



SHORT-THROW SHIFTERS



TURBO FUSE OVERBOOST PROTECTION



MACH 1 TMS VALVE



RESPONS TMS VALVE



DECEPTOR PRO TMS VALVE

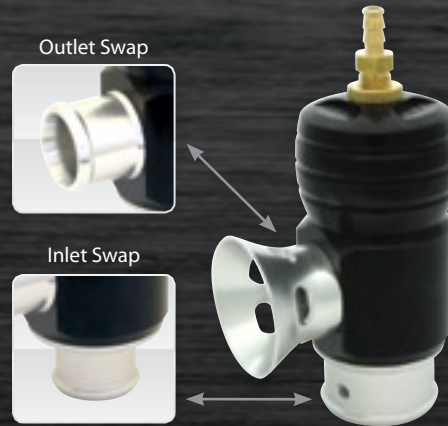
Go Fast. Go Faster. Go Fastest.

**GFB**  
GO FAST BITS

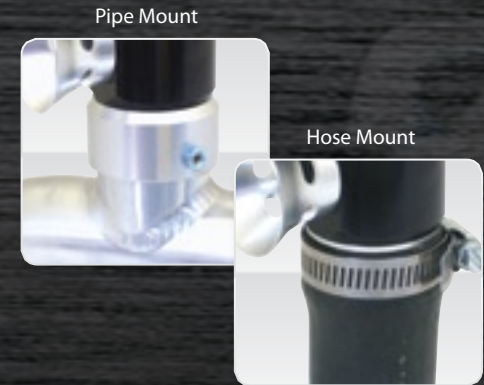
# Can't find your car on the application guide, or have custom intercooler piping? Build your own GFB valve to suit!

The modular design of GFB valves means that it's easy to swap the inlet and outlet fittings to suit your application.

Simply choose the universal version of the valve you're looking for, and then determine which inlet and outlet sizes best suit your needs.



There are two types of inlet fittings: hose mount and pipe mount. Hose mount fittings are available to fit a wide range of common hose sizes, and for custom installation onto an aftermarket intercooler, pipe mounting is usually the preferred method. Note that the standard universal fitting supplied on most GFB valves (5035 or 5335) is capable of both hose *and* pipe mounting.



TMS VALVE TYPE	ADAPTOR TYPE	FITS 19MM (3/4") I.D. HOSE	FITS 25MM (1") I.D. HOSE	FITS 30MM (1-1/8") I.D. HOSE	FITS 33MM (1-1/4") I.D. HOSE	FITS 35MM (1-3/8") I.D. HOSE OR 25.4MM (1") O.D. PIPE	FITS 38MM (1-1/2") O.D. PIPE
<b>Bold type</b> indicates this part is supplied as standard with the valves shown							
<b>MACH 1 (1001)</b> <b>HYBRID (1003)</b> <b>BASIC (1004)</b>  *Outlet not applicable	<b>INLET</b> (Base fitting)	 5020	 5025	 5030	 <b>5035</b>	 <b>5035</b>	 5038
	<b>OUTLET</b> (Side fitting for recirc venting configuration)	 5220	 5225	 <b>5230</b>	 5233		
	<b>RECIRC HOSE PLUG</b> (For full atmo-venting setup)	 5520	 5525	 <b>5530</b>	 5533		
<b>RESPONS (T9035)</b> <b>STEALTH FX (1008)</b> <b>DECEPTOR PRO (1025)</b> 	<b>INLET</b> (Base fitting)	 5320	 5325	 5330	 5333	 <b>5335</b>	 5338
	<b>OUTLET</b> (Side fitting)	 5220	 5225	 <b>5230</b>	 5233		



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SV45 TMS RACE DUMP VALVE



MACH 1 TMS VALVE



EX50 EXTERNAL WASTEGATE



ATOMIC BOOST CONTROLLER



LIGHTWEIGHT ALLOY PULLEY KITS

**GFB**  
GO FAST BITS

Go Fast. Go Faster. Go Fastest.

