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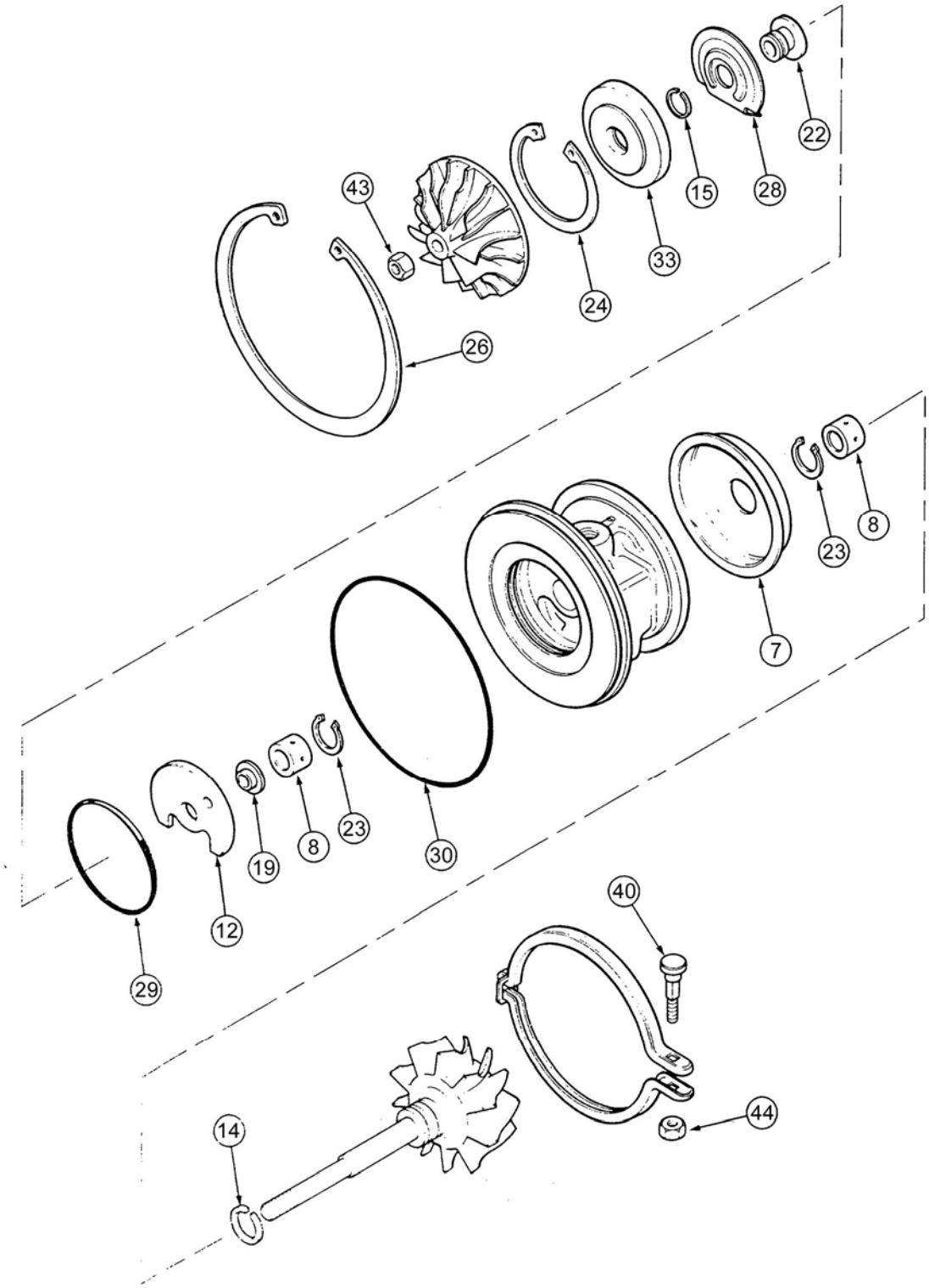
Mitsubishi

TD02/03

Type Turbos

TD02/03 Type

Component Parts Common



TD02/03 Type

Repair Parts & Service Kits

All parts are available for purchase as individual components
or in the following popular Repair Kits

Key	part number	Description	qty in Turbo	1401-402-750	1401-402-753	1401-402-754
8	**1401-402-100**	Journal Bearing	2		2	2
12	**1401-402-320**	Thrust Bearing	1	1	1	1
14	**1401-402-160**	Piston Ring T/End	1	1	1	1
15	**1401-402-170**	Piston Ring Comp.	1	1	1	1
19	**1401-402-240**	Thrust Collar	1		1	1
22	**1401-402-200**	Thrust Flinger (superback)	1			1
22	**1401-402-201**	Thrust Flinger (flatback)	1		1	
23	**1401-402-141**	Spiral Retaining Ring	2	2	2	2
24	**1401-404-145**	Insert snap ring	1			
28	**1401-402-310**	Oil Deflector	1			
29	**1401-402-150**	O ring	1	1	1	1
30	**1401-402-155**	O ring	1		1	1
33	**1401-402-300**	Seal Plate (superback)	1			1
33	**1401-402-301**	Seal Plate (flatback)	1		1	
43	**1401-402-351**	Shaft Nut (4mm LHT)	1	1	1	1
-	**1401-402-600**	Bolt M6 x 8	4		4	4
-	**1401-402-605**	Bolt M6 x 15	7		7	7
-	**1401-402-795**	Gasket (B/Hsg to C/cover)	1		1	1

Description of Repair Kits available

1401-402-750 Repair Kit TD02 Minor
1401-402-753 Repair Kit TD025/03 Major Flatback
1401-402-754 Repair Kit TD025/03 Major Superback

Oversize Repair Parts

Melett do not offer oversize parts for the TD02 turbos. The turbo design does not allow for material removal during repair and oversizing should not be attempted.

