

Service Information

Mazda Motor Corporation
P.O.Box 18, Hiroshima
730-8670 Japan



MAZDA

Category No.	Tool Equipment	Ref. No. T008/03	Page 1 of 14
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date issued May 23, 2003	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> General Manager <input type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep		Date Revised	
Applicable Model Mazda3	Applicable Country or Specification Europe, UK		

Subject: **SPECIAL SERVICE TOOLS DEVELOPED FOR Mazda3**

Thank you for your ongoing cooperation.
We would like to introduce the following new SSTs for the Mazda3.

Legend:

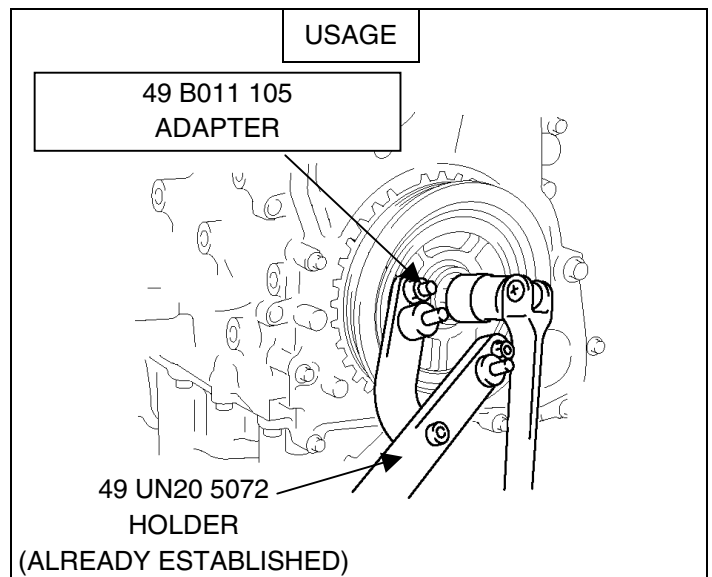
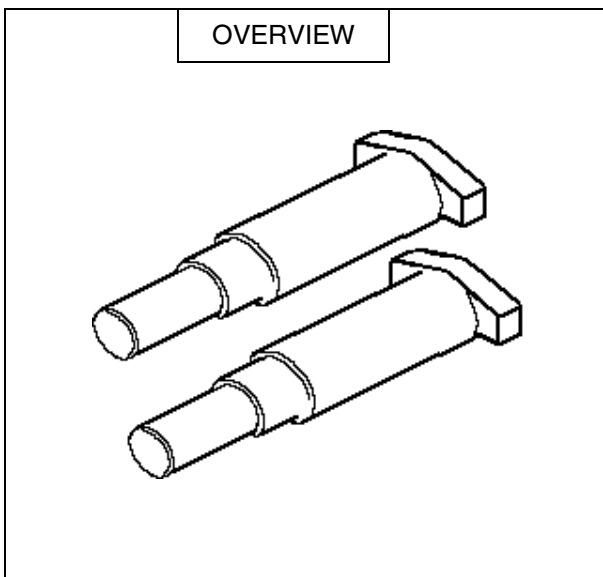
Priority	Usage	Purchase recommendation
A	Normal Services	For all dealers
C	Overhauling, less frequent operations or specialized operations at distributor	Option for dealers

Engine

1. ADAPTER (49 B011 105)

PRIORITY:A
Normal Services

- [APPLICABLE MODEL] Mazda3 (LF Engine)
- [APPLICATION] Holding the crank pulley.
- [REASON ESTABLISHED] For the change in the size of the crank pulley.



Cooling System

2. ADAPTER SET (49 B015 0A0)

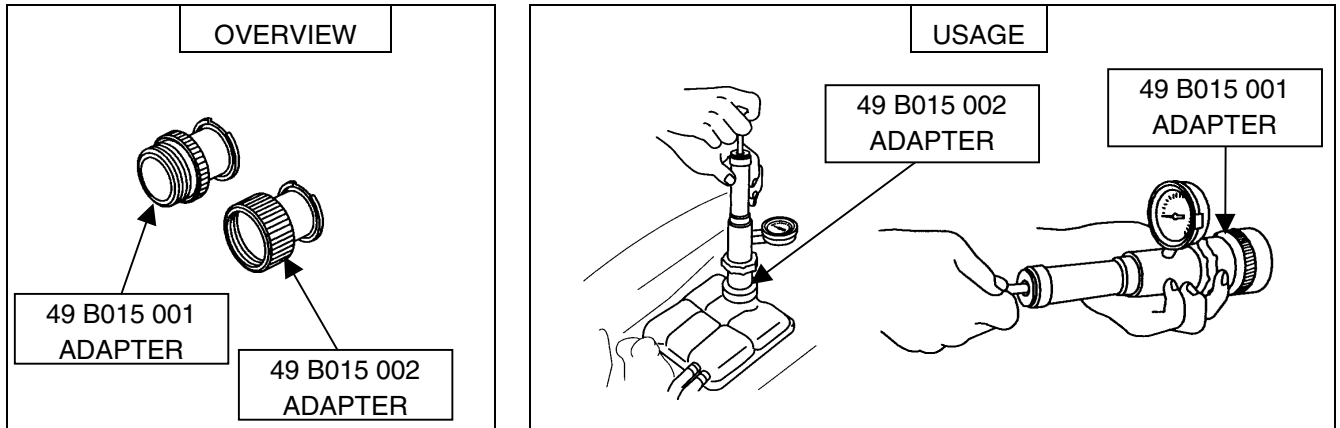
PRIORITY:A

Normal service

[APPLICABLE MODEL] Mazda3

[APPLICATION] Inspection of coolant leakage in the cooling system cap, coolant reservoir tank and the radiator.
(Cooling system cap use : 49 B015 001)
(Coolant reservoir tank use : 49 B015 002)

[REASON ESTABLISHED] For the new size of the coolant reservoir tank component.



