

COMPLETE SHARK INJECTOR LINE

1996-2006 BMW, MINI Performance Software



Toll-Free Phone: 800-280-6966

updated May 2015

BMW Model	Trans Type	Engine Code	Production Dates	Waiver Y/N*	Retail Price	Shark Injector File #	Min. Octane	Rev Limit	Notes and Special Programming
E36 323/328i/is/ic (M52 engine, MS41 engine management)									
323is/ic	M/A	M52	96-99	N	\$ 349.00	N3MS41	91	7000	
328i/is/ic	M/A	M52	96-99	N	\$ 349.00	N3MS41	91	7000	
	M/A	M52	96-99	N	\$ 349.00	N328CAMS	91	7000	US M3 camshafts, M50 manifold
E36 M3 (S52B32US engine, MS41 engine management)									
	M/A	S52	96-99	N	\$ 349.00	N3MS41	91	7000	
	M	S52	96-99	N	\$ 449.00	N3TKIT	91	7000	Stage 2 Kit - HFM/injectors Kit
	M	S52	96-99	N	\$ 449.00	N3TCAM	91	7000	Stage 3 Kit - HFM/Injectors/Schrick Cams
	M	S52	96-99	N	\$ 349.00	N3M3CAMS	91	7000	Stage 3+ Kit - HFM/Injectors/Schrick Cams, M50 manifold
	M	S52	96-99	N	\$ 449.00	N3THDR	91	7000	Stage 4 Kit - HFM/Injectors/Cams/Headers
	M	S52	96-99	N	\$ 449.00	N3M3CRH	91	7000	Stage 4+ Kit - HFM/Injectors/Cams/Headers, M50 manifold
	M	S52	96-99	Y	\$ 449.00	N3TKAT	91	7000	Stage 5 Kit - HFM/Injectors/Cams/Headers/No Cats
	M	S52	96-99	--	+\$50.00	-SS	91	7000	add EWS-delete and speed sensor delete to any "N3Txxx" file
E39 528i/iT (M52 and M52TU engines, MS41 and MS42 engine management)									
	M/A	M52	97-98	N	\$ 349.00	N3MS41	91	7000	
	M/A	M52TU	99-00	N	\$ 349.00	N4MS42	91	7000	
E39 525/530i/iT (M54 engine, MS43 engine management)									
525i	M/A	M54	01-03	N	\$ 349.00	N4MS4352	91	7000	
	M/A	M54	01-03	N	\$ 349.00	N4MK4352	91	7000	anti-knock software for poor fuel quality
530i	M/A	M54	01-03	N	\$ 349.00	N4MS4353	91	7000	
	M/A	M54	01-03	N	\$ 349.00	N4MK4353	91	7000	anti-knock software for poor fuel quality
E39 M5 (S62 engine, MSS52 engine management)									
	M	S62	00-03	N	\$ 349.00	N4M5	91	7400	
	M	S62	00-03	N	\$ 349.00	N4M5BMRL	91	7400	Euro throttle settings
	M	S62	00-03	N	\$ 349.00	N4M5STL	91	7000	stock rev limit
	M	S62	00-03	N	\$ 349.00	N4M5BSRL	91	7000	stock rev limit, Euro throttle settings
	M	S62	00-03	N	\$ 349.00	N4M5OCT	93	7400	
	M	S62	00-03	N	\$ 349.00	N4M5BMRH	93	7400	Euro throttle settings
	M	S62	00-03	N	\$ 349.00	N4M5STO	93	7000	stock rev limit
	M	S62	00-03	N	\$ 349.00	N4M5BSRH	93	7000	stock rev limit, Euro throttle settings
	M	S62	00-03	N	\$ 349.00	N4M5DSC	91	7400	DSC button controls Sport mode
	M	S62	00-03	N	\$ 349.00	N4M5DSO	93	7400	DSC button controls Sport mode