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Mitsubishi

TF035

Type Turbos

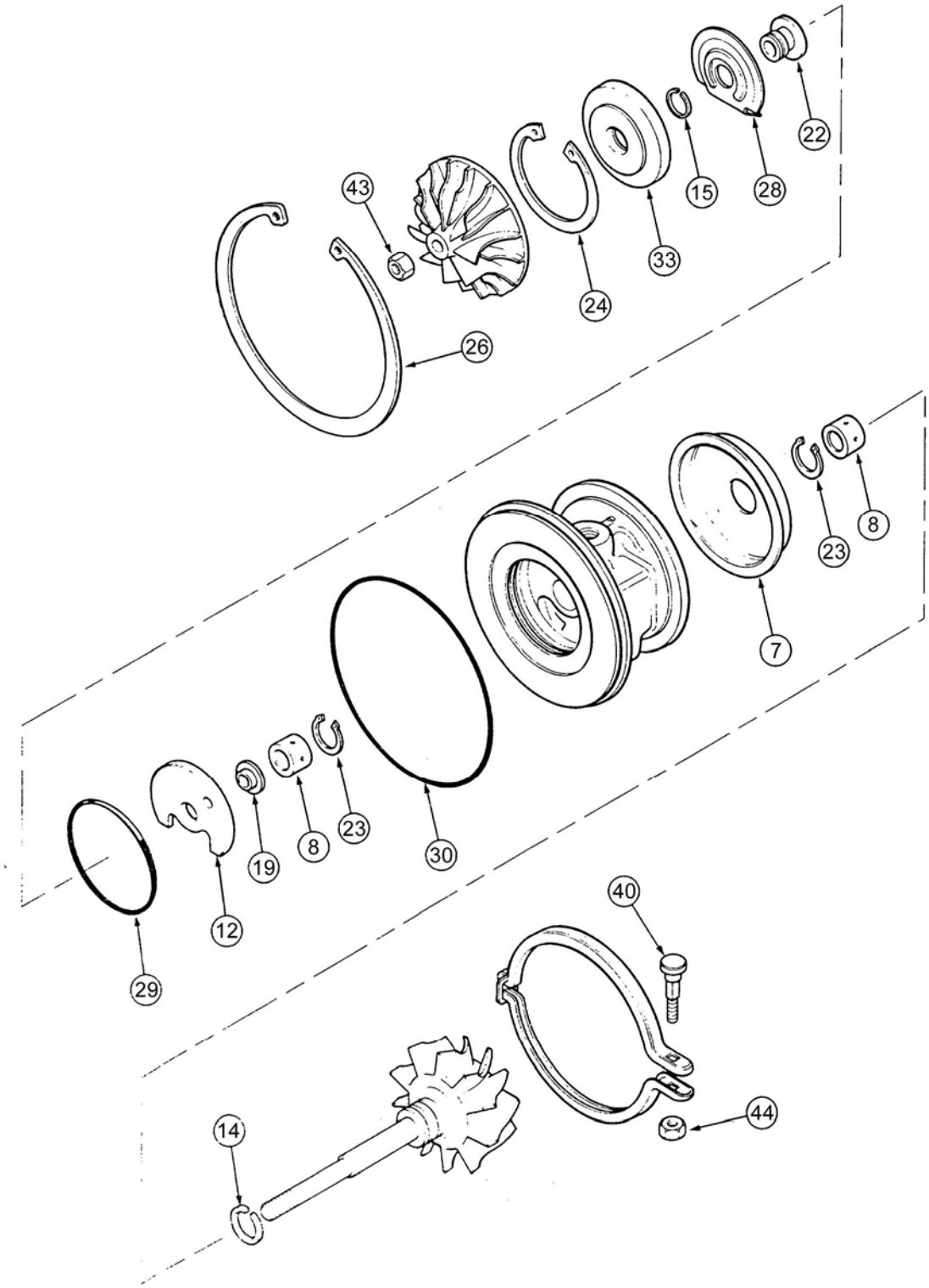
MHI Model Code Explained

The MHI model code gives the main component parts for each turbo build e.g. TF035HM-13T-6 means…

TF035	HM-	13T-	6
Turbo Family	Shaft & Wheel designation	Compressor wheel designation	Turbine housing A/R

TF035 Type

Component Parts Common



TF035 Type

Repair Parts & Service Kits

All parts are available for purchase as individual components
or in the following popular Repair Kits

Key	part number	Description	qty in Turbo	1401-635-750	1401-635-751
8	**1401-635-100**	Bearing TF035 Std OD/Std ID	2	2	2
12	**1401-404-320**	Thrust Bearing (TDO4)	1	1	1
14	**1401-404-160**	Piston Ring (TD04 Turbine End)	1	1	1
15	**1401-404-170**	Piston Ring (TD04 Comp End)	1	1	1
19	**1401-404-240**	Thrust Collar TD04/TF035	1		1
22	**1401-635-200**	Thrust Flinger TF035/TD04	1		1
23	**1401-404-140**	Retaining Ring TD04 J-Brg	2	2	2
23	**1401-404-141**	Spiral Retaining Ring (TD04 As	2	2	2
24	**1401-404-145**	Insert snap ring TD04	1		1
29	**1401-404-150**	O Ring (TD04 Seal Plate)	1	1	1
30	**1401-404-155**	O Ring (TD04 Comp Cover)	1	1	1
33	**1401-635-300**	Insert /Seal Plate TF035/TD04	1		1
43	**1401-404-351**	Shaft Nut LHT	1	1	1
-	**1900-000-042**	Gasket (Oil Outlet TD04/05/06	1		1

Description of Repair Kits available

1401-635-750 Repair Kit (Minor)
1401-635-751 Repair Kit (Major)

For oversize Journal Bearings and piston rings, see page 8

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TF035 Type

Oversize Repair Parts

Journal Bearings

TF035		
Standard	Standard	**1401-635-100**
+ 0.005"	- 0.005"	**1401-635-110**
+ 0.005"	Standard	**1401-635-114**
Standard	- 0.005"	**1401-635-117**
+ 0.010"	Standard	**1401-635-124**

Piston Rings

TF035		Turbine	Compressor
OD	**Width**		
Standard	Standard	**1401-404-160**	
Standard	Standard	**1401-404-162**	
+ 0.010"	Standard	**1401-404-180**	
Standard	+ 0.010"	**1401-404-181**	
+ 0.010"	+ 0.010"	**1401-404-182**	
Standard	Standard		**1401-404-170**

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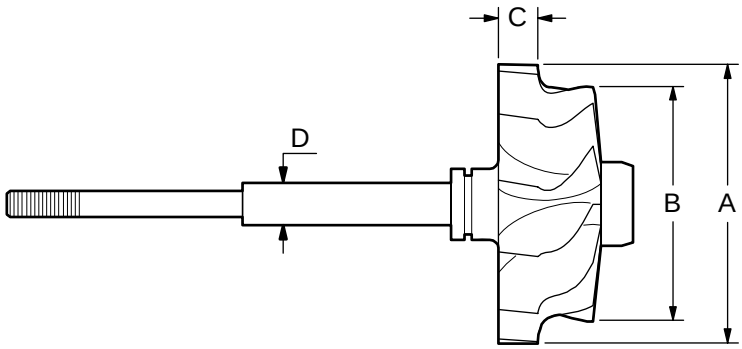
TF035 Type