# TMS - TURBO MANAGEMENT SYSTEMS: DON'T THROW YOUR BOOST AWAY... INCREASE IT BY 40%!\*

GFB's TURBO MANAGEMENT SYSTEM (TMS) range offers multiple performance benefits over factory diverter valves:

## MORE POWER - OURS HOLDS THE BOOST, CAN YOURS?

Factory diverter valves are commonly known to leak or fail, especially with age or higher boost levels. A GFB TMS will hold as much boost as you can throw at it, 24/7 - **No frequent re-builds or replacement required.**

## BETTER RESPONSE THROUGH REDUCED TURBO LAG

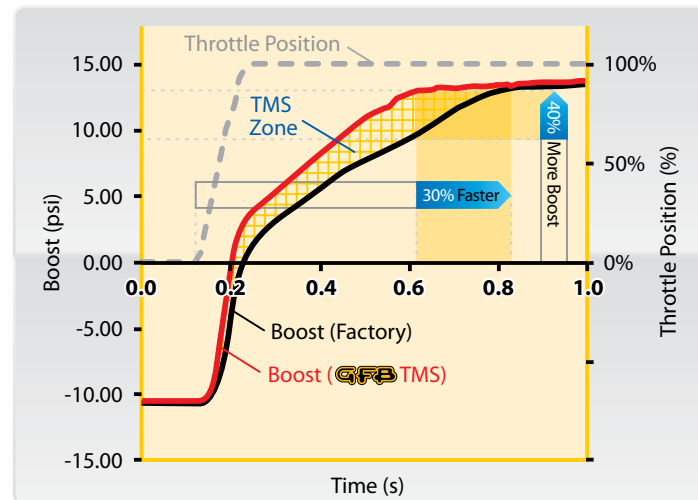
The GFB TMS is designed specifically to minimize lag - tests show that it can return the engine to peak boost **up to 30% faster** than a factory diverter when shifting gears, whilst delivering **up to 40%** more transitional boost\*.

## BETTER DRIVABILITY - SMOOTHER THAN STOCK

Factory diverters tend to operate either fully open or fully shut. This can cause annoying surging at freeway speeds, requiring constant throttle corrections to hold a steady speed. The GFB TMS completely eliminates this problem, making the car smoother to drive.

## GET THE SOUND - OR NOT, IT'S YOUR CHOICE

Want noise? GFB's Hybrid or patented Respos, Stealth FX and Deceptor Pro succeed where others have failed! By adjusting the venting ratio of atmosphere/recirc, you **CAN** achieve a sound **WITHOUT** throwing a CEL, running rich, stalling, using more fuel or causing any other problems commonly associated with atmo-venting valves.



(\*Chart shows comparative manifold boost pressure rise during 1st to 2nd gear shift as tested on a CA18DET with a T28 turbo. GFB TMS improvement is seen as a 30% faster return to peak boost, during which time up to 40% more boost is available)

MAKE	AUDI			DODGE	FORD				HOLDEN	MAZDA									
MODEL	A3/S3	A4	TT	Stealth	XR6	Territory	TX3	TX5	Commodore	3 MPS/ Mazdaspeed	6 MPS/ Mazdaspeed	CX7	MX-5	Mazdaspeed Miata	MX6/626	Starion	Cordia	Colt Ralliart	Lancer
CHASSIS	Typ 8L	B5-B6 (Typ 8D/8E/8H)	Typ 8N	R/T twin turbo	BA-BF	SY	KC-KH	AT	VL	C1	GG	All	SP	SE	GD	JA-JD	AA-AC	All	EVO I-III
ENGINE	1.8t	1.8t	1.8t	6G72	4.0L turbo	4.0L turbo	B6T/BPT	F2 turbo	RB30ET	MZR L3-VDT	MZR L3-VDT	MZR L3-VDT	BP-Z3	BP-4W	F2 turbo	4G63	4G62	4G15	4G63
DATE	96-04	94-05	99-06	90-96	02-07	06-07	85-95	87-92	86-88	06-on	06-on	06-on	02	04-05	88-92	82-88	83-88	06-on	92-96
RESPONS	T9025	T9025	T9025	T9033	T9025	T9025	T9020*	T9035†	T9035†	T9002	T9002	T9002	T9025	T9020	T9035†	T9035†	T9035†	T9033	T9033
HYBRID	1203	1203	1203	1303	-	-	1103*	1003†	1003†	1017	1017	1017	1203	1103	1003†	1003†	1003†	1303	1303
BASIC	-	-	-	1304	-	-	1104*	1004†	1004†	-	-	-	1204	1104	1004†	1004†	1004†	1304	1304
MACH 1	1201	1201	1201	1301	-	-	1101*	1001†	1001†	-	-	-	1201	1101	1001†	1001†	1001†	1301	1301
↳ ADAPTOR (Basic and Mach 1 only)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEALTH FX	1208	1208	1208	1012	1013	1013	1108*	1008†	1008†	-	-	-	1208	1108	1008†	1008†	1008†	1012	1012
DECEPTOR PRO	1225	1225	1225	1029	-	-	1125*	1025†	1025†	-	-	-	1225	1125	1025†	1025†	1025†	1029	1029
↳ ADAPTOR (Deceptor Pro and Stealth FX only)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ATOMIC	-	-	-	3001	-	-	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001
TURBO FUSE	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001
SHIFTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERDRIVE PULLEY KIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIGHTWEIGHT CRANK PULLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Not a direct bolt-on - requires modification of factory hoses. \*\* Direct bolt-on fit, but requires soft spring (part # 6116) to work correctly. † No factory valve fitted - custom fit required.