Axle

3. SUPPORT PLATE SET (49 B033 1A0)

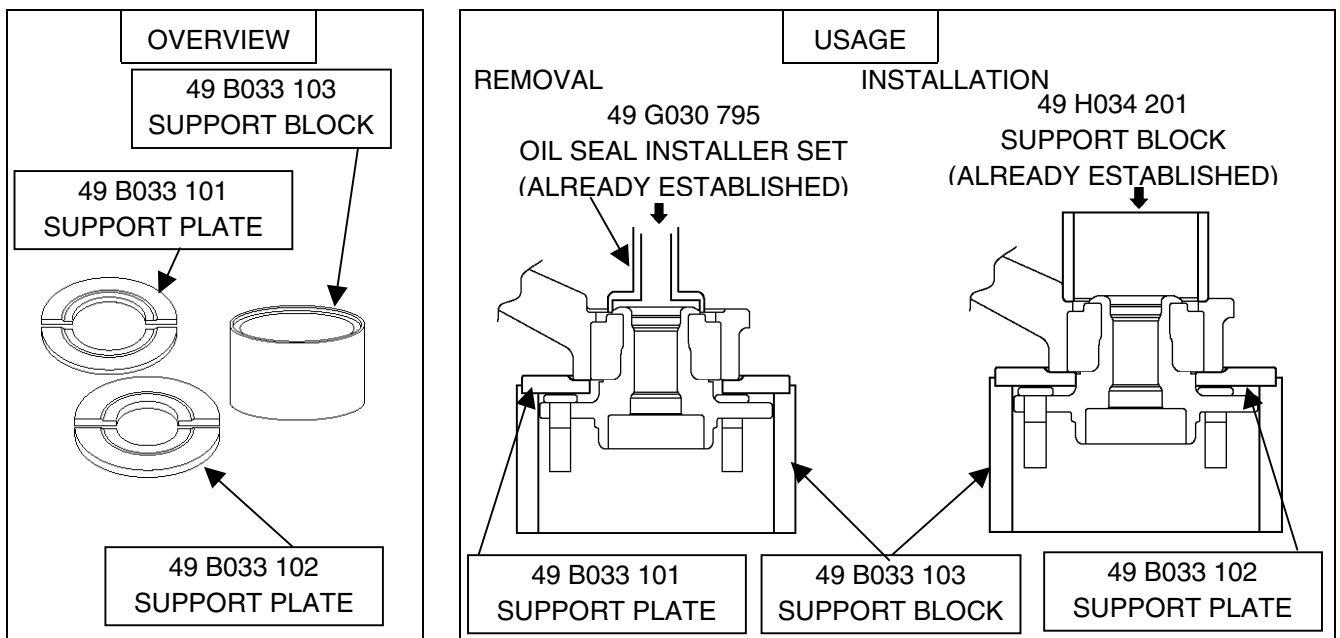
PRIORITY:A

Normal Services

[APPLICABLE MODEL] Mazda3

[APPLICATION] Removing/installing the hub bearing of the front knuckle component.
(Removal use : 49 B033 101)
(Installation use : 49 B033 102)
(Removal /installation use : 49 B033 103)

[REASON ESTABLISHED] For the new structure of the hub.



Brake

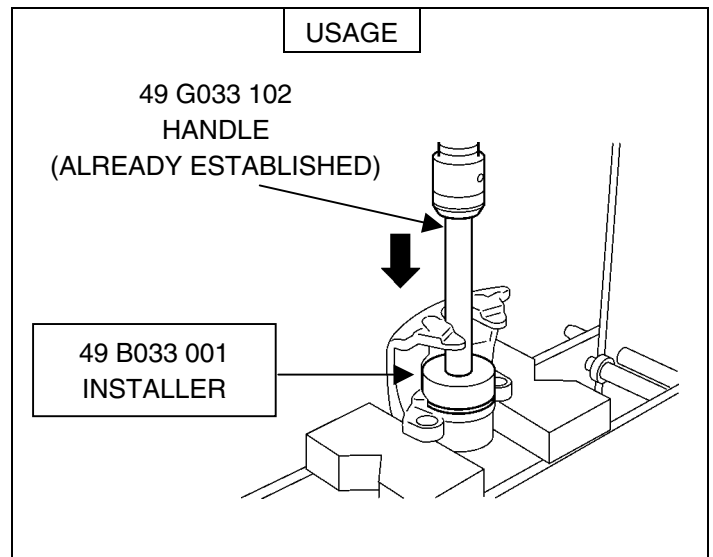
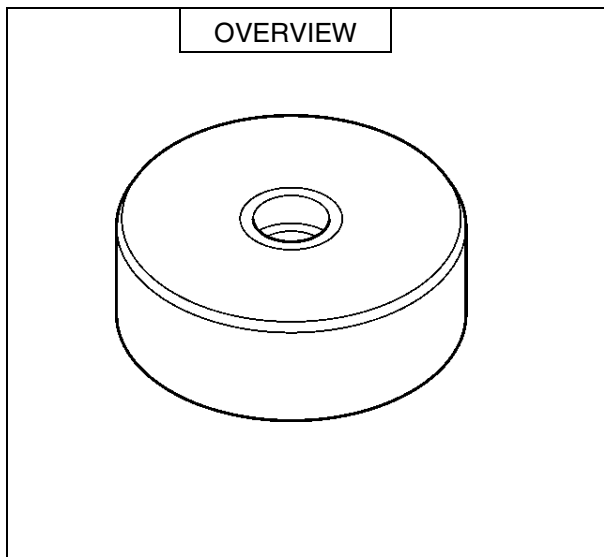
4. INSTALLER (49 B033 001)

PRIORITY:A
Normal service

[APPLICABLE MODEL] Mazda3

[APPLICATION] Installation of the dust boot to the front caliper.

[REASON ESTABLISHED] Since the dust boots have a retainer ring, they cannot be installed by hand.



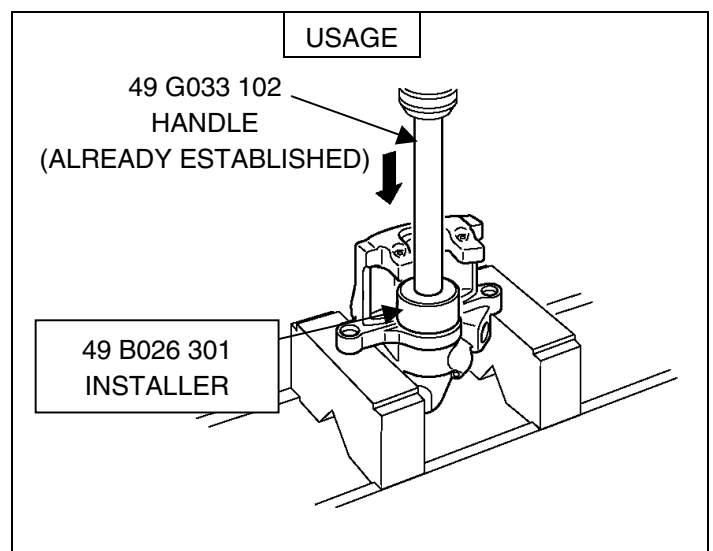
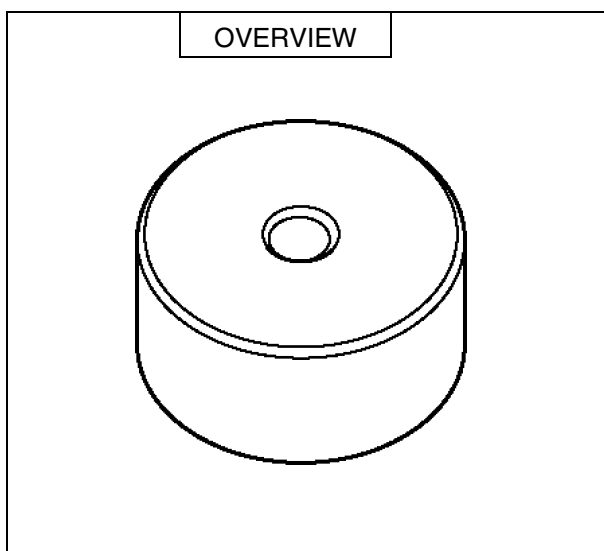
5. INSTALLER (49 B026 301)

PRIORITY:A
Normal service

[APPLICABLE MODEL] Mazda3

[APPLICATION] Installation of the dust boot to the rear caliper.

