



## MM HiFlo ST Engines

### 4 Cylinder Engines - M10

<b>2002, 320i, 318i ≥'85 - 4 Cyl SOHC Engines</b>	
2200 Rally Engine .....	165 HP..... 9995    1200
2100 FI Engine .....	12 lbs 275 HP.....11995    1200
2000-2200 Race Engines.....	12 lbs 225 HP ..... 11995    1200
ITB & Other Race Engines.....Call 573-765-1269	
Add Alternator Bracket: 2002 tii, 320i ('80-'83) & 318i ... 400	

### 6 Cylinder Engines - M30

<b>5, 6, &amp; 7 Series ≥'93 - 6 Cyl SOHC Engines</b>		
<b>3.0cs, Bavaria - 4 Cyl SOHC Engines</b>		
3700 Rally Engine .....	285 HP.....11995    1200	
3600 FI Engine .....	12 lbs 450 HP.....13995    1200	
3700 Race Engines .....	350hp..... 15995	
Additional charge for not having a 3.5 L Block..... 750		
86mm Crank Upcharge .....		600

### "Baby Six" Engines - M20

<b>325i/e, 528, 525i ≥'91 - 6 Cyl SOHC Engines</b>	
2900 Sport Engine .....	205 HP.....10495    1200
3200 Sport/Rally .....	230 HP.....11495    1200
Spec & Other Race Engines.....8995	
Option: MM custom oil pan with crank scrapper for track use .....750	
<b>Forced Induction Engines</b>	
2900 FI Engine .....	325-450 HP.....12995    1200

\*We allow for only 2 cracks in the head. If we find any additional cracks we will use a NEW head for an additional charge of 1500

### M3 Engines - S14

<b>M3 '88-'91 - 4 Cyl DOHC Engines</b>	
2400 Rally Engine .....	255 HP.....13,995    Core*
2400 Race Engine .....	285 HP.....15,995    Core*
2400 FI Engine .....	350-500 HP.....15995    Core*

### M5 & M6 Engines - S38/S88

<b>M5 &amp; M6 '85-'93 - 6 Cyl DOHC Engines</b>	
3700 Rally Engine .....	350 HP.....16,995    Core*
3600 FI Engine .....	500-750 HP.....17,995    Core*

\*Customer's Own Core Needed  
FI = Forced Induction  
ST = our Patented Surface Turbulence Treatment

### M42 & M44 Engines

<b>M42: (E30 318is '90-91), (E36 '92-95), (Z3 '95)</b>	
<b>M44: (E36 318ti '96-98), (E36 318i '96-98)</b>	
<b>(Z3 '96-99) - 4 Cyl DOHC Engines</b>	
2000 Sport/Rally M42/M44 .....	11495    1500
2000 Rally M42/M44.....	205 HP.....11995    1500
2000 Race Engine M42 .....	14995    1500
Note: With light weight mechanical shim under lifter buckets	
<b>Forced Induction Engines</b>	
1900 FI M42/M44 .....	250-300 HP.....12,995    1500

### M50, M50tu, S50, M52 & S52 Engines

<b>M50 Non-Vanos: (325i/525i '91-92),</b>	
<b>M50tu: (325i/525i '93-95), S50: (M3 '95)</b>	
<b>M52: (328i/528i '96-'97), S52: (M3 '96-99)- 6 Cyl DOHC</b>	
3200 Sport OBD I or II.....	275 HP.....12995    2500-3000
3200 Rally OBD I or II ...	280-305 HP.....14995    2500-3000
3200 Race Engine S52.....	360 HP.....17995    2500-3000
Note: With light weight mechanical shim under lifter buckets	
Spec, ITS & Other Race Engines...Call 573-765-1269	
<b>Forced Induction Engines</b>	
3100 FI OBD I or II .....	375 - 500 HP.....15995    2500-3000
Upcharge (except for S52) NO 89.6mm Crankshaft.....600	

### M54 Engines

<b>325i/xi/ic, Z3, X5, X3 '99-05</b>	
3000 Sport OBD II .....	240 HP.....10495    2000-3500
3000 Rally OBD II.....	275HP.....12995    2000-3500

### S54 Engines

<b>M3 '00-06 E46</b>	
3200 Sport.....	340HP.....15995    Core*
3200 Rally .....	360HP.....17995    Core*
3200 FI .....	19995    Core*