## MACH 1 TMS VALVE

- Advanced **TMS** benefits
- Spring pre-load adjustment for max. response
- Available as universal or direct-fit kit
- Venting configurations:
  - Full recirc (silent)
  - Full atmosphere (loud)

### Best choice for:

- Street/race cars where full recirculation venting is required, or
- Street/race cars where maximum noise is desired



## HYBRID ATMO/DIVERTER VALVE

- Spring pre-load adjustment for max. response
- Available as universal or direct-fit kit
- Venting configurations:
  - Full recirc (silent)
  - 50/50 (medium)
  - Full atmosphere (loud)

### Best choice for cost-effective venting bias adjustment



## BASIC RACE DUMP VALVE

- Spring pre-load adjustment for max. response
- Available as universal or direct-fit kit
- Venting configurations:
  - Full atmosphere only
- High flow

### Best choice for street/race cars up to 500hp where recirculation venting is not required



## RESPONS TMS VALVE

- Advanced **TMS** benefits
- Spring pre-load adjustment for max. response
- Available as universal or direct-fit kit
- Venting configurations:
  - Full progressive bias adjustment from recirc (silent) to atmosphere (loud)
  - Bias adjustment done manually via cap ring
  - Can be locked off in full recirc mode for legality purposes

### Best choice for:

- Quick and easy venting bias adjustment
- Achieving noise on a car that is sensitive to atmosphere venting e.g. VAG applications



## STEALTH FX TMS VALVE

- Advanced **TMS** benefits
- Spring pre-load adjustment for max. response
- Available as universal or direct-fit kit
- Venting configurations:
  - Full progressive bias adjustment from recirc (silent) to atmosphere (loud)
  - Bias adjustment done manually via cap ring

### Best choice for:

- Quick and easy venting bias adjustment
- Achieving noise on a car that is sensitive to atmosphere venting e.g. VAG applications



## DECEPTOR PRO TMS VALVE

- Advanced **TMS** benefits
- Spring pre-load adjustment for max. response
- Available as universal or direct-fit kit
- Venting configurations:
  - Full progressive bias adjustment from recirc (silent) to atmosphere (loud)
  - Bias adjustment done **electronically via in-car control module**

### Best choice for:

- Adjusting the venting bias on-the-fly
- Achieving noise on a car that is sensitive to atmosphere venting e.g. VAG applications



MITSUBISHI							
Lancer	Lancer	Lancer	3000GT/GTO	Galant VR4	Galant/Legnum VR4	Eclipse/Eagle Talon	Eclipse/Eagle Talon
EVO IV-IX	EVO X	Ralliart	VR-4	E38A-E39A	E84A/EC5A-EC5W	1G	2G
4G63	4B11T	4B11T	6G72	4G63	6A12TT/6A13TT	4G63t	4G63t
96-07	07-on	08-on	90-01	87-92	92-03	90-94	95-99
T9033	T9033	T9033	T9033	T9002	T9033	T9002	T9033
1303	1303	1303	1303	1017	1303	1017	1303
1304	1304	1304	1304	1004	1304	1004	1304
1301	1301	1301	1301	1001	1301	1001	1301
-	-	-	-	5104	-	5104	-
1012	1012	1012	1012	1011	1012	1011	1012
1029	1029	1029	1029	1028	1029	1028	1029
-	-	-	-	-	-	-	-
3001	3001	3001	3001	3001	3001	3001	3001
8001	8001	8001	8001	8001	8001	8001	8001
-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