[REASON ESTABLISHED] Since the dust boots have a retainer ring, they cannot be installed by hand.



Body & Accessories

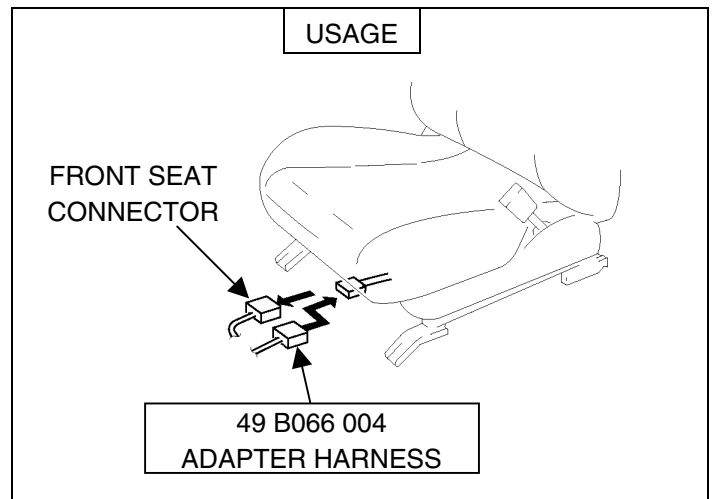
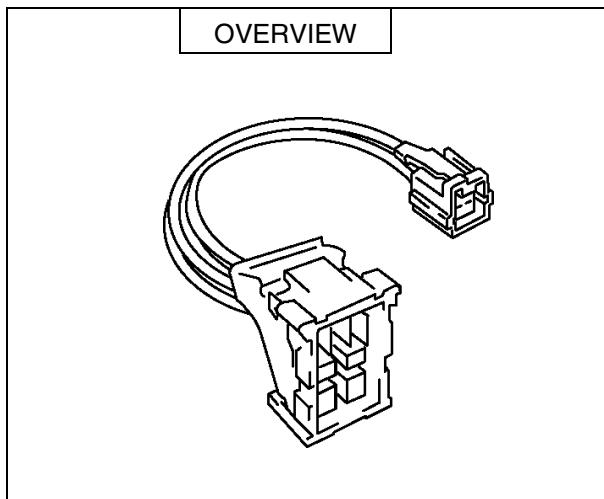
6. ADAPTER HARNESS (49 B066 004)

PRIORITY:C
Overhauling

[APPLICABLE MODEL] Mazda3

[APPLICATION] Deployment of a side air bag or pre-tensioner seat belt.

[REASON ESTABLISHED] For the new connector shape.



Heater & Air Conditioning

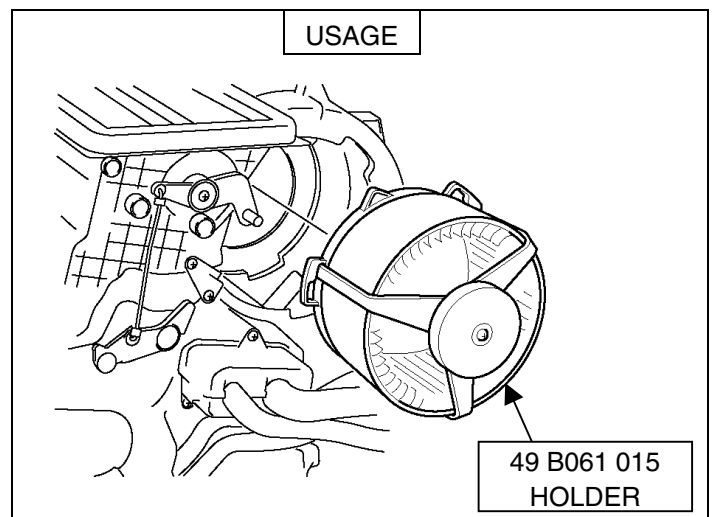
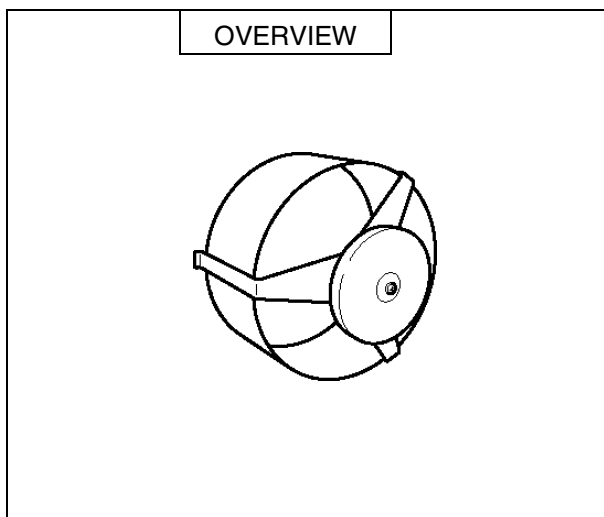
7. HOLDER (49 B061 015)

PRIORITY:C
Overhauling

[APPLICABLE MODEL] Mazda3

[APPLICATION] Removal/installation of the blower motor component.

[REASON ESTABLISHED] This SST enables on-vehicle removal/installation of the blower motor without removing/installing the dashboard ASSY. By using the SST, the removing/installing time for the blower motor ASSY can be reduced from 3 hours to 1 hour.