Major Replacement Parts

Shaft & Wheel



OE Number	Melett Part No.	Inducer Diameter ØA	Exducer Diameter ØB	Tip Height C	Journal Bearing ØD	Comp. Wheel Bore ØE	Blades	Type of Shaft
49135-30100	**1401-635-435**	42.50	35.00	6.5	7.00	5.00		Straight

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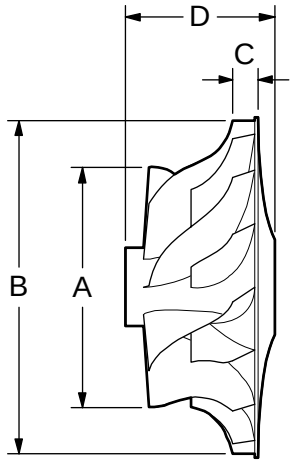
Compressor Wheel



OE Number	Melett Part No.	Inducer Diameter ØA	Exducer Diameter ØB	Tip Height C	Total Height D	Blades	Flatback/ Superback /trim	Shaft Bore Ø
49135-00015	**1401-635-427**	38.30	51.00	5.10	24.200	6\6	Superback	5.01
49135-00016	**1401-635-426**	37.80	49.00	5.10	24.200	6\6	Superback	5.01

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TF035 Type

Bearing Housings

OE Number	Melett Part No.	A Dia (mm)	B Dia (mm)	C Dia (mm)	D Dia (mm)	E Dia (mm)	F Oil Inlet	G Oil Outlet	H Water
49377-25100	**1401-635-460**	45.50	55.00	50.00	88.00	80.00	M10x1.25	2 - M6x1	M12 X 1.25

Note: Other bearing housings are due into stock throughout 2009 – ask Melett Sales for latest availability.

Heat Shield

Melett Number	Description	Diameter	Depth	For B/Hsg
1401-404-342	Heat Shield (Water Cooled)	54.0mm	5.0mm	**1401-404-464** **1401-635-464**

Turbine Housings

Make	Model	Turbo Model	To fit turbo…	OE Housing No.	Melett Number
Mitsubishi	Pajero 2.8L	TF035	49135-03130	49135-12201	**1401-635-891**
Mitsubishi	Canter	TF035	49135-03300	49135-12300	**1401-635-892**
Mitsubishi	Pajero 3.2L	TF035	49135-03410	49135-12410	**1401-635-893**
Mitsubishi	L200 2.5L	TF035	49135-02110	49135-13601	**1401-635-890**
Mitsubishi	Pajero 2.5L	TF035	49135-02100	49135-13601	**1401-635-890**

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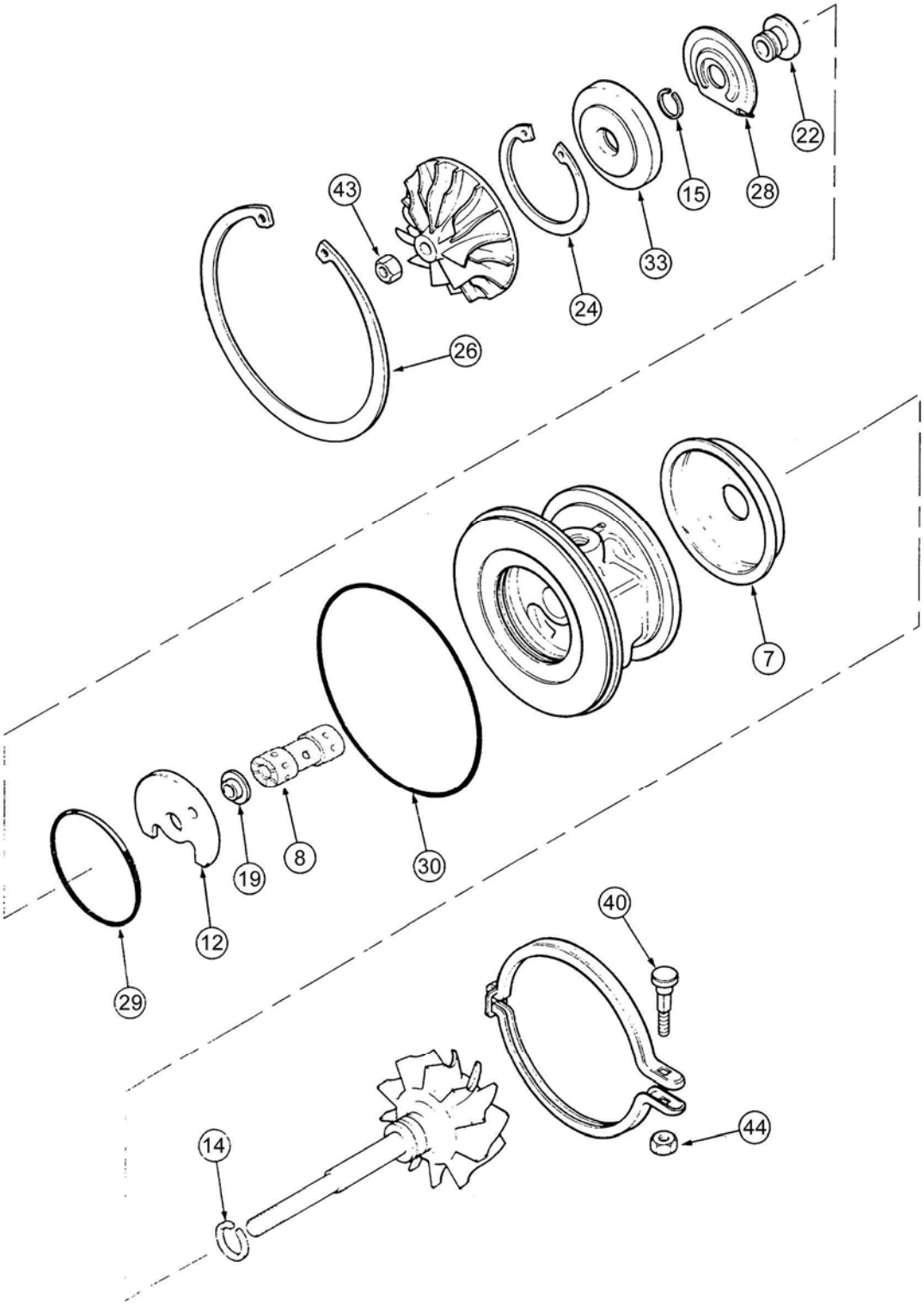
Mitsubishi

TC04

Type Turbos

TC04 Type

Component Parts Common



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TC04 Type

Repair Parts & Service Kits

All parts with part numbers are available for purchase as individual components.