## MM HiFlo ST Engine Kits

### 4 Cylinder Engine Kits - M10

2002, 320i, 318i ≥'85

2200 Rally Engine Kit - 155 HP

Head, HiFlo ST Sport .....	2295	Core Deposit	300
Head Gasket, 94mm Big Bore .....	140		
Pistons, 92mm Rally, Hard Anodized 9.75:0 CR.....	1100		
Rings, 92mm Moly .....	160		
Rods: "H" Beam 143mm, 4 Oiling Grooves .....	780		
Rod Bearing Set, Coated Tri-Metal .....	180		
Main Bearing Set, Coated.....	225		

### 6 Cylinder Engine Kits - M30

3.0cs, Bavaria, 5, 6, & 7 Series ≥'93

3700 Rally Engine Kit - 285 HP

Head, HiFlo ST Sport.....	2695	Core Deposit	500
Head Gasket, 95mm Bore .....	240		
Pistons, 95mm Rally, Hard Anodized 10.25:1 CR... 1650			
Rings, 95mm Moly .....	240		
Rods, "H" Beam, 143mm, 4 Oiling Grooves.....	1170		
Rod Bearing Set, Coated Tri-Metal .....	270		
Main Bearings, Coated .....	315		
Crankshaft** uses Stock 86mm B34/B35 Crank			

### Baby 6 Engine Kits - M20

325i/e, 528e, 525i ≥'91

2900 Sport/Rally "I" Engine Kit - 205 HP

Head, HiFlo ST Sport.....	2695	Core Deposit	500
Head Gasket, Improved Water Flow ...	140		
Head Bolt Set, 8mm Allen Head Socket.....	140		
Pistons, 2900 Sport, 86mm, Hard Anodized			
Deep Valve Pockets, 10.0:1 CR.....	1650		
Rings, Moly 86mm .....	240		
Rod Bearing Set, Coated Tri-Metal .....	270		
Main Bearing Set Coated, 360° Oiling Groove.....	315		
* Requires MM to machine the lock-tang grooves			
on the Main Bearing Caps .....	175		
Crankshaft, 81mm Stroke ETA Crank .....	Call		

3000 2926cc Sport/Rally Engine Kit - 225 HP

Head, HiFlo ST Sport.....	2695	Core Deposit	500
Head Gasket, Improved Water Flow .....	140		
Head Bolt Set, 8mm Allen Head Socket .....	140		
Pistons, 3200 Sport, 86mm,			
Hard Anodized 10.0:1 CR .....	1650		
Rings, Moly 86mm .....	240		
Rods, "H" Beam 135mm long .....	1290		
Rod Bearing Set, Coated Tri-Metal .....	270		
Main Bearing Set Coated, 360° Oiling Groove.....	315		
* Requires MM to machine the lock-tang grooves			
on the Main Bearing Caps .....	175		
Crankshaft* 84mm Stroke .....	Call		
*Crank Seal Spacer, Bolt & Washer,			
required for Crankshaft .....	200		
* Idler Shaft machined for Crank clearance .....	100	Core Deposit	50
Some block clearancing required for the crankshaft.			
Call for directions.			

325i/e, 528, 525i ≥'91

3200 Sport/Rally Engine Kit - 230 HP

Head, HiFlo ST Sport.....	2695	Core Deposit	500
Head Gasket, Improved Water Flow .....	140		
Head Bolt Set, 8mm Allen Head Socket .....	140		
Pistons, 3200 Sport, 86mm			
Hard Anodized 10.0:1 CR .....	1650		
Rings, Moly 86mm .....	240		
Rods, "H" Beam, 135mm, 4 Oiling Grooves .....	1170		
Rod Bolt Set, .....	75		
Rod Bearing Set, Coated Tri-Metal .....	270		
Option: Rod Bearing Set, STD.....	150		
Main Bearing Set Coated, 360° Oiling Groove.....	315		
* Requires MM to machine the lock-tang grooves			
on the Main Bearing Caps .....	175		
Top End Gasket Set .....	100		
Bottom End Gasket .....	150		
Crankshaft**, 89.6mm Stroke .....	Call		
*Crank Seal Spacer, Bolt & Washer,			
required for Crankshaft .....	200		
* Idler Shaft machined for Crank clearance .....	100	Core Deposit	50
Some block clearancing required for the crankshaft.			
Call for directions.			