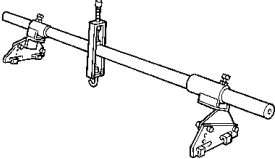
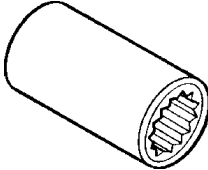
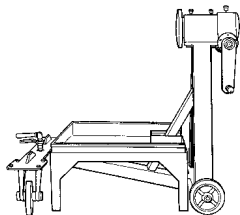
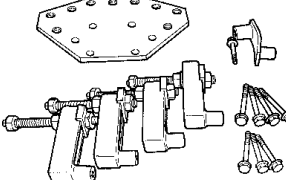
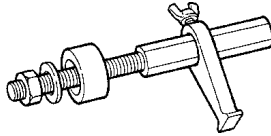
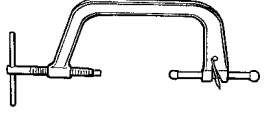
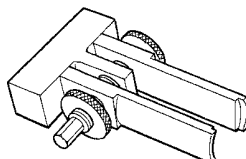
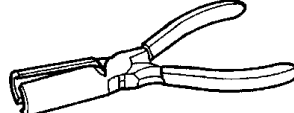
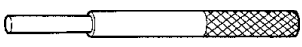
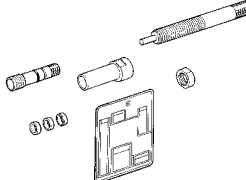
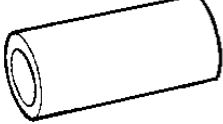
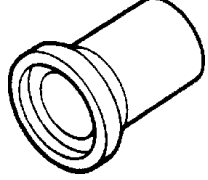
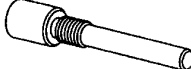
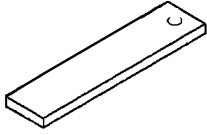
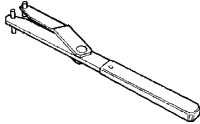
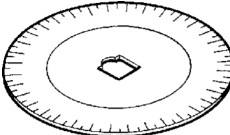
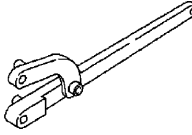
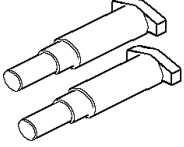
Mazda3 Special Tool(s):

This reference chart, which includes items indicated in the Mazda3, presents all of the former and new Mazda SSTs used for the Mazda3.

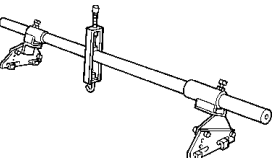
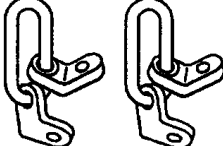
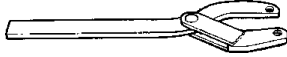
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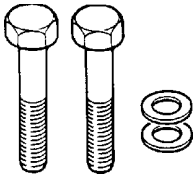
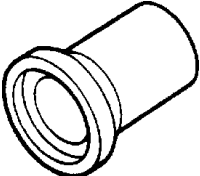
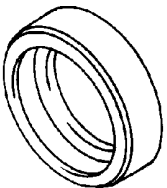
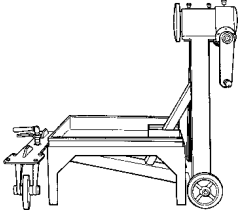
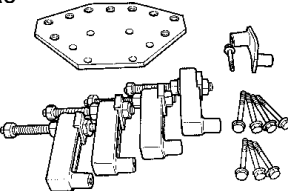
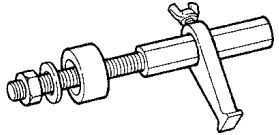
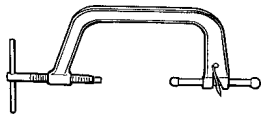
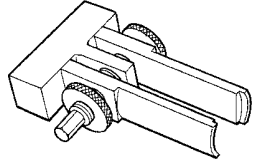
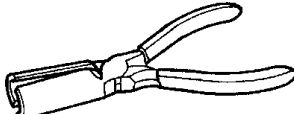
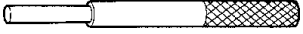
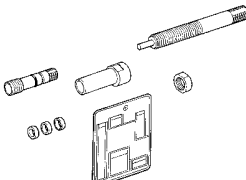
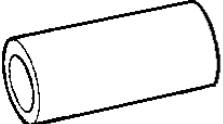
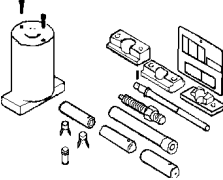
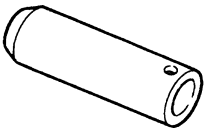
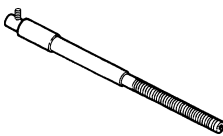
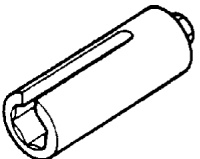
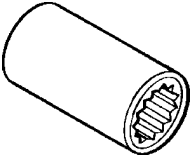
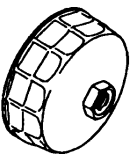
2: Global SST number

Engine (LF Engine)

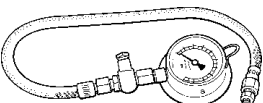
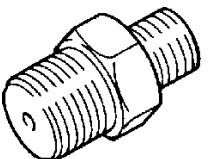
49 E017 5A0 Engine support 	49 D015 001 Box wrench 	49 0107 680A Engine stand 
49 L010 1A0 Engine hanger set 	49 E011 1A0 Ring gear brake set 	49 0636 100B Valve spring lifter arm 
49 B012 0A2 Pivot 	49 S102 170 Valve seal remover 	49 B012 015 Valve guide installer 
49 L012 0A0B Valve seal and valve guide installer set 	49 T032 302 Bearing installer 	49 H010 401 Oil seal installer 
1: 49 JE01 061 2: 303-507 Crankshaft TDC setting pin 	49 JE01 054 Camshaft alignment timing tool 	49 G032 354 Adjusting wrench 
49 D032 316 Protractor 	1: 49 UN20 5072 2: 205-072 Holder 	49 B011 105 Adapter 

Engine (Z6 Engine)

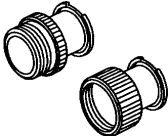
49 E017 5A0 Engine support 	1: 49 UN30 3050 2: 303-050 Engine lifting bracket 	49 S120 710 Coupling flange holder 
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<p>49 G011 103</p> <p>Bolts</p> 	<p>49 H010 401</p> <p>Oil seal installer</p> 	<p>49 E033 101</p> <p>Dust cover installer</p> 
<p>49 0107 680A</p> <p>Engine stand</p> 	<p>49 L010 1A0</p> <p>Engine hanger set</p> 	<p>49 E011 1A0</p> <p>Ring gear brake set</p> 
<p>49 0636 100B</p> <p>Valve spring lifter arm</p> 	<p>49 B012 0A2</p> <p>Pivot</p> 	<p>49 S120 170</p> <p>Valve seal remover</p> 
<p>49 B012 015</p> <p>Valve guide installer</p> 	<p>49 L012 0A0B</p> <p>Valve seal and valve guide installer set</p> 	<p>49 T032 302</p> <p>Bearing installer</p> 
<p>49 L011 0A0C</p> <p>Piston pin setting set</p> 	<p>49 E011 001A</p> <p>Piston pin guide</p> 	<p>49 E011 002A</p> <p>Screw</p> 
<p>49 H018 001</p> <p>Knock sensor wrench</p> 	<p>49 D015 001</p> <p>Box wrench</p> 	<p>49 G014 001</p> <p>Wrench oil filter</p> 