Key	Part Description	MELETT Part Number	Quantity Per Turbo
7	Heat Shield	**1401-404-340**	1
8	Bearing (Std)	**N/A**	1
12	Thrust Bearing	**1401-404-320**	1
14	Piston Ring (Turb)	**1401-404-160**	1
15	Piston Ring (Comp)	**1401-404-170**	1
19	Thrust Collar	**1401-404-240**	1
22	Thrust Flinger	**1401-404-200**	1
24	Snap Ring (Insert retainer)	**1401-404-145**	1
26	Snap Ring (Comp/Hsg to Brg/Hsg)	**1401-404-145**	1
28	Oil Deflector	**1401-404-310**	1
29	"O" Ring (Insert)	**1401-404-150**	1
30	"O" Ring (B/Hsg-C/Hsg)	**1401-404-155**	1
33	Insert	**1401-404-300**	1
43	Shaft Nut	**1401-404-350**	1

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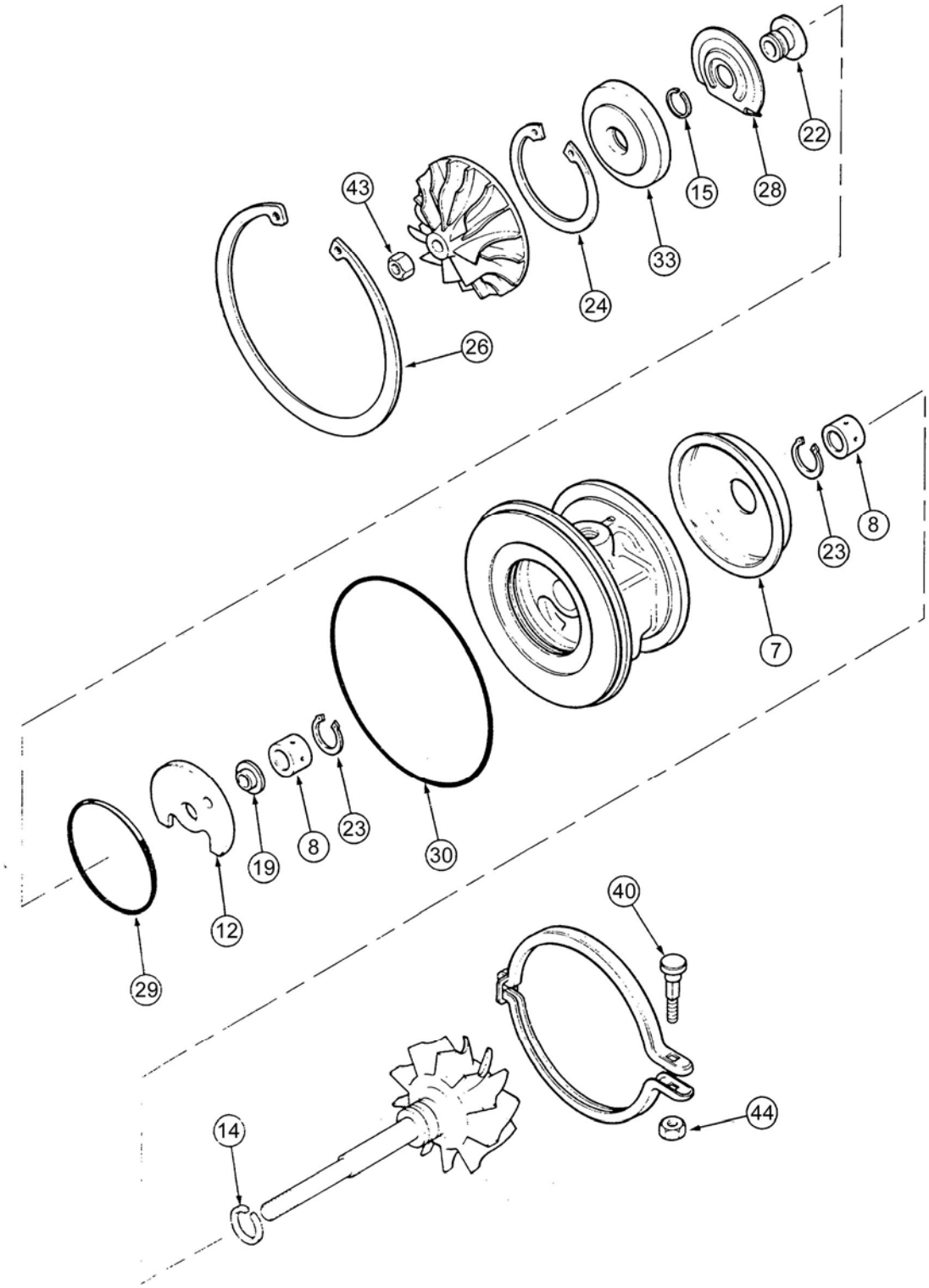
Mitsubishi

TD04

Type Turbos

TD04 Type

Component Parts Common



TD04 Type

Repair Parts & Service Kits

All parts are available for purchase as individual components *or* in the following popular Repair Kits

Key	part number	Description	qty in Turbo	1401-404-750	1401-404-751	1401-404-752	1401-404-753	1401-404-754	1401-404-770	1401-404-771
7	**1401-404-340**	Heat Shield TD04 Aircooled	1						1	1
8	**1401-404-100**	Bearing TD04 Std OD/Std ID	2	2	2	2	2	2	2	2
12	**1401-404-320**	Thrust Bearing (TDO4)	1	1	1	1	1	1	1	1
14	**1401-404-160**	Piston Ring (TD04 Turbine End)	1	1	1	1	1	1	1	1
15	**1401-404-170**	Piston Ring (TD04 Comp End)	1	1	1	1	1	1	1	1
19	**1401-404-240**	Thrust Collar TD04/TF035	1				1	1	1	1
22	**1401-404-200**	Thrust Flinger TD04 (11.4mm	1				1		1	
22	**1401-635-200**	Thrust Flinger TF035/TD04	1					1		1
23	**1401-404-140**	Retaining Ring TD04 J-Brg	2	2	2	2	2	2	2	2
23	**1401-404-141**	Spiral Retaining Ring (TD04 As	2	2	2	2	2	2	2	2
24	**1401-404-145**	Insert snap ring TD04	1				1	1	1	1
28	**1401-404-310**	Oil Deflector (TD04)	1						1	1
29	**1401-404-150**	O Ring (TD04 Seal Plate)	1	1	1	1	1	1	1	1
30	**1401-404-155**	O Ring (TD04 Comp Cover)	1	1	1	1	1	1	1	1
33	**1401-404-300**	Insert /Seal Plate (TD04 F/Back)	1				1		1	
33	**1401-635-300**	Insert /Seal Plate TF035/TD04	1					1		1
43	**1401-404-350**	Shaft Nut RH Thread	1	1		1	1	1		
43	**1401-404-351**	Shaft Nut LH Thread	1		1	1	1	1	1	1
-	**1900-000-042**	Gasket (Oil Outlet TD04/05/06	1				1	1	1	1