## M3 Engine Kit - S14

### M3 '88-'91

#### 2400 Rally Engine - 255 HP

Head* HiFlo Rally, 31mm Intake Ports .....	2495	500
Rally Camshaft .....	750	300
Cam Box Clearanced for Race Cam .....	150	
Adjusting Shim Pads .....	600	
Head Gasket .....	140	
Pistons, 95mm, Hard Anodized 11.5:1 CR.....	1100	
Rings, Moly 95mm .....	160	
Rods, "H" Beam, 144mm, 4 Oiling Grooves .....	780	
Rod Bearing, Coated Tri-Metal .....	180	
Main Bearing Set, Coated.....	225	
Cornering Baffle .....	50	
Ported Intake Manifolds.....	600	
EVO Intake Gaskets .....	220	
Top End Gasket Set .....	100	
Bottom End Gasket .....	150	
Motorsport Front and Rear Crank Seal....	80	

\* NOTE: For 2400 Sport eliminate Rally cam

#### 2500 Race Engine - 285 HP

Head* 31mm Intake Ports.....	2495	500
Race Camshafts, Pair .....	1500	600
Cam Box Clearanced for Race Cam .....	150	
Shim-Under 37.5 mm Lifter Bucket System .....	1000	
Plus Lash Caps 7mm, set of 16.....	96	
Adjusting Shim Pads .....	900	
Head Gasket .....	140	
Pistons, 95mm, Hard Anodized 13.5:1 CR.....	1000	
Rings, Moly 95mm .....	160	
Rods, "H" Beam, 143mm, 4 Oiling Grooves .....	780	
Rod Bearing Set, Coated Tri-Metal .....	180	
Main Bearing Set, Coated.....	225	
Crankshaft, 87mm Stroke .....	CALL	
Cornering Baffle .....	50	
EVO Intake Gaskets .....	220	
Motorsport Front and Rear Crank Seal....	80	
Ported Intake Manifolds.....	750	
<b>Optional:</b> Race Oil Pan with Swing Gate & Baffle.....	450	

\* NOTE: The S14 has a two piece head. We refer to the Top Section as the "Cam Box" and the Bottom Section as the "Head". During installation, the Head must be bolted to the block first before the Cam Box can be attached.

## M5/6 Engine Kits - S38/S88

### M5 & M6 '85-'93

#### 3700 Rally Engine - 350 HP

Head, Rally, 31mm Intake Ports.....	2995	Core Deposit
Head Gasket .....	195	Core
Rally Cam.....	1000	500
Clearance Cam Box for Rally Cam .....	200	
Adjust Shim Pads .....	750	
Ported Intake Manifolds .....	750	
Pistons, 95mm, Hard Anodized 12.5 CR.....	1650	
Rings, Moly 95mm .....	240	
Rods, "H" Beam 143mm, 4 Oiling Grooves.....	1170	
Rod Bearing Set, Coated Tri-Metal.....	270	
Main Bearing Set, Coated .....	315	
Motorsport Front and Rear Crank Seal .....	80	

Core: No Deposit required as BMW Owner  
Supplies their own Core for rebuilding

### The M3, M5 and M6 Engine Kits also need:

With Purchase of complete Kit, we will rebuild your Oil Pump core for \$750 (need \$300 if you do not have a core to send us)

1. Timing Chain, Dual Row
3. Guide Rail
4. Lower Tensioner Rail
5. Upper Tensioner Rail
6. Top Guide Rail
2. Oil Pump Chain



## M50/M50tu/M52/S50/S52

### 3 & 5 Series '92 >

#### 3200 Sport - 275 HP

Head, Sport/Rally Surface Turbulence/6% Flow Inc .....	2795	1000
Cams, uses Stock M3, call if you need help sourcing them		
<b>Optional:</b> Cams, Int 262° & Exh 250° .....	1300	600
Head Gasket, <i>improved water flow</i> .....	140	
Pistons, Rally 87mm Forged Alusil Hard Anodized 12.0:1.....	1500	
Rings, 87mm Moly Rings .....	240	
Rods, <i>use your stock rods</i>		
Rod Bolt Set .....	75	
Rod Bearing Set, Coated Tri-Metal .....	270	
<b>Optional:</b> Rod Bearing Set, STD.....	150	
Main Bearing Set, 360° Thrust & Oiling Groove .....	315	
Machine Lock Tangs in Main Bearing Caps for above set		
<i>You send us your Main Bearing Caps</i> .....	175	
Motorsport Front and Rear Crank Seal.....	80	
Crankshaft 89.6mm Stroke .....	1250	