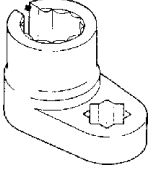
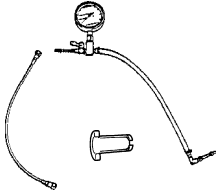
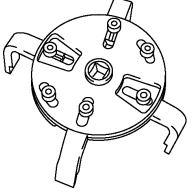
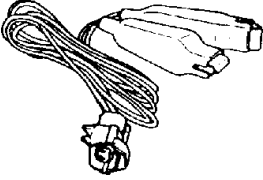
Lubrication system

<p>49 0187 280A</p> <p>Oil pressure gauge (LF Engine) (Z6 Engine)</p> 	<p>49 E019 001</p> <p>Adapter (LF Engine)</p> 	<p>-</p>
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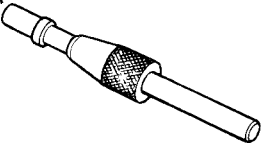

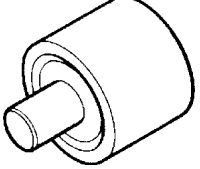
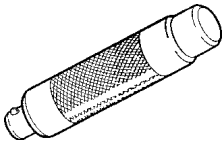
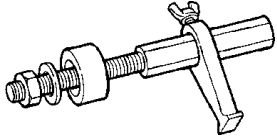
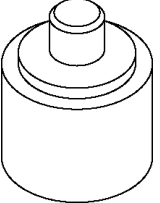
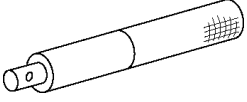
Cooling System

<p>49 B015 0A0</p> <p>Adapter set</p> 	<p>-</p>	<p>-</p>
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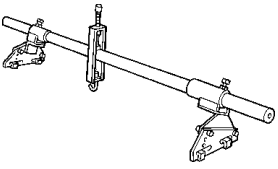
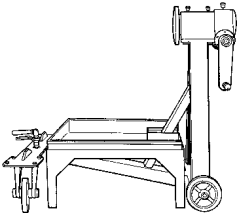
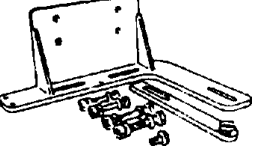
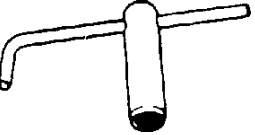
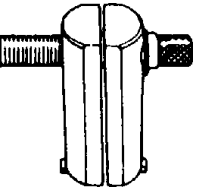
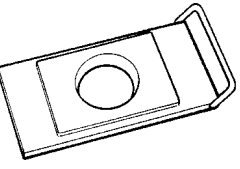
Fuel and Emission control system

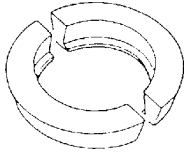
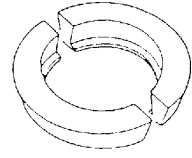
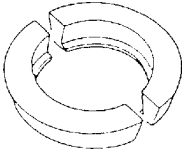
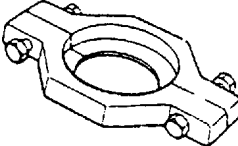
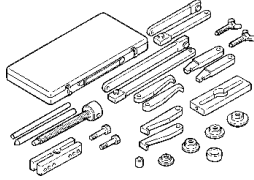
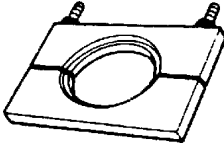

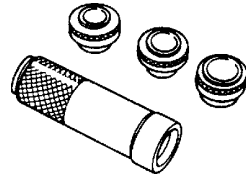
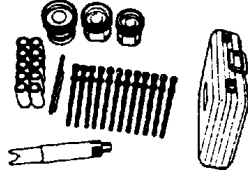
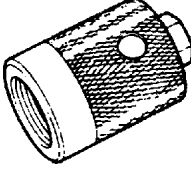
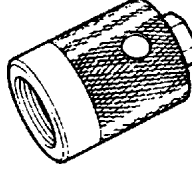

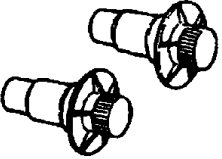
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<p>49 L018 901</p> <p>Injector checker (Z6 Engine)</p> 	<p>-</p>	<p>-</p>

Clutch

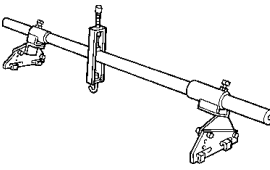
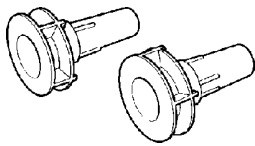

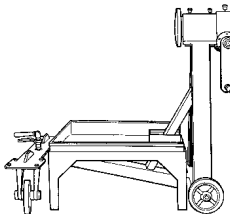
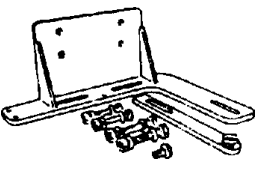
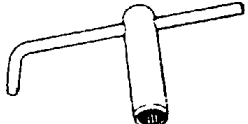
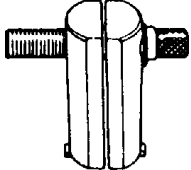
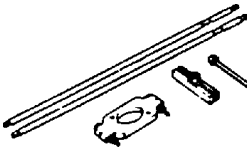
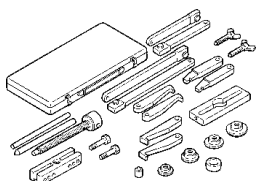
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<p>49 B001 797</p> <p>Handle (Z6 Engine)</p> 	<p>49 E011 1A0</p> <p>Ring gear brake set</p> 	<p>1: 49 UN30 8157 2: 308-157</p> <p>Pilot bearing installer (LF Engine)</p> 
<p>1: 49 UN20 5153 2: 205-153</p> <p>Handle (LF Engine)</p> 	<p>-</p>	<p>-</p>

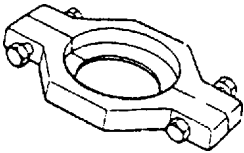
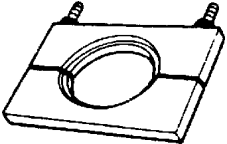
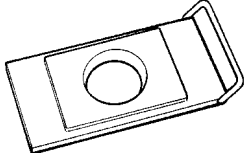
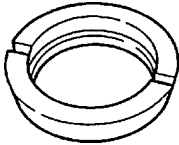
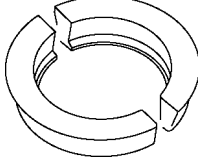
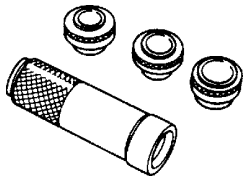
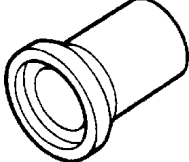
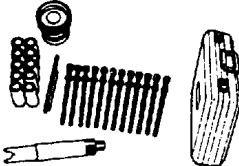
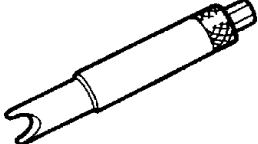
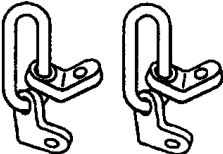
Manual Transaxle (G35M-R)

