

**3376403 Main Bearing Thread Repair Inserts (Open End Inserts)**

Part No.	Description	I.D.	O.D.	Pack Length	Qty.	Recommended Reamer	Tap
3376403	Thread Insert (NH, NT, V28) (K19, K38)	1-14	1 1/8-14	2 11/16	6	1 3/64	1 1/8-14
3376404	Thread Insert (V903)	3/4-16	7/8-16	2 7/16	6	13/16	7/8-16
3376670	Thread Insert (NH, NT)	3/4-16	7/8-16	2 9/16	6	13/16	7/8-16
3376281	Thread Insert (L10)	M14x1.5	M18x1.5	.63 mm	6	3377205	3376997

**3376282 Cylinder Block-Head Mounting Thread Repair Inserts (Closed End Inserts)**

Part No.	Description	I.D.	O.D.	Pack Length	Qty.		
3376282	Thread Insert (L10) (Open End)	M14x1.5	M18x1.5	.43 mm	6	3377205	3376997
3377133	Thread Insert (NH 5 1/8)	7/8-14	1-14	2.50	12	3375202	3375203
3377134	Thread Insert (NT, V28, V903) (Short Insert)	11/16-16	13/16-16	2.25	12	3376006	3376007
3377135	Thread Insert (NT Big Cam) (Long Insert)	11/16-16	13/16-16	3.25	12	3376006	3376007
3377136	Thread Insert (K19, K38) (Short Insert)	3/4-16	7/8-16	2.44	12	3376204	3376205
3377137	Thread Insert (K19, K38, K50) (Long Insert)	3/4-16	7/8-16	3.63	12	3376204	3376205

**3377139 Crankshaft Thread Repair Insert (Open End Insert)**

Part No.	Description	I.D.	O.D.	Length	Pack Qty.	Reamer	Tap
3377139	Thread Insert (NT)	5/8-18	3/4-16	1.350	3	3822406	3822405

**3376881 Metric Thread Insert Kit (Open End)**  
 (Includes the below listed part numbers)

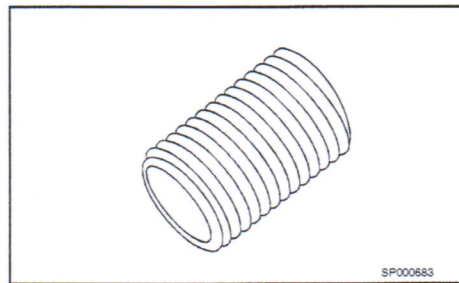
Part No.		I.D.	O.D.	Length	Pack Qty.	Reamer	Tap
3376701	Thread Insert	M6x1.0	M10x1.25	12 mm	10	3377201	3377257

Part No.		I.D.	O.D.	Length	Pack Qty.	Reamer	Tap
3376702	Thread Insert	M8x1.25	M12x1.25	12 mm	10	3377202	3377258
3376703	Thread Insert	M8x1.25	M12x1.25	17 mm	10	3377202	3377258
3376704	Thread Insert	M8x1.25	M12x1.25	20 mm	10	3377202	3377258
3376705	Thread Insert	M10x1.50	M14x1.50	8 mm	10	3377203	3376995
3376706	Thread Insert	M10x1.50	M14x1.50	12.5 mm	10	3377203	3376995
3376707	Thread Insert	M10x1.50	M14x1.50	14 mm	10	3376203	3376995
3376708	Thread Insert	M10x1.50	M14x1.50	15 mm	10	3377203	3376995
3376709	Thread Insert	M10x1.50	M14x1.50	18 mm	10	3377203	3376995
3376710	Thread Insert	M10x1.50	M14x1.50	20 mm	10	3377203	3376995
3376711	Thread Insert	M10x1.50	M14x1.50	24 mm	10	3377203	3376995
3376712	Thread Insert	M12x1.25	M16x1.50	8 mm	10	3377204	3376996
3376713	Thread Insert	M12x1.75	M15x1.50	8 mm	10	3377204	3376996
3376714	Thread Insert	M12x1.75	M16x1.50	21 mm	10	3377204	3376996
3376715	Thread Insert	M12x2.00	M18x1.50	30 mm	10	3377205	3376997
3376716	Thread Insert	M16x2.00	M20x2.00	30 mm	10	3377206	3376998
3376281	Thread Insert	M14x1.50	M18x1.50	63 mm	10		M18x1.5
3376282	Thread Insert	M14x1.50	M18x1.50	43 mm	10		M18x1.5
3376285	Thread Insert	M16x2.00	Wire Coil Insert	24 mm			3823384