#### 3200 Rally - 280 to 305 HP

Head, Rally Surface Turbulence/6% Flow Increase.....	2795	1000
Cam Pair, Int 262° & Exh 250° .....	1600	600
Head Gasket, <i>improved water flow</i> .....	140	
Pistons, Rally 87mm Forged Alusil, Hard Anodized 12.0:1.....	1500	
Rings, 87mm Moly Rings .....	240	
Rods, Rally 138mm "H" Beam 525 grams .....	1290	
Rod Bearing Set, Coated Tri-Metal.....	270	
Main Bearing Set, 360° Thrust & Oiling Groove .....	250	
Machine Lock Tangs in Main Bearing Caps for above set		
<i>You send us your Main Bearing Caps</i> .....	175	
Motorsport Front and Rear Crank Seal.....	80	
Crankshaft 89.6mm Stroke .....	1250	

#### 3300 Rally - 295 to 315 HP

Head, Rally Surface Turbulence/6% Flow Increase.....	2795	1000
Cam Pair, Int 262° & Exh 250° .....	1300	600
Head Gasket, <i>improved water flow</i> .....	140	
Pistons, Rally 87mm Forged Alusil, Hard Anodized 12.0:1.....	1500	
Rings, 87mm Moly Rings .....	240	
Rods, Rally 139mm "H" Beam 495 grams .....	1290	
Rod Bearing Set, Coated Tri-Metal.....	270	
Main Bearing Set, 360° Thrust & Oiling Groove .....	250	
Machine Lock Tangs in Main Bearing Caps for above set		
<i>You send us your Main Bearing Caps</i> .....	175	
Motorsport Front and Rear Crank Seal.....	80	
Crankshaft,		
93mm Stroke with custom Timing Chain Sprocket.....	2700	

*Core: No Deposit required as BMW Owner  
Supplies their own Core for rebuilding*

## M42 Engine Kits

### M42: E30 318is '90-91, E36 '92-95, Z3 '95

#### 2000 Sport/Rally M42/M44 - 170 HP

Head, Sport Surface Turbulence/6% Flow Increase .....	1795	600
Head Upgrade, from 7mm to 6mm Valvetrain .....	350	
Sport Intake Camshaft 258°, 11.15mm Lift .....	600	250
Head Gasket .....	140	
Head Bolt Set .....	45	
Pistons, Sport 87mm Forged Alusil, Hard Anodized 11.0:1 .	1000	
Rings, 87mm Moly Rings.....	160	
Rod Bearing Set, Coated Tri-Metal.....	180	
<b>Optional:</b> Rod Bearing Set, STD .....	100	
Main Bearing Set, 360° Thrust & Oiling Groove .....	120	
Machine Lock Tangs in Main Bearing Caps for above set		
<i>You send us your Main Bearing Caps</i> .....	125	
Double Row Timing Chain .....	100	
<b>Optional:</b> Single Row Timing Chain Conversion		
using cam sprockets provided by customer .....	250	
Top End Gasket Set .....	100	
Bottom End Gasket .....	150	
Motorsport Front and Rear Crank Seal.....	80	
Crankshaft, Stock M44 83.5mm .....	Call	

### M50/M50tu/M52/S50/S52 & M42 Heads Include

6% Flow Increase, Surface Turbulence Valves, Manganese Valve Guides, Vitan Valve Guide Seals, Dual Valve Springs, Lightweight Retainers & Valve Spring Perches Shims. Head is glass beaded, cleaned and surfaced before assembly.



## M44 Engine Kits

### M44: E36 318ti '96-98, E36 318i '96-98, Z3 '96-98

#### 2000 Sport M44 - 170 HP

Head, Sport Surface Turbulence/6% Flow Increase .....	1995	600
Sport Intake Camshaft 258°, 11.15mm Lift .....	600	250
Head Gasket .....	140	
Head Bolt Set .....	60	
Pistons, 87mm Forged Alusil Hard Anodized 11.0:1 ....	1000	
Rings, 87mm Moly Rings.....	160	
Rod Bearing Set, Coated Tri-Metal.....	180	
<b>Optional:</b> Rod Bearing Set, STD .....	100	
Main Bearing Set, 360° Thrust & Oiling Groove .....	120	
Machine Lock Tangs in Main Bearing Caps for above set		
<i>You send us your Main Bearing Caps</i> .....	125	
Double Row Timing Chain .....	100	
<b>Optional:</b> Single Row Timing Chain Conversion		
using cam sprockets provided by customer .....	250	
Top End Gasket Set .....	100	
Bottom End Gasket.....	150	
Motorsport Front and Rear Crank Seal .....	80	
Crankshaft, Stock M44 83.5mm .....	Call	