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<p>49 G030 440</p> <p>Primary shaft holder</p> 	<p>49 FT01 361</p> <p>Bearing remover</p> 	<p>49 F401 366A</p> <p>plate</p> 

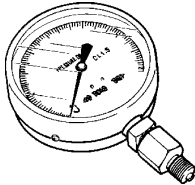
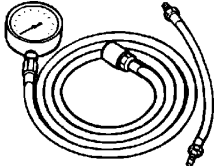
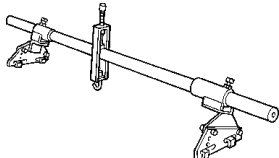
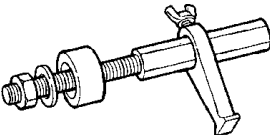

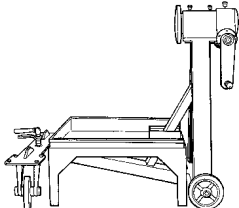
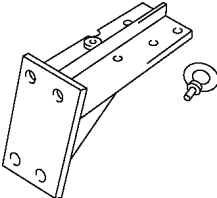
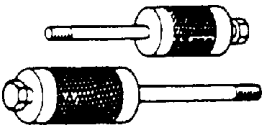
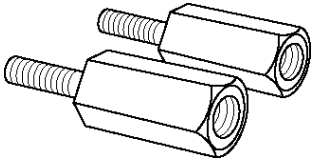
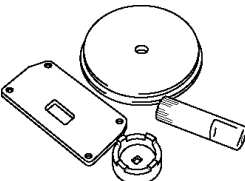
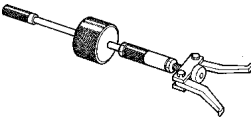
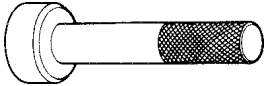
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<p>49 0636 145</p> <p>Fan pulley boss puller</p> 	<p>49 0839 425C</p> <p>Bearing puller set</p> 	<p>49 G030 370</p> <p>Removing plate</p> 
<p>49 G030 795</p> <p>Oil seal installer</p> 	<p>49 F401 330B</p> <p>Bearing Installer set</p> 	<p>49 G030 380D</p> <p>Shim selector set</p> 
<p>49 G017 202</p> <p>Preload adapter</p> 	<p>49 B017 102</p> <p>Preload adapter</p> 	<p>49 G030 338</p> <p>Attachment E</p> 
<p>49 G030 455</p> <p>Diff. side gear holder</p> 	<p>-</p>	<p>-</p>

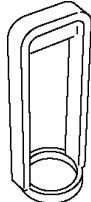
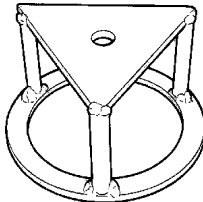
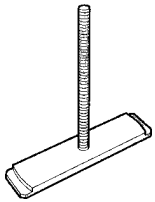
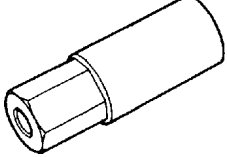
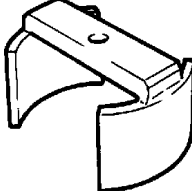
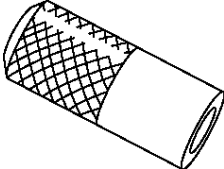
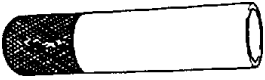
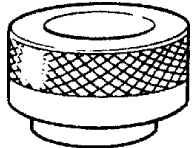
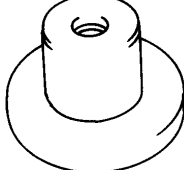
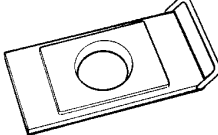
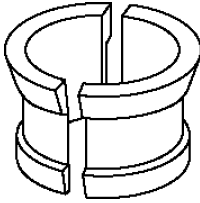
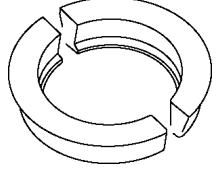
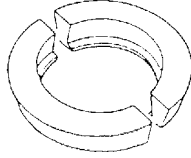

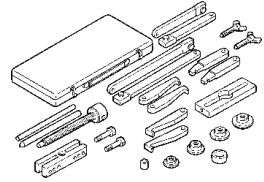
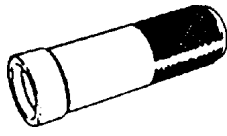
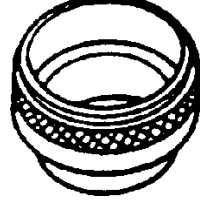
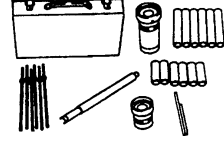
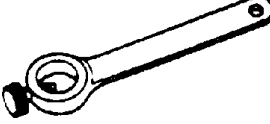
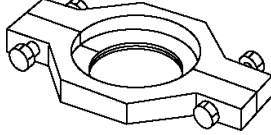
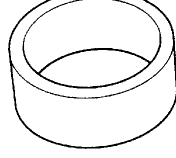
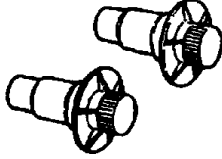
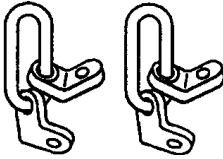
Manual Transaxle (F35M-R)

<p>49 E017 5A0</p> <p>Engine support set</p> 	<p>49 B027 006</p> <p>Diff. side gear holder</p> 	<p>49 G030 795</p> <p>Oil seal installer</p> 
<p>49 0107 680A</p> <p>Engine stand</p> 	<p>49 G019 0A0</p> <p>Transaxle hanger set</p> 	<p>49 F401 440</p> <p>Primary shaft holder</p> 
<p>49 FT01 361</p> <p>Bearing remover</p> 	<p>49 0187 520</p> <p>Rear axle shaft bearing puller</p> 	<p>49 0839 425C</p> <p>Bearing puller set</p> 

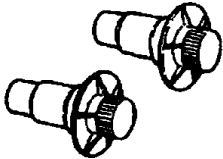
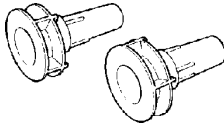