Description of Repair Kits available

1401-404-750 Repair Kit (Minor) TD04 (RH Thread)
1401-404-751 Repair Kit (Minor) TD04 (LH Thread)
1401-404-752 Repair Kit (Minor) TD04 (Both types)
1401-404-753 Repair Kit (Major) TD04 Major Flatback
1401-404-754 Repair Kit (Major) TD04 Major Superback
1401-404-770 Repair Kit (Complete Internal parts) TD04 F/Back
1401-404-771 Repair Kit (Complete Internal parts) TD04 S/Back

For oversize Journal Bearings and piston rings, see page 18

For Performance TD04 Thrust Parts,
see 'Upgrade Parts' Catalogue Section page20

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TD04 Type

Oversize Repair Parts Available

Journal Bearings

TD04		
Standard	Standard	**1401-404-100**
+ 0.005"	- 0.005"	**1401-404-110**
+ 0.005"	Standard	**1401-404-114**
Standard	- 0.005"	**1401-404-117**
+ 0.010"	- 0.010"	**1401-404-120**
+ 0.010"	Standard	**1401-404-124**
+ 0.005"	- 0.010"	**1401-404-130**
+ 0.010"	- 0.005"	**1401-404-131**

Piston Rings

TD04		Turbine	Compressor
OD	**Width**		
Standard	Standard	**1401-404-160**	
Standard	Standard	**1401-404-162**	
+ 0.010"	Standard	**1401-404-180**	
Standard	+ 0.010"	**1401-404-181**	
+ 0.010"	+ 0.010"	**1401-404-182**	
Standard	Standard		**1401-404-170**

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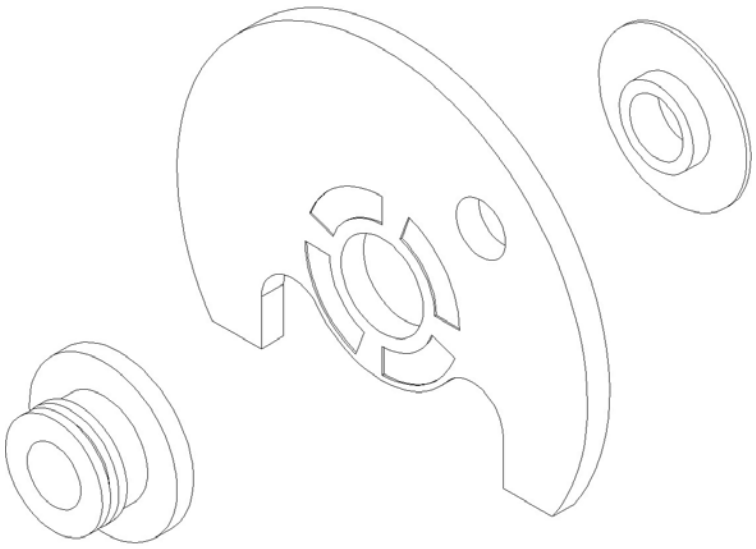
TD04 Type

Upgrade Parts

Performance Thrust System



For improved performance, Melett offer a 'Performance Thrust System' for the TD04 turbo models.

Why use a Melett Performance Thrust System?

- *When used in high performance applications, the original bronze material used in the standard bearing cannot carry the increased axial load. The increased centre point load over the unsupported thrust face can cause the material to flex. In extreme conditions, this flexing can create contact between the thrust faces resulting in immediate failure.*
- *The material used in the Performance Thrust System is a special steel alloy. The steel has a higher stress limit than bronze and is also a more rigid material, which will deflect less under the same loads.*

High Performance Bearing Material

- *The material used for the thrust bearing is a special alloy designed for use in applications requiring high strength and good bearing properties. It has up to 10% porosity making it an ideal bearing surface by absorbing the oil like a sponge.*

Increased size of thrust face reducing contact stress

- *To enable the thrust system to carry the increased load, the thrust collar and spacer are manufactured to a larger diameter. This spreads the load over a larger area.*
- *An extra oil feed supply hole to the centre of the bearing helps to increase lubrication to the larger thrust face and also improves cooling.*

Note:

These thrust parts must be used as a set and will not work in combination with the standard thrust parts.

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TD04 Type

Upgrade Parts

Performance Parts & Upgrade Kits

As well as supplying the Performance Thrust Kit as a separate item, Melett also offers the following upgrade kits that offer excellent value for money in comparison to buying the individual piece parts.

Key	part number	Description	qty in Turbo	1401-404-761	1401-404-762
8	**1401-404-100**	Journal Bearing	2	2	2
23	**1401-404-141**	Spiral Retaining Ring	2	2	2
24	**1401-404-150**	O Ring (Seal Plate)	1	1	1
30	**1401-404-155**	O Ring (Comp Cover)	1	1	1
14	**1401-404-160**	Piston Ring (Turbine End)	1	1	
18	**1401-404-162**	Piston Ring (Step gap)	1		1
15	**1401-404-170**	Piston Ring (Comp End)	1	1	1
43	**1401-404-350**	Shaft Nut RH Thread	1	1	1
43	**1401-404-351**	Shaft Nut LH Thread	1	1	1
64	**1401-404-760**	Upgrade Thrust Kit	1	1	1
33	**1401-635-300**	Insert /Seal Plate superback	1	1	1
-	**1900-000-042**	Gasket (Oil Outlet)	1	1	1

Description of Repair Kits available

1401-404-760 Upgrade Thrust Kit
1401-404-761 Upgrade Kit (Major) MHI TD04
1401-404-762 Upgrade Kit (Major) TD04 (inc. performance turbine piston ring)

Note:

1. Care should be taken when installing the Performance Thrust System to ensure suitable clearance remains between the top of the thrust flinger and the bearing housing (allowing for shaft movement).
2. After installing the Performance Thrust System, check that the thrust clearance remains between 0.05mm-0.07mm (0.002"-0.003").
3. The Performance Thrust System is only available for use with super back compressor wheel. See Mitsubishi TD04 section for the full range of TD04 compressor wheels available from Melett.