#### 2100 Rally M44 - 190 HP

Head, Rally Surface Turbulence/6 % Flow Increase .....	1995	600
Cam Pair, Intake 272° & Exhaust 258° .....	1200	500
Head Gasket .....	140	
Head Bolt Set .....	60	
Pistons, Rally 87mm Forged Alusil		
Hard Anodized 11.5:1.....	1000	
Rings, 87mm Moly Rings .....	160	
Rods, Rally 138mm "H" Beam 525 grams.....	780	
Rod Bearing Set, Coated Tri-Metal.....	180	
Main Bearing Set, 360° Thrust & Oiling Groove .....	120	
Machine Lock Tangs in Main Bearing Caps for above set		
<i>You send us your Main Bearing Caps</i> .....	125	
Double Row Timing Chain .....	100	
<b>Optional:</b> Single Row Timing Chain Conversion		
using cam sprockets provided by customer .....	250	
Top End Gasket Set .....	100	
Bottom End Gasket.....	150	
Motorsport Front and Rear Crank Seal .....	80	
Crankshaft, 88mm Stroke, modified .....	CALL	

**M44 Heads** Include 6% Flow Increase, Surface Turbulence Valves, Manganes Valve Guides, Vitan Valve Guide Seals, Dual Valve Springs, Lightweight Retainers & Valve Spring Perches Shims. Head is glass beaded, cleaned and surfaced before assembly.





## MM HiFlo ST Heads

### 4 Cylinder - M10

2002, 320i, 318i ≥'85

		Core Deposit
Sport Head.....	2295	300
Race Head.....	2795 - 2995	300
Stock Head.....	1795	300

### 6 Cylinder - M30

3.0cs, Bavaria, 5, 6, & 7 Series ≥'93

Sport Head.....	2695	500
Stock Head.....	2195	500

### Baby Six - M20

325i/e, 528e, 525i ≥'91

Sport Head.....	2495	500
Rally Head.....	2695	500
Stock Head.....	1995	500

### M3 - S14

M3 '88-'91

Sport Head (29.5mm Ports).....	2295	Core*
Options: Adjusting Shim Pads.....	400	
Rally Head (31mm Ports).....	2495	Core*
Options:		
Rally Camshaft.....	750	
Clearance Cam Box for Rally Cam.....	150	
Adjusting Shim Pads.....	400	
EVO Intake Gaskets.....	220	
Ported Intake Manifolds.....	600	
Race Head (31mm Ports).....	2495	Core*
Options:		
Race Camshafts (2).....	1500	
Clearance Cam Box for Race Cam.....	150	
Adjusting Shim Pads.....	400	
EVO Intake Gaskets.....	220	
Ported Intake Manifolds/Throttle Body.....	850	
Stock Head.....	1995	Core*
Options: Adjusting Shim Pads.....	400	

Core\*

No Deposit required as BMW Owner Supplies their own Core for rebuilding

### M5 & M6 - S38 / S88

M5 & M6 '85-'93

		Core Deposit
Sport Head, 29.5mm Ports.....	2995	Core*
Options: Adjusting Shim Pads.....	500	
Rally Head, 31mm Ports.....	3295	Core*
Options:		
Rally Camshaft.....	1000	500
Clearance Cam Box for Rally Cam.....	200	
Adjusting Shim Pads.....	500	
Ported Intake Manifolds.....	900	
Stock Head.....	2295	Core*
Options: Adjusting Shim Pads.....	500	

### M42 & M44 Engines

M42: (E30 '90-'91), (E36 '92-'95), (Z3 '95)

M44: (E36/5 318ti '96-'98), (E36 318i '96-'98), (Z3 '96-'98)

Sport or Rally Head, M42.....	1795	750
Head Upgrade, from 7mm to 6mm Valvetrain.....	350	
Sport or Rally Head, M44.....	1995	750
Includes 6% Flow Increase, Surface Turbulence Valves, Manganese Valve Guides, MM "Bee Hive" Valve Springs & Lightweight Retainers		

### M50/M50tu/S50/S52/M52/M52tu/M54

M50 Non-Vanos: 325i, 525i '91-'92

M50tu: 325i, 525i '93-'95

M52: 328i, 528i '96-'97

M52tu: 232i, 328i, 528i, Z3 2.3 & 2.8 '99 -'2000

M54: 325i, 230i '01-'06

S50: M3 '95

S52: M3 '96-'99

Sport or Rally Head.....	2795	1000
Includes 6% Flow Increase, Surface Turbulence Valves, Manganese Valve Guides, MM "Bee HIve" Valve Springs & Lightweight Retainers		
Stock Head.....	2195	
Stock Head: cleaned, glass beaded, 3 angle valve job, reconditioned valves, manganese bronze valve guides, "Bee Hive" valve springs, & retainers		