**NOTE:** Use 3824715 Primer T to clean all matching threads prior to using the sealant. Use 3823718 Sealant.

**3823680**

**Water Hole Repair Inserts/Tooling**



**Engine Series:** K, NH, N14

		NH Water Hole Repair Kit	K Series Coolant Passage Repair Kit	NH, N14 Coolant Hole Insert Fixture Kit	K Series Coolant Hole Insert Fixture Kit	K Series Water Hole Surface Repair Kit
		3823679	3824047	3823936	3823937	3824066
3823680	Insert (NH/NT Small Cam 3/4" (Qty 15))	X		X		
3823681	Insert (NH/NT Big Cam 7/8" (Qty 15))	X		X		
3824048	Insert (K19, K38, K50 (Qty 12))		X		X	
3824071	Insert (K19, K38, K50 BRASS (Qty 12))					X

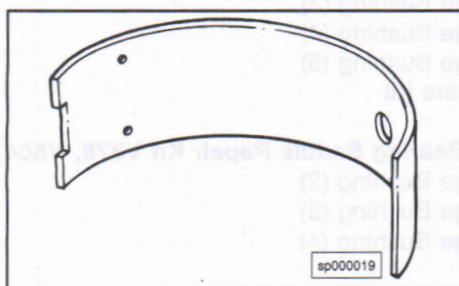
**NOTE:** Use Retaining Compound PN 3823682. Use PN 3823687 for 50 Count of 3/4" Inserts. Use PN 3823688 for 50 Count of 7/8" Inserts. 3824071 is Brass non threaded with Flange.

Water hole repair inserts are used to repair the upper deck of NH/NT series engines in the area of the coolant passages. These inserts are threaded on the outside diameter and smooth bore on the inside diameter. These inserts are made from stainless steel to resist corrosion and assure longer life.

## Saddle Inserts and Tooling

3375168

### Main Bearing Saddle Inserts



#### Engine Series: Multiple

The main bearing saddle repair kits are used to salvage cylinder blocks that have damaged main bearing saddles. These repair bushings are installed by boring the main bearing bore to the appropriate oversize with ST 1177 Boring Bar, or appropriate boring bar. The salvage bushings are installed and pinned in place and bored, in place, to the finished bore size.

Individual bushings may be ordered as desired to repair specific saddles, i.e. (1,3,5)-(2,4,6)-or (7).

Part No.	Description
<b>3375168</b>	<b>Main Bearing Saddle Repair Kit NH, NT Series</b>
3375169	Salvage Bushing (1,3,5)
3375170	Salvage Bushing (2,4,6)
3375171	Salvage Bushing (7)
3822498	Hardware Kit
3376426	Rivets
<b>3376420</b>	<b>Main Bearing Saddle Repair Kit V28 Series</b>
3376421	Salvage Bushing (1)
3376422	Salvage Bushing (2,3,5,6)
3376423	Salvage Bushing (4)
3376424	Salvage Bushing (7)
3376425	Hardware Kit
3376426	Rivets
<b>3376475</b>	<b>Main Bearing Saddle Repair Kit K19 Series</b>
3376476	Salvage Bushing (1)
3376477	Salvage Bushing (7)
3376478	Salvage Bushing (2,3,4,5,6)
3376426	Rivets
<b>3376480</b>	<b>Main Bearing Saddle Repair Kit K38 Series</b>
3376481	Salvage Bushing (1)
3376482	Salvage Bushing (2,3,4,5,6)
3376483	Salvage Bushing (7)
3376837	Hardware Kit
3376426	Rivets
<b>3376484</b>	<b>Main Bearing Saddle Repair Kit K50 Series</b>
3376481	Salvage Bushing (1)
3376482	Salvage Bushing (2,3,4,5,6,7,8)
3376483	Salvage Bushing (9)
3376837	Hardware Kit
3376426	Rivets
<b>3822495</b>	<b>Main Bearing Saddle Repair Kit L10 Series</b>
3822491	Salvage Bushing (1,2,3,4,5,6,7)
3822496	Hardware Kit
3376426	Rivets
<b>3376770</b>	<b>Main Bearing Saddle Repair Kit V/VT 903 Series</b>