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M5	M	S62	00-03	N	\$ 349.00	N4M5MEM	91	7400	Sport mode memory
	M	S62	00-03	N	\$ 349.00	N4M5MEO	93	7400	Sport mode memory
	M	S62	00-03	Y	\$ 349.00	N4M5BMSL	91	7400	SAI monitoring disabled, Euro throttle settings
	M	S62	00-03	Y	\$ 349.00	N4M5BSSL	91	7000	SAI disabled, stock rev limit, Euro throttle settings
	M	S62	00-03	Y	\$ 349.00	N4M5BMSH	93	7400	SAI monitoring disabled, Euro throttle settings
	M	S62	00-03	Y	\$ 349.00	N4M5BSSH	93	7000	SAI disabled, stock rev limit, Euro throttle settings
	M	S62	00-03	Y	\$ 349.00	N4M5KAT	91	7400	no cats, SAI monitoring disabled
	M	S62	00-03	Y	\$ 349.00	N4M5BROL	91	7400	no cats, SAI disabled, Euro throttle settings
	M	S62	00-03	Y	\$ 349.00	N4M5KAO	93	7400	no cats, SAI monitoring disabled
	M	S62	00-03	Y	\$ 349.00	N4M5BROH	93	7400	no cats, SAI disabled, Euro throttle settings
E46 323/328i/Ci/iT (M52TU engine, MS42 engine management)									
	M/A	M52TU	99-00	N	\$ 349.00	N4MS42	91	7000	
E46 325/330i/Ci/iT/xi (M54 engine, MS43 or MS45 engine management)									
325i/Ci/iT	M/A	M54	01-2/03	N	\$ 349.00	N4MS4325	91	7000	
	M/A	M54	01-2/03	N	\$ 349.00	N4MK4325	91	7000	anti-knock software for poor fuel quality
	M/A/SMG	M54/M56	3/03-06	N	\$ 349.00	N7M45325	91	7000	M54 after Feb, 2003, all M56
325xi AWD	M/A	M54	01-06	N	\$ 349.00	N4MS4325	91	7000	all E46 325xi (MS43 DME)
330i/Ci	M/A	M54	01-2/03	N	\$ 349.00	N4MS4330	91	7000	
	M/A	M54	01-2/03	N	\$ 349.00	N4MK4330	91	7000	anti-knock software for poor fuel quality
	M/A	M54	3/03-06	N	\$ 349.00	N7M45330	91	7000	incl 330i ZHP
330xi AWD	M/A	M54	01-06	N	\$ 349.00	N4MS4330	91	7000	all E46 330xi (MS43 DME)
E46 M3 (S54 engine, MSS54 engine management)									
	M/SMG	S54	01-06	N	\$ 349.00	N4MSS54	91	8100	
	M/SMG	S54	01-06	N	\$ 349.00	N4S54OCT	93	8100	
	M/SMG	S54	01-06	N	\$ 349.00	N4S54STL	91	8000	stock rev limit
	M/SMG	S54	01-06	N	\$ 349.00	N4S54STO	93	8000	stock rev limit
	M/SMG	S54	01-06	N	\$ 349.00	N4S54DSC	91	8100	DSC button controls Sport mode
	M/SMG	S54	01-06	N	\$ 349.00	N4S54DSO	93	8100	DSC button controls Sport mode
	M/SMG	S54	01-06	N	\$ 349.00	N4S54MEM	91	8100	Sport mode memory
	M/SMG	S54	01-06	N	\$ 349.00	N4S54MEO	93	8100	Sport mode memory
	M/SMG	S54	01-06	Y	\$ 349.00	N4S54HDR	93	8100	Euro Headers/Cats, no EGT sensor
	M/SMG	S54	01-06	Y	\$ 349.00	N4S54KAT	91	8100	Headers/No Cats
	M/SMG	S54	01-06	Y	\$ 349.00	N4S54KAO	93	8100	Headers/No Cats
	M/SMG	S54	01-06	Y	\$ 349.00	N4S54MT2	93	8600	headers/no cats, 8600rpm rev limit, race-use only
E53 X5 3.0 (M54 engine, MS43 engine management)									
X5 3.0	M/A	M54	01-05	N	\$ 349.00	N4MS43X5	91	7000	X5 3.0-liter engine only
	M/A	M54	01-05	N	\$ 349.00	N4MK43X5	91	7000	X5 3.0-liter engine only, anti-knock software for poor fuel quality