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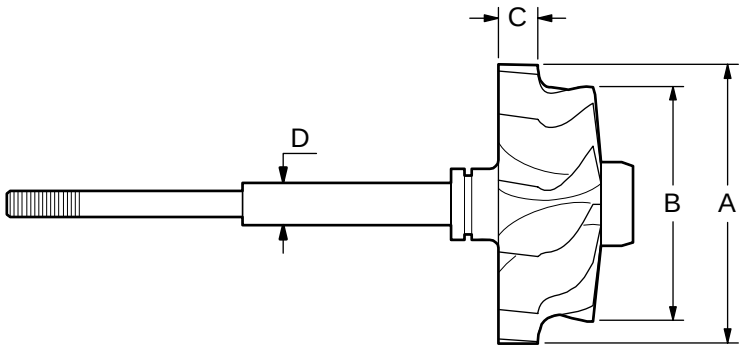
TD04 Type

Major Replacement Parts - Detail

Shaft & Wheel



OE Number	Melett Part No.	Inducer Diameter ØA	Exducer Diameter ØB	Tip Height C	Journal Bearing ØD	Comp. Wheel Bore ØE	Blades	Type of Shaft
49177-30130	**1401-404-437**	47.10	40.00	6.8	7.50	5.00	12	TD04
49177-30300	**1401-404-439**	47.00	41.30	7.7	7.50	5.00	12	TD04L
49183-30100	**1401-404-436**	52.00	44.20	7.7	7.50	5.00	12	TD04H
49189-30100	**1401-404-438**	52.00	45.60	8.9	7.50	5.00	12	TD04HL

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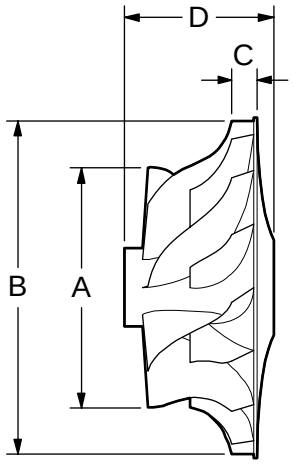
TD04 Type

Major Replacement Parts - Detail

Compressor Wheel



O.E.M. Designation	OE Number	Melett Part No.	Inducer Dia ØA	Exducer Dia ØB	Tip Height C	Total Height D	Blades	Flatback/ Superback /trim	Shaft Bore Ø
TD04-09B	49171-41410	**1401-404-400**	34.88	49.00	4.70	20.000	12.00	Flatback	5.01
TD04-10T	Not Known	**In Dev**	35.50	49.00	4.50	24.20	6\6	Superback	5.01
TD04-11B	49171-41510	**1401-404-401**	37.00	49.00	5.20	20.000	12.00	Flatback	5.01
TD04-11G	49177-43300	**1401-404-403**	38.00	49.00	4.90	22.500	6\6	Flatback	5.01
TD04-12T	49177-44400	**1401-404-404**	37.80	49.00	5.25	22.500	6\6	Flatback	5.01
TD04-13C	49183-41500	**1401-404-402**	40.00	53.00	5.50	23.500	6\6	Flatback	5.01
TD04-13G	49177-43400	**1401-404-413**	41.50	56.00	5.00	23.000	6\6	Flatback	5.01
TD04-13G	49189-01400	**1401-404-413**	41.50	56.00	5.00	23.000	6\6	Flatback	5.01
TD04-13T-4	Volvo/BMW	**1401-404-424**	38.30	51.00	4.68	24.200	6\6	Superback	5.01
TD04-13T-6	49377-04100	**1401-404-425**	40.65	56.00	4.85	26.200	6\6	Superback	5.01
TD04-14T	Not Known	**1401-404-414**	39.60	51.00	5.28	24.200	6\6	Superback	5.01
TD04-15G	49183-41500	**1401-404-415**	43.40	56.00	5.40	23.000	6\6	Flatback	5.01
TD04-15G	49189-40300	**1401-404-415**	43.40	56.00	5.40	23.000	6\6	Flatback	5.01
TD04-15T	49189-43500	**1401-404-426**	42.00	56.00	5.40	26.200	6\6	Superback	5.01
TD04-16T	Not Known	**1401-404-427**	43.40	56.00	5.70	26.200	6\6	Superback	5.01
TD04-18T	49189-43800	**1401-404-428**	45.00	56.00	5.80	26.200	6\6	Superback	5.01
TD04-19T	49189-43900	**1401-404-429**	46.00	58.00	5.80	26.200	6\6	Superback	5.01

These dimensions are supplied for identification purposes only

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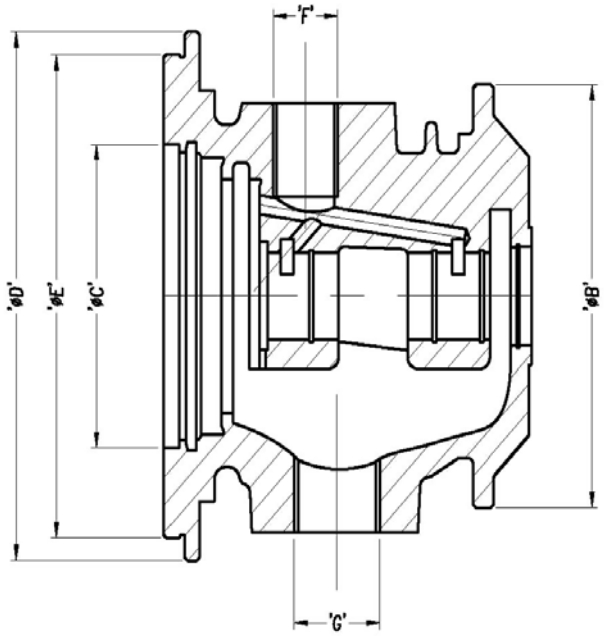
TD04 Type

Bearing Housings



OE Number	Melett Part No.	A Dia (mm)	B Dia (mm)	C Dia (mm)	F Oil Inlet	G Oil Outlet	H Water	Description
49177-25100	**1401-404-450**	40.00	55.00	50.00	M10 X 1.25	M6 X 1	N/a	Oilcooled
49177-25600	**1401-404-452**	40.00	55.00	50.00	M10 X 1.0	M6 X 1	N/a	Oilcooled
49177-25700	**1401-404-453**	40.00	55.00	52.00	M10 X 1.0	M6 X 1	N/a	Oilcooled
49189-26030	**1401-404-461**	48.50	58.00	54.00	M12 X 1.5	M6 X 1	M12 X 1.5	Watercooled
49189-26050	**1401-404-462**	48.50	58.00	57.00	M12 X 1.5	M6 X 1	M12 X 1.5	Watercooled
49377-25510	**1401-404-464**	45.50	55.00	52.00	M12 X 1.5	M6 X 1	M12 X 1.5	Watercooled

Note:
Other bearing housings are due into stock throughout 2009 – ask Melett Sales for latest availability.