Part No.	Description
3376771	Salvage Bushing (1)
3376772	Salvage Bushing (2)
3376773	Salvage Bushing (3)
3376774	Salvage Bushing (4)
3376775	Salvage Bushing (5)
3376776	Hardware Kit
3376426	Rivets
<b>3377427</b>	<b>Main Bearing Saddle Repair Kit V378, V504, V555 Series</b>
3377430	Salvage Bushing (2)
3377431	Salvage Bushing (3)
3377432	Salvage Bushing (4)
3376426	Rivets
<b>3824582</b>	<b>Main Bearing Saddle Repair Kit C Series</b>
3824584	Salvage Bushing (All Except #4) #4 Cannot Be Repaired - Too Narrow
3824583	Hardware Kit
3376426	Rivets (50)
3377437	1/8 Drill (2)

**3375168 Main Bearing Saddle Inserts/Tooling**

		Cutter Holder			Cutter Tools				Checking Rings						Boring Bars				
		Main Set <sup>1</sup>	ST 1177-8	ST 1177-28	3375060	ST 1177-1	ST 1177-2	ST 1177-3	ST 1177-4	ST 1177-9	ST 1177-11	ST 1177-13	ST 1177-15	ST 1177-55	3375064	3376811	3824580	ST 1177-16	3375061
3375168	Insert (NH/NT)	X	X			X					X							X	
3376420	Insert (V28)	X		X			X					X						X	
3376475	Insert (K19)	X		X				X					X					X	
3376480	Insert (K38)	X			X		X							X					X
3376484	Insert (K50)	X			X		X							X					X
3822495	Insert (L10/M11)	X	X				X									X		X	
3376770	Insert (V/VT 903)	X	X			X				X								X	
3377427	Insert (Small V's)	X	X		X				X									X	
3824582	Insert (C Series)	X	X			X											X	X	

		Centering Rings							Torsion Bars		Ring Gauges								
		ST 1177-36	ST 1177-37	ST 1177-39	ST 1177-42	ST 1177-54	3375063	3376781	3824581	ST 1177-33	3375062	ST 898	ST 903	ST 1253	ST 1292	ST 1328	3376576	3376717	3824578
3375168	Insert (NH/NT)			X					X			X							
3376420	Insert (V28)				X				X				X						
3376475	Insert (K19)					X			X					X					
3376480	Insert (K38)						X			X					X				
3376484	Insert (K50)						X			X					X				
3822495	Insert (L10/M11)							X	X							X			
3376770	Insert (V/VT 903)		X						X									X	
3377427	Insert (Small V's)	X							X		X								
3824582	Insert (C Series)							X	X										X

\* Other Cutter / Holder Combinations are usable; Pieces Listed are Recommended

NOTE: Use Thrust Bearing Surface Cutter PN 3375053 In Conjunction With Thrust Bearings