NISSAN									
Silvia/180SX	Silvia/180SX	Silvia/200SX	Skyline GTS-t	Skyline GTS-t/GT-T	GT-R	Pulsar SSS/NX Coupe	Pulsar GTI-R	300ZX	
S13	S13	S14-15	R32	R33-R34	R35	N14-15/B13	N14	Z32	
CA18DET	SR20DET	SR20DET	RB20DET	RB25DET	VR38DETT	SR20DE	SR20DET	VG30DETT	
88-90	91-98	94-02	89-94	93-03	07-on	90-00	90-94	89-00	
T9035 <sup>1</sup>	T9035	T9004	T9002	T9002	T9202	-	T9035**	T9035 (x2)	
1003 <sup>1</sup>	1003	-	1017	1017	1018	-	1003**	1003 (x2)	
1004 <sup>1</sup>	1004	1004	-	1004	-	-	1004**	1004 (x2)	
1001 <sup>1</sup>	1001	1001	-	1001	-	-	1001**	1001 (x2)	
-	-	5109	-	5104	-	-	-	-	
1008 <sup>1</sup>	1008	1010	-	1011	1014	-	1008**	1008 (x2)	
1025 <sup>1</sup>	1025	1027	-	1028	-	-	1025**	1025 (x2)	
-	-	-	-	-	-	-	-	-	
3001	3001	3001	3001	3001	-	-	3001	3001	
8001	8001	8001	8001	8001	8001	-	8001	8001	
-	-	-	-	-	-	-	-	-	
-	2005	2005	-	-	-	2007	-	2006	
-	-	-	-	-	-	-	-	-	

ŠKODA		SEAT							
Octavia	Ibiza Cupra	León	Impreza WRX/STi	Impreza WRX/STi	Impreza WRX/STi	Impreza WRX/STi	Impreza WRX/STi	Impreza WRX/STi	Impreza WRX/STi
Mk1 (1U)	Mk2-Mk3	Mk1	GC8-GF8	GC8-GF8	GC8-GF8	GC8-GF8	GC8-GF8	GC8-GF8	GC8-GF8
98-06	99-08	99-05	EJ20T	EJ20T	EJ20T	EJ20T	EJ20T	EJ20T	EJ20T
-	-	-	MY94-96	MY97-98	MY99-00	MY99-00	MY99-00	MY99-00	MY99-00
T9025	T9025	T9025	T9020*	T9035	T9000	T9000	T9000	T9000	T9000
1203	1203	1203	1103*	1003	1016	1016	1016	1016	1016
-	-	-	1104*	1004	1004	1004	1004	1004	1004
1201	1201	1201	1101*	1001	1001	1001	1001	1001	1001
-	-	-	-	-	5101	5101	5101	5101	5101
1208	1208	1208	1108*	1008	1008	1008	1008	1008	1008
1225	1225	1225	1125*	1025	1025	1025	1025	1025	1025
-	-	-	-	-	5101	5101	5101	5101	5101
-	-	-	3001	3001	3001	3001	3001	3001	3001
-	8001	8001	8001	8001	8001	8001	8001	8001	8001
-	-	-	-	4001	4001	4001	4001	4001	4001
-	-	-	2003	2003	2002	2002	2002	2002	2002
-	-	-	2009	2009	2009	2009	2009	2009	2009

## SV45 TMS RACE DUMP VALVE

- Advanced **TMS** benefits
- Spring pre-load adjustment for max. response
- Large 45mm valve with GFB-pioneered angle-cut ports matched to the piston profile for a massive flow capacity
- Two springs supplied to allow use on both turbo/ supercharged applications
- Quick-connect fitting
- Venting configurations:
  - Full atmosphere only



**Best choice** for turbo or supercharged engines over 500hp where recirculation venting is not required



## ATOMIC MANUAL BOOST CONTROLLER

- Most reliable and cost effective boost control device on the market
- More stable boost curve than "ball-and-spring" types
- Simple installation, works on almost any turbo-charged engine, petrol or diesel, internal or external wastegate
- Set-and-forget
- Can be used in conjunction with factory boost control system, or stand-alone



## EX50 50mm EXTERNAL WASTEGATE

- High-flowing yet compact design
- High-temp stainless steel body, valve and seat ensure long-lasting operation
- Silicone nomex reinforced diaphragm
- The head can be oriented in 6 different positions to help installation in tight engine bays
- V-band connection for ease of installation



## TURBO FUSE OVERBOOST PROTECTION

- Protects the engine and turbo against potentially catastrophic overboost
- Adjustable trigger-point
- Works in conjunction with an existing or supplementary diverter of TMS valve to reduce boost pressure significantly once triggered, and resets once the throttle is closed
- Safer than fuel-ignition cut systems - engine power is reduced rather than completely cut when triggered