Heat Shield

Melett Number	Description	Diameter	Depth	For B/Hsg
1401-404-340	Heat Shield (Air Cooled)	54.0mm	8.0mm	1401-404-450/452/453
1401-404-341	Heat Shield (Water Cooled)	57.5mm	13.5mm	1401-404-461/462
1401-404-342	Heat Shield (Water Cooled)	54.0mm	5.0mm	1401-404-464

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TD04 Type

Turbine Housings

Make	Model	Year	Turbo Model	To fit turbo…	OE Housing No.	Melett Number
Mitsubishi	L200		TD04	49177-01503	49377-15200	**1401-404-892**
Mitsubish	L200		TD04	49177-02512	49377-15500	**1401-404-892**
Mitsubishi	Pajero 2.5L	87 →	TD04	49177-02500	49377-15590	**1401-404-890**
Mitsubishi	Pajero 2.5L	87 →	TD04	49177-02501	49377-15500	**1401-404-890**
Mitsubishi	Pajero 2.5L		TD04	49177-02510	49377-15400	**1401-404-890**
Mitsubishi	Pajero 2.5L		TD04	49177-02511	49377-15400	**1401-404-890**
Mitsubishi	Pajero 2.5L	84 - 91	TD04	49177-01010/20/30	49177-15122	**1401-404-891**
Mitsubishi	Pajero 2.5L	84 - 91	TD04	49177-01500	49377-15122	**1401-404-891**
Mitsubishi	Pajero 2.5L	84 - 91	TD04	49177-01501	49377-15300	**1401-404-891**
Mitsubishi	Pajero 2.5L		TD04	49177-01510	49177-15122	**1401-404-891**
Mitsubishi	Pajero 2.5L		TD04	49177-01511	49377-15300	**1401-404-891**
Mitsubishi	Pajero 2.5L		TD04	49177-02513	49377-15530	**1401-404-890**
Mitsubishi	Pajero 2.8L		TD04	49377-03041/3	49377-13200/300	**1401-404-893**
Volvo	740/940 2L&2.3L	89 - 95	TD04H	49189-01000/ 1200/ 1210/ 1260/ 1270	49189-16730/ 16830	**1401-404-894**
Volvo	850T5 2.3L	96 →	TD04HL	49189-01300/01	49189-17800	**1401-404-895**
Volvo	S70/V70 R	98 →	TD04HL	49189-01310/20/30/35/50/ 55/70/75	49189-17830	**1401-404-896**

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Mitsubishi

TD05/6 &TE05

Type Turbos

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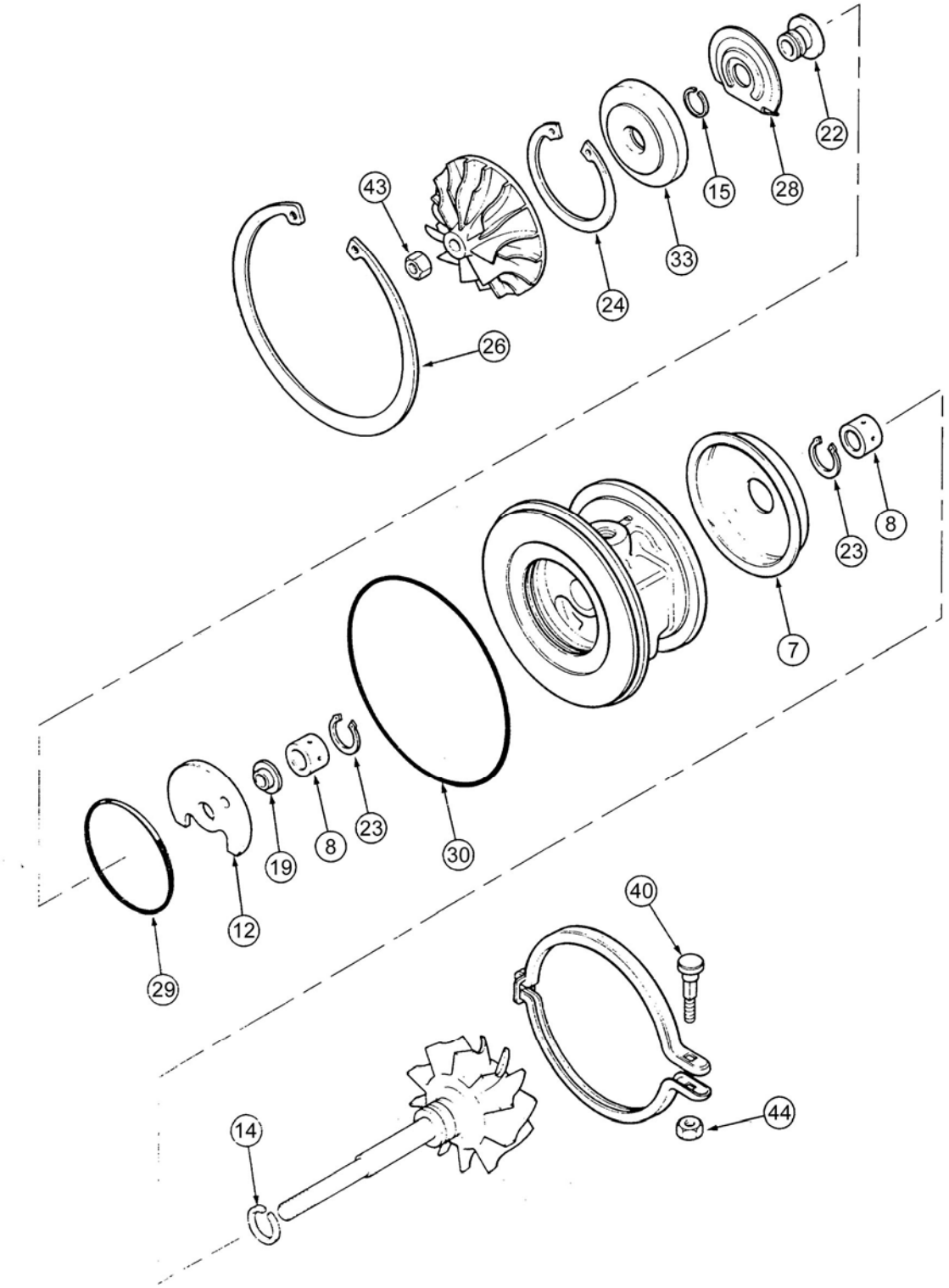
TD05/06 & TE05 Type

Common Service Parts



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TD05/06 & TE05 Type

Repair Parts & Service Kits

All parts are available for purchase as individual components
or in the following popular Repair Kits