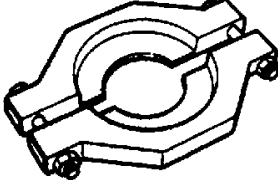
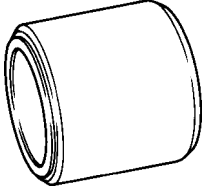
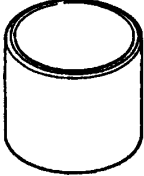
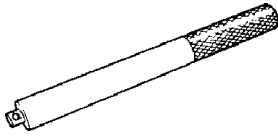
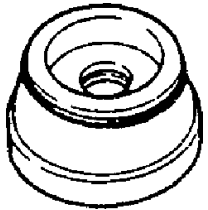
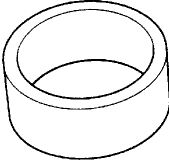
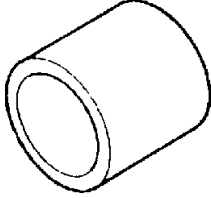
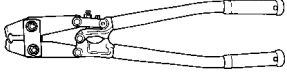
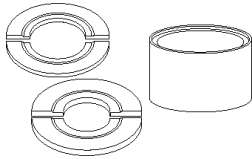
<p>49 0636 145</p> <p>Fan pulley boss puller</p> 	<p>49 G030 370</p> <p>Removing plate</p> 	<p>49 F401 366A</p> <p>Plate</p> 
<p>49 B017 203</p> <p>Attachment C</p> 	<p>49 B017 205</p> <p>Attachment E</p> 	<p>49 F401 330B</p> <p>Bearing installer set</p> 
<p>49 H010 401</p> <p>Oil seal installer</p> 	<p>49 D017 2A2A</p> <p>Shim selector set</p> 	<p>49 T027 001</p> <p>Preload adapter</p> 
<p>1: 49 UN30 3050 2: 303-050</p> <p>Engine lifting bracket</p> 	<p>-</p>	<p>-</p>

Automatic Transaxle (FN4A-EL)

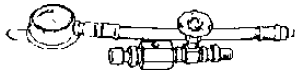
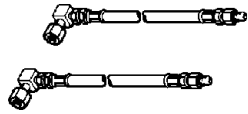

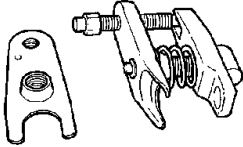
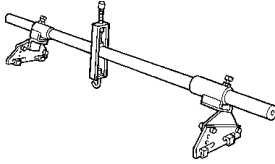
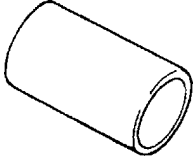
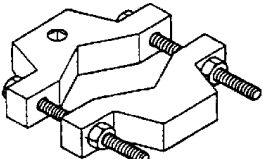
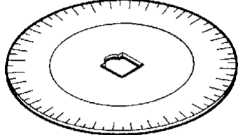

<p>49 B019 901B</p> <p>Oil pressure gauge</p> 	<p>49 0378 400C</p> <p>Oil pressure gauge set</p> 	<p>49 E017 5A0</p> <p>Engine support set</p> 
<p>49 E011 1A0</p> <p>Ring gear brake set</p> 	<p>49 G030 795</p> <p>Oil seal installer</p> 	<p>49 0107 680A</p> <p>Engine stand</p> 
<p>49 B019 010</p> <p>Transaxle hanger</p> 	<p>49 0378 390</p> <p>Oil pump puller</p> 	<p>49 B019 009</p> <p>Adapter</p> 
<p>49 B019 0A1</p> <p>Lock nut remover set</p> 	<p>49 W032 2A0</p> <p>Bearing remover set</p> 	<p>49 0500 330</p> <p>Bearing installer</p> 


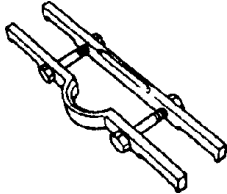

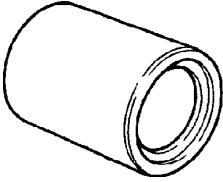
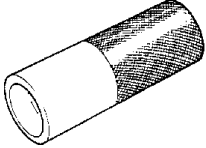

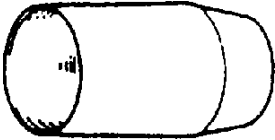
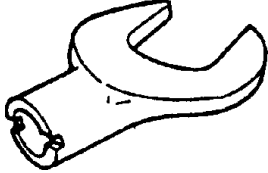
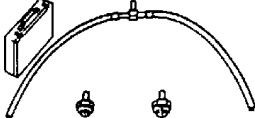
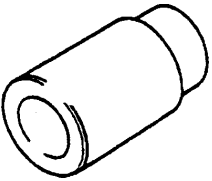
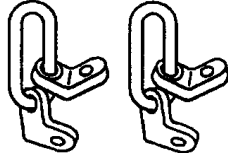
<p>49 B019 012</p> <p>Return spring compressor</p> 	<p>49 W019 002</p> <p>Body</p> 	<p>49 G019 027</p> <p>Attachment A</p> 
<p>49 G019 029</p> <p>Nut</p> 	<p>49 B019 011</p> <p>Return spring compressor</p> 	<p>49 G030 160</p> <p>Valve seal pusher</p> 
<p>49 0727 415</p> <p>Bearing installer</p> 	<p>49 V001 525</p> <p>Bearing installer</p> 	<p>49 F026 102</p> <p>Bearing installer</p> 
<p>49 F401 366A</p> <p>Plate</p> 	<p>49 T019 007</p> <p>Attachment</p> 	<p>49 B017 206</p> <p>Attachment F</p> 
<p>49 B017 209</p> <p>Attachment J</p> 	<p>49 UB71 525</p> <p>Bearing installer</p> 	<p>49 0839 425C</p> <p>Bearing puller set</p> 
<p>49 F401 331</p> <p>Body</p> 	<p>49 G030 338</p> <p>Attachment E</p> 	<p>49 B019 0A3</p> <p>Shim selector set</p> 
<p>49 0180 510B</p> <p>Preload measuring attachment</p> 	<p>49 B019 014</p> <p>Removing plate</p> 	<p>49 S231 626</p> <p>Support block</p> 
<p>49 G030 455</p> <p>Diff. side gear holder</p> 	<p>1: 49 UN30 3050 2: 303-050</p> <p>Engine lifting bracket (Z6 Engine)</p> 	<p>-</p>

Front and Rear Axle

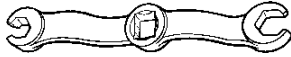
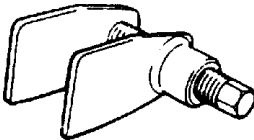
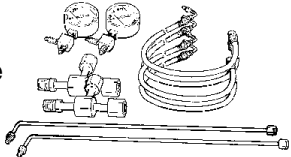
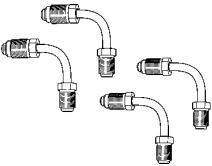
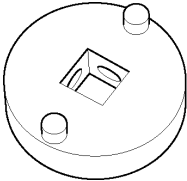