## Cams & Head Parts

### Camshafts

		Core Deposit
<b>4 Cylinder M10 Sport/Rally Camshaft</b>		
290° Duration/10.75mm Lift.....	600	150
<b>6 Cylinder M30 Sport/Rally Camshaft</b>		
290° Duration/10.75mm Lift.....	750	150
<b>Baby Six M20 Sport Camshaft</b>		
286° Intake Lobe Duration/11.75mm Lift.....	750	150
260° Exhaust Lobe Duration/11.2mm Lift		
<b>Baby Six M20 Rally Camshaft</b>		
286° Intake Lobe Duration/11.75mm Lift.....	850	150
272° Exhaust Lobe Duration/11.75mm Lift		
<b>M3 - S14 Rally Intake Camshaft</b>		
276° Duration/11.3mm Lift.....	750	300
<b>M3 - S14 Race Camshafts</b>		
290° Intake Duration/11.7mm Lift.....	750	300
276° Exhaust Duration/11.3mm Lift.....	750	300
<b>M5/M6 - S38/S88 Rally Intake Camshaft</b>		
276° Duration/11.3mm Lift.....	1000	500
<b>M50, M50tu, M52, S50, S52 Sport Camshaft</b>		
262° Intake Duration/11.15mm Lift.....	800	500
<b>M50, M50tu, M52, S50, S52 Rally Camshafts</b>		
272° Intake Duration/11.4mm Lift.....	800	500
258° Exhaust Duration/10.9mm Lift.....	800	500
<b>M42 - M44 Sport Intake Camshaft</b>		
258° Intake Duration/11.15mm Lift.....	600	250
<b>M42 - M44 Rally Camshaft</b>		
272° Intake Duration/11.4mm Lift.....	600	250
258° Exhaust Duration/11.15mm Lift.....	600	250
<b>M42 - M44 Turbo Camshaft</b>		
258° Intake Duration/11.15mm Lift.....	600	250
258° Exhaust Duration/11.15mm Lift.....	600	250

### Head & Valve Train Parts

MM Outer Valve Springs.....	20	Each
<i>Use with stock inner spring on S14, S38, M20 &amp; late M30</i>		
MM Rally Valve Spring Set <b>SOHC</b> .....	45	Each
<i>for M10 &amp; early M30 Sport/Rally Heads</i>		
<i>also M20 IF you no longer have Inner Spring, Retainer &amp; Perch</i>		
<i>Includes Inner and Outer Spring, Retainer, Perch &amp; Shim</i>		
MM Rally Valve Spring Set <b>DOHC</b> .....	45	Each
<i>for M42, M44, M50, M50tu, M52, S50, S52 Sport/Rally Heads</i>		
<i>Includes Inner and Outer Spring, Retainer, Perch &amp; Shim</i>		

### Head & Valve Train Parts - Continued

<b>NEW</b> Valve Compression Tool for M42, M50, S52-M54		1 <sup>LB</sup> 2 <sup>OZ</sup>
Valve Compression Tool <i>Sold with Valve Spring Purchase</i>	30	
Valve Compression Tool - <i>Sold Alone</i>	50	1 <sup>LB</sup> 2 <sup>OZ</sup>
Valve Guides, Manganese Bronze each	15	
Rocker Arms: M10, M20, M30 Inspected	40	
Dual Chamber Sprayer Bar M30 Engine	125	
Distributor Cam Conversion Nut M30	125	
Adjustable Cam Sprocket M10	175	
Adjustable Cam Sprocket M30	200	
Single Row Timing Chain Conversion, M10	200	
Single Row Timing Chain Conversion, S14		
Using Cam Sprockets provided by customer	250	
Single Row Timing Chain Conversion, S14		
Using NEW Cam Sprockets at \$225 each	700	
Single Row Timing Chain Conversion, M42/M44		
Using Cam Sprockets provided by customer	250	
Single Row Timing Chain Conversion, M42/M44		
Using NEW Cam Sprockets at \$50 each	350	