Key	part number	Description	qty in Turbo	1401-405-750	1401-405-751	1401-405-752
8	**1401-405-100**	Bearing TD05/TD06 Std OD/Std	2	2	2	2
12	**1401-405-320**	Thrust Bearing TD05	1	1	1	1
14	**1401-405-160**	Piston Ring TD05/TD06 Turb end	1	1	1	1
15	**1401-405-170**	Piston Ring (Comp)	1	1	1	1
19	**1401-405-240**	Thrust Collar TD05	1		1	1
22	**1401-405-200**	Thrust Flinger TD05 (8.81mm Lg	1		1	
22	**1401-405-201**	Thrust Flinger TD05 (11.41mm	1			1
23	**1401-405-140**	Retaining Ring - TD05 J-Brg	2	2	2	2
24	**1401-405-142**	Circlip (TD05 Seal Plate)	1	1	1	1
29	**1401-405-150**	O Ring (TD05/6 Seal Plate)	1	1	1	1
30	**1401-405-155**	O Ring (Comp Cover)	1	1	1	1
43	**1401-405-350**	Shaft Nut (RHT)	1	1	1	1
-	**1900-000-042**	Gasket (Oil Outlet TD04/05/06	1	1	1	1

Description of Repair Kits available

1401-405-750 Repair Kit (Minor) TD05
1401-405-751 Repair Kit (Major) TD05 (Superback)
1401-405-752 Repair Kit (Major) TD05 (Flatback)

For oversize Journal Bearings and piston rings, see page 28

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TD05/06 & TE05 Type

Oversize Repair Parts Available

Journal Bearings

TD05/6		
Standard	Standard	**1401-405-100**
+ 0.005"	- 0.005"	**1401-405-110**
+ 0.005"	Standard	**1401-405-114**
Standard	- 0.005"	**1401-405-117**
+ 0.010"	- 0.010"	**1401-405-120**
+ 0.010"	Standard	**1401-405-124**
Standard	- 0.010"	**1401-405-127**

Piston Rings

TD05/6		Turbine	Compressor
OD	**Width**		
Standard	Standard	**1401-405-160**	
+ 0.010"	Standard	**1401-405-180**	
Standard	+ 0.010"	**1401-405-181**	
+ 0.010"	+ 0.010"	**1401-405-182**	
Standard	Standard		**1401-405-170**

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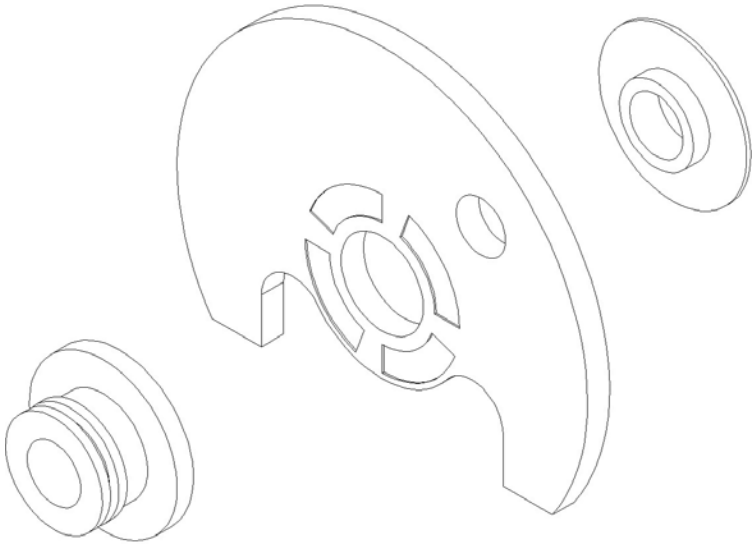
TD05/06 & TE05 Type

Upgrade Parts

Performance Thrust System



For improved performance, Melett offer a 'Performance Thrust System' for the TD04 turbo models.

Why use a Melett Performance Thrust System?

- *When used in high performance applications, the original bronze material used in the standard bearing cannot carry the increased axial load. The increased centre point load over the unsupported thrust face can cause the material to flex. In extreme conditions, this flexing can create contact between the thrust faces resulting in immediate failure.*
- *The material used in the Performance Thrust System is a special steel alloy. The steel has a higher stress limit than bronze and is also a more rigid material, which will deflect less under the same loads.*

High Performance Bearing Material

- *The material used for the thrust bearing is a special alloy designed for use in applications requiring high strength and good bearing properties. It has up to 10% porosity making it an ideal bearing surface by absorbing the oil like a sponge.*

Increased size of thrust face reducing contact stress

- *To enable the thrust system to carry the increased load, the thrust collar and spacer are manufactured to a larger diameter. This spreads the load over a larger area.*
- *An extra oil feed supply hole to the centre of the bearing helps to increase lubrication to the larger thrust face and also improves cooling.*

Note:

These thrust parts must be used as a set and will not work in combination with the standard thrust parts.

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TD05/06 & TE05 Type

Performance Parts & Upgrade Kits

As well as supplying the Performance Thrust Kit as a separate item,
Melett also offers the following upgrade kits that offer excellent value for money
in comparison to buying the individual piece parts.

Key	part number	Description	qty in Turbo	1401-405-755	1401-405-756
8	**1401-405-100**	Journal Bearing	2	2	2
12	**1401-405-320**	Thrust Bearing	1		
14	**1401-405-160**	Piston Ring Turb end	1	1	1
15	**1401-405-170**	Piston Ring (Comp)	1	1	1
19	**1401-405-240**	Thrust Collar	1		
22	**1401-405-200**	Thrust Flinger 8.81mm superback	1		
22	**1401-405-201**	Thrust Flinger 11.41mm flatback	1		
23	**1401-405-140**	Retaining Ring - J-Brg	2	2	2
24	**1401-405-142**	Circlip (Seal Plate)	1		
29	**1401-405-150**	O Ring (Seal Plate)	1	1	1
30	**1401-405-155**	O Ring (Comp Cover)	1	1	1
43	**1401-405-350**	Shaft Nut (RHT)	1	1	1
64	**1401-405-760**	Upgrade Thrust Kit standard rotation	1	1	
64	**1401-405-761**	Upgrade Thrust Kit reverse rotation	1		1
-	**1900-000-042**	Gasket (Oil Outlet)	1	1	1

Description of Repair Kits available

1401-405-755 Upgrade Kit TD05 Standard Rotation (Superback)
1401-405-756 Upgrade Kit TD05 Reverse Rotation (Evolution Applications)

Note:

4. Care should be taken when installing the Performance Thrust System to ensure suitable clearance remains between the top of the thrust flinger and the bearing housing (allowing for shaft movement).
5. After installing the Performance Thrust System, check that the thrust clearance remains between 0.05mm-0.07mm (0.002”-0.003”).