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E83 X3 (M54 engine, MS43 engine management)									
X3 2.5	M/A	M54	04-05	N	\$ 349.00	N745X325	91	7000	
X3 3.0	M/A	M54	04-05	N	\$ 349.00	N745X330	91	7000	
Z3 2.3/2.5/2.8/3.0 Coupe/Roadster (M52TU engine, MS42 engine management, (M54 engine, MS43 engine management)									
Z3 2.3 (2.5)	M/A	M52TU	99-00	N	\$ 349.00	N4MS42	91	7000	
Z3 2.5i	M/A	M54	01-02	N	\$ 349.00	N4MS43Z3	91	7000	
	M/A	M54	01-02	N	\$ 349.00	N4MK43Z3	91	7000	anti-knock software for poor fuel quality
Z3 2.8	M/A	M52	97-98	N	\$ 349.00	N3MS41	91	7000	
	M/A	M52	97-98	N	\$ 349.00	N328CAMS	91	7000	US M3 camshafts, M50 manifold
	M/A	M52TU	99-00	N	\$ 349.00	N4MS42	91	7000	
Z3 3.0	M/A	M54	01-02	N	\$ 349.00	N4MS43Z3	91	7000	
	M/A	M54	01-02	N	\$ 349.00	N4MK43Z3	91	7000	anti-knock software for poor fuel quality
Z3 M Coupe/Roadster (S52B32US engine, MS41 engine management)									
	M	S52	98-00	N	\$ 349.00	N3MS41	91	7000	
	M	S52	98-00	N	\$ 449.00	N3TKIT	91	7000	Stage 2 Kit - HFM/injectors Kit
	M	S52	98-00	N	\$ 449.00	N3TCAM	91	7000	Stage 3 Kit - HFM/injectors/Schrick Cams
	M	S52	98-00	N	\$ 349.00	N3M3CAMS	91	7000	Stage 3+ Kit - HFM/injectors/Schrick Cams, M50 manifold
	M	S52	98-00	N	\$ 449.00	N3THDR	91	7000	Stage 4 Kit - HFM/injectors/Cams/Headers
	M	S52	98-00	N	\$ 449.00	N3M3CRH	91	7000	Stage 4+ Kit - HFM/injectors/Cams/Headers, M50 manifold
	M	S52	98-00	Y	\$ 449.00	N3TKAT	91	7000	Stage 5 Kit - HFM/injectors/Cams/Headers/No Cats
	M	S52	98-00	--	+\$50.00	-SS	91	7000	add EWS-delete and speed sensor delete to any "N3Txxx" file
Z3 M Coupe/Roadster (S54 engine, MSS54 engine management)									
	M	S54	01-02	N	\$ 349.00	N4MSS54	91	8100	
	M	S54	01-02	N	\$ 349.00	N4S54OCT	93	8100	
	M	S54	01-02	N	\$ 349.00	N4S54STL	91	7600	stock rev limit
	M	S54	01-02	N	\$ 349.00	N4S54STO	93	7600	stock rev limit
	M	S54	01-02	N	\$ 349.00	N4S54DSC	91	8100	DSC button enables Sport mode
	M	S54	01-02	N	\$ 349.00	N4S54DSO	93	8100	DSC button enables Sport mode
	M	S54	01-02	Y	\$ 349.00	N4S54KAT	91	8100	Headers/No Cats
	M	S54	01-02	Y	\$ 349.00	N4S54KAO	93	8100	Headers/No Cats
	M	S54	01-02	Y	\$ 349.00	N4S54EGT	91	8100	Euro Headers/Cats, EGT threshold mods
	M	S54	01-02	Y	\$ 349.00	N4S54OGT	93	8100	Euro Headers/Cats, EGT threshold mods
Z4 2.5/3.0 (M54 engine, MS43 engine management)									
Z4 2.5	M/A	M54	03-05	N	\$ 349.00	N75Z425	91	7000	
Z4 3.0	M/A	M54	03-05	N	\$ 349.00	N75Z430	91	7000	