### Head Gaskets & Head Bolts

<b>M10 Engines</b>	
Head Gasket, 94mm Big Bore.....	140
<b>S14 Engines</b>	
Head Gasket, 94.5mm.....	140
<b>M30, S38, Engines</b>	
Head Gasket, 94.5mm & 95.5mm.....	195
<b>Baby Six, M20 Engines</b>	
Head Gasket, Improved Water Flow.....	140
Head Bolts, Set of 14 Socket, 10mm x 150mm long ....	140
<b>M50, M52, S50, S52,</b>	
Head Gasket, Improved Water Flow.....	140

### Block Parts

Sport/Rally Forged Alusil w/ moly coated skirts		
Hard Anodized - 10.25 - 11.0:1 .....	275	Each
Moly Rings.....	40	Each
Rally Rods "H" Beam.....	195	Each
Rod Bearing, Coated Tri-Metal.....	45	Each
Main Bearing, Coated & 360° Oil Groove .....	45	Each
<i>Required on the 360° Main Bearings: Labor for machining</i>		
<i>Main Bearing Cap Lock Tang groove.....</i>	25	Per Cap



## Ultimate Transmission Rebuilds

### 4 Cylinder Getrag Transmissions

<b>320i ≥ '80 -'82</b>	Core Deposit
Getrag 245.....	3495 1500
Getrag 245 Sport OD.....	4995 1500
<b>318i ≥ '85, 318is '89-'90,</b>	
Getrag 240.....	3495 750
<b>2002, 320i '71-'79</b>	
Getrag 232, 4 Speed.....	2995
Getrag 242, Close Ratio 4 Speed.....	4995 *Core
Getrag 242, Close Ratio 4 Speed.....	8295 **

\*\*Note: MM supplies core

### 6 Cylinder Getrag Transmissions

<b>E28 5-Series, E24 6-Series, E23 7-Series</b>	
<b>from '80 ≥ '82 + '85, &amp; E30 M3 '88 ≥ '91</b>	
Getrag 265.....	3995 1500
Getrag 265 Sport OD.....	5495 1500
<b>Euro 635csi &amp; M535i '79 ≥ '84</b>	
Getrag Sport 262, 265 Sport CR.....	4495 * Core
<b>E30 325i &amp; 325e - all years</b>	
<b>E28 5-Series '84, '86-'88, E24 6-Series '84, '86 -'89</b>	
Getrag 260.....	3495 900
Late 260 5/6/7 series '86-'88.....	3995 900
<b>Euro 635csi &amp; M535i '79 ≥ '84</b>	
<b>Z3 1.9 &amp; 2.5, E36 325i &amp; 323i, E46 323i '92 &gt;</b>	
Getrag 250.....	3495 600
<b>M5, M6 '87 ≥ '91 + Euro M5/M6 '85 ≥ '91</b>	
Getrag 280 Please See 265 Conversion	
<b>E46 M3 2001-2007, 540i, M5, Z8, Euro E36 M3</b>	
Getrag 420.....	4995 * Core

### 6 Cylinder ZF Transmissions

<b>E36: M3, 328i, E46: 328i, 330i, E39: 528i, 530i</b>	
ZF S5-31.....	3995 800

## Ultimate Transmission Conversions

### 5 Speed Conversions

	Core Deposit
Getrag 245 + Kit for 2002 4 Speed.....	6995 200
Getrag 240 w/ Speed-o-Drive.....	6295
Getrag 240 GPS Speedo Needed.....	5495
ZF S5-31 CR + Kit for 325i/e '84 -'91.....	5495 200
Getrag 265 + Kit Conversion for 280 M5/M6	
Alternative Upgrade for the Stock 280 Getrag.....	6995
NEW Driveshaft Not included in conversion kit.....	800
MM Cross Member Mount.....	600
Bolts with Stock 4 speed location	

\*Core: No deposit required as BMW owner supplies their own Core for rebuilding.

CR = Close Ratio

OD = Overdrive

MM = Metric Mechanic





## Differentials

### MM Variable Limited Slips

All BMW Models ≥'98, (includes 2002, E9, E21, E12, E23, E24, E28, E30, E31, E32, E34, E36/M3, E36/5, 318ti, Z3, Z3M Coupe and Z3M Roaster: 1st Gen -168 & 188 Differentials- Z3, M23, M23 Coupe