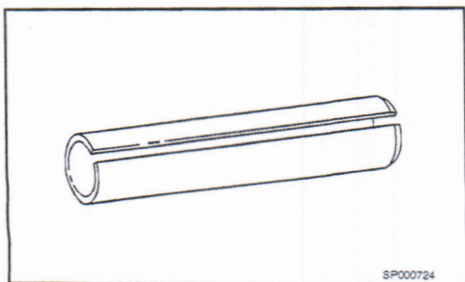


		Centering Rings <sup>1</sup> (cont'd)														Sleeve Drivers										Feed Unit	Universal Driver	Drive Adapter	Drill	Master Kits <sup>4</sup>	
		3376589	3376591	3377303	3823321	3376349	3825133	3376614	3376615	3376351	3376360	3376361	3376588	3376590	3377304	3376353	3376411	3376352	3825134	ST 1177-17	ST 1177-27	ST 1177-31	3823532	3376234	3162233						
3376235	Sleeve (NT Big Cam 1,2,4,6)															X			X	X	X	X	X	X							
3376410	Sleeve (NT Big Cam 3,5)															X			X	X	X	X	X	X							
3376583	Sleeve (NT/NH Small Cam 1)	X										X							X	X	X	X									
3376584	Sleeve (NH/NT SC 2,3,4,5,6,7)	X										X							X	X	X	X									
3824894	Sleeve (All L10/M11)																		X	X	X	X									
3376582	Sleeve (All V28 (2 per bore))		X														X		X	X	X	X									
3376580	Sleeve (V903 ThinWall 2,3,4)															X			X	X	X	X	X	X							
3376581	Sleeve (V903 ThinWall 1,5)															X			X	X	X	X	X	X							
3377248	Sleeve (V903 ThickWall 1)			X											X				X	X	X	X									
3377249	Sleeve (V903 ThickWall 2,3,4)			X											X				X	X	X	X									
3377301	Sleeve (V903 ThickWall 5)			X											X				X	X	X	X									
3823319	Sleeve (V903 600 Hp 2,3,4)				X											X			X	X	X	X									
3823320	Sleeve (V903 600 Hp 5)				X											X			X	X	X	X									
3376581	Sleeve (V903 600 Hp 1)				X											X			X	X	X	X									
3376368	Sleeve (Small V's: Small Cam 2,3,4)									X									X	X	X	X									
3376369	Sleeve (Small V's: Small Cam 1,5)									X									X	X	X	X									
3376370	Sleeve (Small V's: Big Cam 2,3,4)										X								X	X	X	X									
3376371	Sleeve (Small V's: Big Cam 1,5)										X								X	X	X	X									
3376346	Sleeve (K Series: Big Cam)									X							X		X	X	X	X			X						
3376347	Sleeve (K Series: Small Cam)					X		X	X							X			X	X	X	X			X						
3825135	Sleeve (QSK19)						X										X		X	X	X	X			X						

**NOTES:**

1. Cutter Holders, Cutter Bits, Centering Rings, and Drivers are Included in Cam Bore Salvage Kits
2. For Thick Wall Bushings
3. For Thin Wall Bushings
4. Master Kit Includes Kits, Holders, Bits, Rings, and Drivers

Always Use Cleaner/Primer PN 3824715 and Retaining Compound PN 3823718.



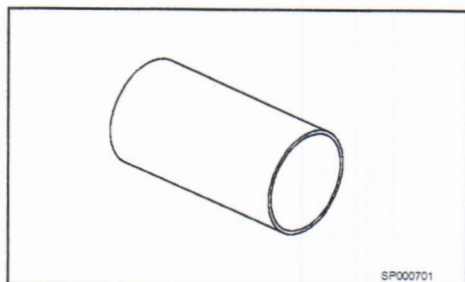
**3376390  
Oil Galley Sleeve**

**Engine Series:** NT

The proper size split pin sleeve is used to repair damaged oil galley drilling in the cylinder blocks. When a cam follower failure causes a puncture in the oil galley. This special sized sleeve will provide a permanent quality repair.

The split pin sleeve is driven into the oil galley to the damaged location to completely seal the damaged oil pressure galley.

Part No.	Description
3376390	Oil Galley Salvage Pin (NT 5 1/2)
3376623	Piston Cooling Galley Salvage Pin (NT 5 1/2)



**3904166  
Salvage Sleeve**

**Engine Series:** B

This salvage sleeve is used to repair damaged or worn cylinder bores for the B Series engines. Consult your repair manual for specifications and procedures for installation.