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Z8 Roadster (S62 engine, MSS52 engine management)									
	M	S62	99-04	N	\$ 349.00	N4M5	91	7400	
	M	S62	99-04	N	\$ 349.00	N4M5BMRL	91	7400	Euro throttle settings
	M	S62	99-04	N	\$ 349.00	N4M5STL	91	7000	stock rev limit
	M	S62	99-04	N	\$ 349.00	N4M5BSRL	91	7000	stock rev limit, Euro throttle settings
	M	S62	99-04	N	\$ 349.00	N4M5OCT	93	7400	
	M	S62	99-04	N	\$ 349.00	N4M5BMRH	93	7400	Euro throttle settings
	M	S62	99-04	N	\$ 349.00	N4M5STO	93	7000	stock rev limit
	M	S62	99-04	N	\$ 349.00	N4M5BSRH	93	7000	stock rev limit, Euro throttle settings
	M	S62	99-04	N	\$ 349.00	N4M5DSC	91	7400	DSC button controls Sport mode
	M	S62	99-04	N	\$ 349.00	N4M5DSO	93	7400	DSC button controls Sport mode
	M	S62	99-04	N	\$ 349.00	N4M5MEM	91	7400	Sport mode memory
	M	S62	99-04	N	\$ 349.00	N4M5MEO	93	7400	Sport mode memory
	M	S62	99-04	N	\$ 349.00	N4M5BMSL	91	7400	SAI monitoring disabled
	M	S62	99-04	N	\$ 349.00	N4M5BSSL	91	7000	SAI disabled, stock rev limit, Euro throttle settings
	M	S62	99-04	N	\$ 349.00	N4M5BMSH	93	7400	SAI monitoring disabled
	M	S62	99-04	N	\$ 349.00	N4M5BSSH	93	7000	SAI disabled, stock rev limit, Euro throttle settings
	M	S62	99-04	Y	\$ 349.00	N4M5KAT	91	7400	no cats, SAI monitoring disabled
	M	S62	99-04	Y	\$ 349.00	N4M5BROL	91	7400	no cats, SAI disabled, Euro throttle settings
	M	S62	99-04	Y	\$ 349.00	N4M5KAO	93	7400	no cats, SAI monitoring disabled
	M	S62	99-04	Y	\$ 349.00	N4M5BROH	93	7400	no cats, SAI disabled, Euro throttle settings
MINI Cooper S R52/R53 (not JCW)									
	M	1.6L s/c	02-06	N	\$ 349.00	N6MINISL	91	7000	15% supercharger pulley
	M	1.6L s/c	02-06	N	\$ 349.00	N6MINISH	93	7000	15% supercharger pulley

Waiver* - these files are intended for off-road or track vehicles only and will not pass state or federal emissions tests. A signed waiver is required.

Shark Service Items (in-house Shark Injector Upgrades, Updates, Service work)

Note: Shark Injectors should be in a Restore status. If left in Upgrade status, certain work may not be possible.

ITEM CODE	COST	DESCRIPTION
SHARK TEST	\$ -	Programming and function test of Shark Injector. This is done on every Shark, regardless of service work.
SHARK UPGRADE	\$ 150.00	Upgrade from one file to another.
SOFT RESET	\$ 50.00	Removes car and useage info but keeps the existing tune. Can only be done with a Shark in Restore status.
LOAD UPDATE	\$ -	Updates the current tune to be compatible with all known versions of stock BMW software for that model. Done on every Shark.
147 UPDATE	\$ -	Updates the current tune to be compatible with the new version of stock BMW software installed on the car.
162 UPDATE	\$ -	Updates the Shark hardware to only confirm the last 7 digits of the VIN (instead of all 17 digits). Checked and updated on every Shark.
SWITCH OCTANE	\$ -	Change from one octane setting to another.