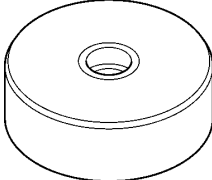
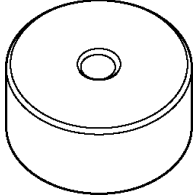
<p>49 G030 455</p> <p>Diff. side gear holder (G35M) (FN4A)</p> 	<p>49 B027 006</p> <p>Diff. side gear holder (F35M)</p> 	<p>49 G030 795</p> <p>Oil seal Installer set</p> 
<p>49 H034 201</p> <p>Support block</p> 	<p>49 H027 002</p> <p>Bearing remover</p> 	<p>49 B014 001</p> <p>Oil seal installer</p> 
<p>49 B025 004</p> <p>Dust seal installer handle</p> 	<p>49 F027 003</p> <p>Handle</p> 	<p>49 F027 005</p> <p>Attachment 62</p> 
<p>49 S231 626</p> <p>Support block</p> 	<p>49 W027 003</p> <p>Bearing installer</p> 	<p>49 T025 001</p> <p>Boot clamp crimpers</p> 
<p>49 B33 1A0</p> <p>Support plate set</p> 	<p>-</p>	<p>-</p>

Steering

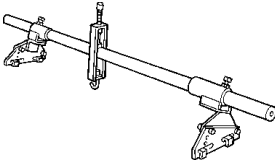
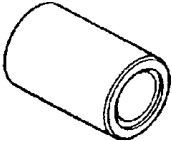
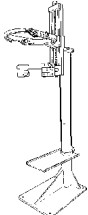
<p>49 1232 670B</p> <p>Power steering gauger set</p> 	<p>49 H002 671</p> <p>Adapter</p> 	<p>49 G032 3A4</p> <p>Power steering gauger adapter set</p> 
<p>49 T028 3A0</p> <p>Ball joint puller set</p> 	<p>49 E017 5A0</p> <p>Engine support set</p> 	<p>49 B034 202A</p> <p>Support block</p> 
<p>49 F017 1A0</p> <p>Universal wrench</p> 	<p>49 D032 316</p> <p>Protractor</p> 	<p>49 F032 303</p> <p>Handle</p> 

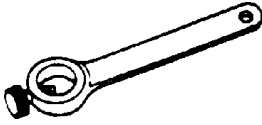
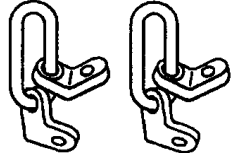
49 B032 323 Remover body rod seal 	49 N032 319A Support plate 	49 G033 102 Handle 
49 T028 301 Dust boot installer 	49 F015 002 Water seal installer 	49 F032 304 Body 
49 F032 310 Protector 	49 H032 301 Wrench 	49 G032 3A1 Joint hose set 
49 F032 320 Installer A 	1: 49 UN30 3050 2: 303-050 Engine lifting bracket (Z6 Engine) 	-

Brake

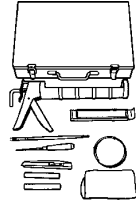
49 0259 770B Flare nut wrench 	49 0221 600C Disc brake expand tool 	49 U043 0A0A Oil pressure gauge set 
49 D043 0A0 Adapter set 	49 F043 002 Wrench 	49 G033 102 Handle 
49 B033 001 Installer 	49 B026 301 Installer 	-

Suspension

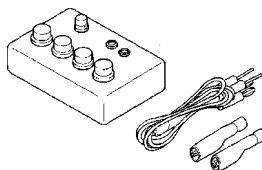
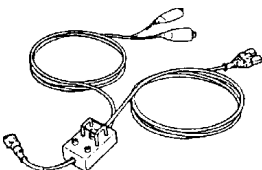


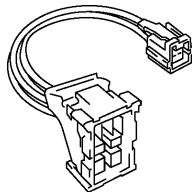

49 E017 5A0 Engine support set 	49 8038 785A Dust boot installer 	49 T034 1A0 Coil spring compressor set 
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<p>49 0180 510B</p> <p>Preload Measuring attachment</p> 	<p>1: 49 UN30 3050 2: 303-050</p> <p>Engine lifting bracket (Z6 Engine)</p> 	<p>-</p>
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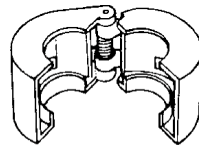
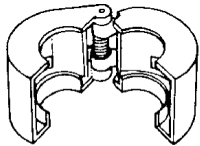
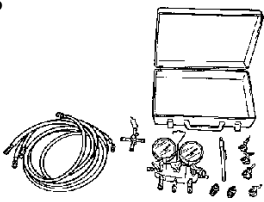
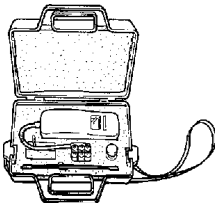
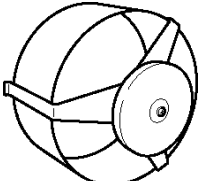
Body

<p>49 0305 870A</p> <p>Window tool set</p> 	<p>-</p>	<p>-</p>
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Body electrical system

<p>49 N088 0A0</p> <p>Fuel and thermometer checker</p> 	<p>49 H066 002</p> <p>Deployment tool</p> 	<p>49 L066 002</p> <p>Adapter harness</p> 
<p>49 G066 003</p> <p>Adapter harness</p> 	<p>49 B066 004</p> <p>Adapter harness</p> 	<p>WDS</p> 

Heater and Air Conditioner Systems

<p>49 B061 014</p> <p>Spring lock coupling disconnect tool</p> 	<p>49 G061 001</p> <p>Spring lock coupling disconnect tool</p> 	<p>49 C061 0A0B</p> <p>Gas charging set</p> 
<p>49 C061 013</p> <p>Gas leak tester</p> 	<p>49 B061 015</p> <p>Holder</p> 	<p>-</p>

SUMMARY OF NEWLY DEVELOPED SST:

No.	TOOL No.	DESCRIPTION	WEIGHT (kg)	PRIORITY
1	49 B011 105	ADAPTER	0.15	A
2	49 B015 0A0	ADAPTER SET	0.36	A
	(49 B015 001)	ADAPTER	0.18	A
	(49 B015 002)	ADAPTER	0.18	A
3	49 B033 1A0	SUPPORT PLATE SET	7.30	A
	(49 B033 101)	SUPPORT PLATE	1.20	A
	(49 B033 102)	SUPPORT PLATE	1.60	A
	(49 B033 103)	SUPPORT BLOCK	4.50	A
4	49 B033 001	INSTALLER	0.44	A
5	49 B026 301	INSTALLER	0.25	A
6	49 B066 004	ADAPTER HARNESS	0.04	C
7	49 B061 015	HOLDER	0.35	C

ORDERING:

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WERNER WEITNER
 Kfz. –Spezialwerkzeuge
 Maschinenbau, Sollnau 12
 8078 Eichstatt
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 Attention: Mr. R Strasser

Telephone: (49) 8421-981-612
 Telefax: (49) 8421-981-698
roland.strasser@werner-weitner.com


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 Upstream Service Program Group
 Vehicle Service & Program Dept.