Variable Limited Slip 2 Disc .....	1695	400-800
Sport Variable Limited Slip 3 Disc .....	1795	400-800
Rally Variable Limited Slip 4 Disc .....	1795	400-800
Standard LS Differentials.....	1595	600
Standard Open, Non Limited Slip .....	1495	600
E9 Sideloader, Non Limited Slip .....	1695	600
E9 & E12 Sideloaders, VLS 2 Disc.....	1995	600 +
2002 Tii, VLS 2 Disc .....	2995 <sup>350</sup>	<b>E46,</b>

### E39 (6 cyl. only) '99 and later, 2nd Gen -188 Differentials

Sport Variable Limited Slip 3 Disc .....	2995	700
Additional Charge for Gear Change Ratio .....	450+	
Replace Differential Bushings.....	200	
HiTorque Flanges, Pair.....	800	

### All M5's, 8 Series,

#### E32 740i & 750i - 1st Gen 210 Differentials

(Excluding E60 & E65)

Sport Variable Limited Slip 2 Disc .....	2495	1200
Additional Charge for Gear Change Ratio .....	450-750	

### E39-540i, E38-740i - 2nd Gen - 210 Differentials

#### Z8, E52 - 2nd Gen - 210/215 Differentials

Quaife		
Conversion/Retrofit .....	1750	No Deposit
Owner must provide their own Quaife Unit & Core		
Please call for gear options & more information.		

### E90, 323i, 325i, 328i, 330i, 2004 > 3rd Gen -188 Differentials

Quaife		
Conversion/Retrofit with carrier tapered Roller Bearing		
for greater load carrying capacity .....	2000	No Deposit
Owner must provide their own Quaife Unit & Core		

### E90 & E92 335i 2006 > 3rd Gen 210/215 Differentials

Quaife		
Conversion/Retrofit with carrier tapered Roller Bearing		
for greater load carrying capacity .....	1800	No Deposit
Owner must provide their own Quaife Unit & Core		

## Flywheels & Clutch Assemblies

### Lightened Single Mass Flywheels

Core Deposit

Most Models ≥'88,  
Including E30 M3 & E34 M5  
Using a single stock mass Flywheel ..... 450 250

Models '89 >  
With Dual Mass Flywheels, require Conversions shown below

### Converting from Dual to Single Mass - Lightened Flywheel & Clutch Combinations

**E30 325i/s** with a MM 3000 or 3200 Rally Engine  
MM 12 lb. Lightened Single Mass Flywheel  
& 240 mm Clutch Assembly ..... 1250  
M30 Flywheel required for core deposit refund..... 250

### E30 318is & All 4 Cyl E36 & Z3 Models

MM 11 lb. Lightened Single Mass Flywheel  
& 228 mm Clutch Assembly ..... 1250  
M42 or M44 Flywheel Ring Gear  
required for core deposit refund ..... \*250

### E36 325is, '92 - '98

MM 11 lb. Lightened Single Mass Flywheel  
& 228 mm Clutch Assembly ..... 1250  
M50 Flywheel Ring Gear  
required for core deposit refund ..... \*250

### E36 M3 328i, E34 535i, '89 - '93

MM 12.5 lb. Lightened Single Mass Flywheel  
& 240 mm Clutch Assembly ..... 1250  
M50, M52, S50, S52 Flywheel Ring Gear  
required for core deposit refund ..... \*250

\* Stock Dual Mass Ring Gear required for core  
- remove and return or just return the entire Flywheel

### Clutch Upgrades

HiTorque Clutch Assembly 228mm ..... 475  
HD Clutch Assembly 240mm ..... 750  
HiTorque Clutch Assembly 240mm ..... 900

For Additional Racing Products,  
please call for more information - 1-573-765-1269

### Differential Terminology

LS = Limited Slip                      1st Gen = Longer Pinion Shaft  
VLS = Variable Limited Slip        2nd Gen = Short Pinion Shaft  
3rd Gen = Very Short Pinion Shaft



## Intake & Exhaust

### Intake

Core Deposit

M20 Pulse Chamber Intake Manifold .....	1500	250	
M42 Pulse Chamber Intake Manifold .....	1250	250	12 <sup>18</sup> 0 <sup>02</sup>
Ported Intake Manifolds			
3, 5, 6, 7 Series 1984 - 1991.....	750	150	
Ported Intake Manifolds M3 S14 Rally ....	600	* Core	
Ported Intake Manifolds/Throttle Body			
M3 S14 Race .....	850	* Core	
Ported Intake Manifolds			
M5/M6 S38 Rally.....	900	* Core	
38 DGES Carburetor Kit & Manifold....	995	300	

Core\*

*No Deposit as BMW Owner Supplies their own Core for rebuilding*