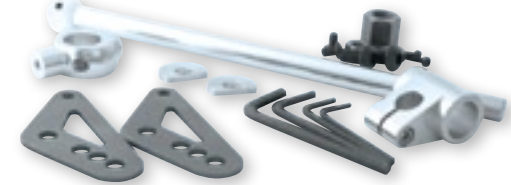
## LIGHTWEIGHT ALLOY PULLEY KITS

- Improved throttle response and acceleration through significant reduction of rotating mass
- Engine feels more free-revving
- **Under-driven** kits offer more power through reduction of parasitic losses from the accessories with NO adverse affects on their operation



## SHORT-THROW SHIFTERS

- Offers adjustable shift throw
- Unique linkage clamp allows shorter throw than any competitor
- Quick and easy installation from inside the car with basic tools - no need to crawl around underneath the car



SUBARU													TOYOTA				VW						
Impreza WRX	Impreza STi	Impreza WRX	Impreza STi	Impreza WRX	Impreza STi	Forester GT	Forester GT	Forester XT	Forester XT	Forester XT	Legacy/Liberty B4	Legacy/Liberty GT	Celica GT-Four	Celica GT-Four	Supra	Soarer	Bora	Golf GTI	Jetta	New Beetle	Passat	Polo GTI	
GGA	GDB-GGB	GDA-GGA	GDB-GGB	GH	GR	SF	SF	SG	SG	SH	BE	BL-BP	ST165-185	ST205	JZA80	JZZ30	Mk4	Mk4	Mk4-Mk5	1st Generation	Mk5 (B5-B5.5)	Mk4F (Typ 9N3)	
2001	EJ20T	EJ20T/EJ25T	EJ20T/EJ25T	EJ25T	EJ25T	EJ20T	EJ20T	EJ25T	EJ25T	EJ25T	EJ20TT	EJ20T	3S-GTE	3S-GTE	2JZ-GTE	1JZ-GTE	1.8t	1.8t	1.8t	1.8t	1.8t	1.8t	
2002	MY01-02	MY03-07	MY03-07	MY08-on	MY08-on	MY98-00	MY01-02	MY03-04	MY05-08	MY09-on	MY98-02	MY03-09	86-93	94-99	93-02	91-96	98-05	97-06	98-on	99-on	96-00	05-09	
2003	T9003	T9003	T9003	T9001	T9003	T9000	T9000	T9000	T9003	T9001	T9000	T9001	T9035 <sup>†</sup>	T9035 <sup>†</sup>	T9020 <sup>†</sup>	T9005	T9025	T9025	T9025	T9025	T9025	T9025	T9025
2006	1006	1006	1006	-	1006	1016	1016	1016	-	-	1016	-	1003 <sup>†</sup>	1003 <sup>†</sup>	1103 <sup>†</sup>	-	1203	1203	1203	1203	1203	1203	1203
2004	1304	1304	1304	-	1304	1004	1004	1004	1304	-	-	-	1004 <sup>†</sup>	1004 <sup>†</sup>	1104 <sup>†</sup>	-	-	-	-	-	-	-	-
2001	1301	1301	1301	-	1301	1001	1001	1001	1301	-	-	-	1001 <sup>†</sup>	1001 <sup>†</sup>	1101 <sup>†</sup>	-	1201	1201	1201	1201	1201	1201	1201
2008	5108	5108	5108	-	5108	5101	5101	5107	5108	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	1009	1009	1009	-	1009	1008	1008	1008	1009	-	-	-	1008 <sup>†</sup>	1008 <sup>†</sup>	1108 <sup>†</sup>	1408	1208	1208	1208	1208	1208	1208	1208
2026	1026	1026	1026	-	1026	1025	1025	1025	1026	-	-	-	1025 <sup>†</sup>	1025 <sup>†</sup>	1125 <sup>†</sup>	1425	1225	1225	1225	1225	1225	1225	1225
-	-	-	-	-	-	5101	5101	5107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	3001	3001	3001	3001	3001	3001	3001	3001	3001	3001	-	3001	3001	3001	-	3001	-	-	-	-	-	-	-
2001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001	8001
2001	4002	4001	4002	4005	4003	-	-	-	-	-	4001	-	-	-	-	-	-	-	-	-	-	-	-
2001	2001	2010	2010	-	-	2003	2002	2010	2010	-	2001	2013	-	-	-	-	-	-	-	-	-	-	-
2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	-	-	-	-	-	-	-	-	-	-	-