

**Engine Model:**  
S4S

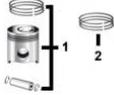
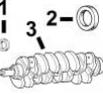
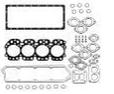
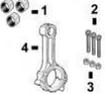
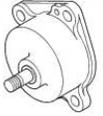
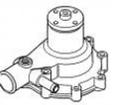
**Engine Desc:**  
INDIRECT INJECTION

**Engine Data:**  
NATURALLY ASPIRATED

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.7 in / 94.00 mm  
Stroke: 4.72 in / 120.00 mm  
Piston  
Compression Height:  
2.165 in / 55 mm

Please see page 661 for a complete list of equipment models.

 <p><b>Basic Engine Kit</b>  <ul style="list-style-type: none"> <li>MBK401</li> <li>MBK402</li> <li>Spec Sheet - S4S</li> </ul> </p>	 <p><b>1) Piston &amp; Ring Kit</b>  <ul style="list-style-type: none"> <li>M32A17-05500 Std.</li> <li>M32A17-05700 0.50</li> </ul> <b>4 Per Engine</b>  <b>2) Ring Set</b>  <ul style="list-style-type: none"> <li>M32A17-02010 Std.</li> <li>M32A17-02030 0.50</li> </ul> </p>	 <p><b>Main Bearing Set</b>  <ul style="list-style-type: none"> <li>M32A09-00010 Std.</li> <li>M32A09-00020 0.25</li> <li>M32A09-00030 0.50</li> <li>M32A09-00040 0.75</li> </ul> <b>Set of 5 Pairs</b></p>	 <p><b>Con Rod Bearing Set</b>  <ul style="list-style-type: none"> <li>M32A19-09011 Std.</li> <li>M32A19-09021 0.25</li> <li>M32A19-09031 0.50</li> <li>M32A19-09041 0.75</li> </ul> <b>Set of 4 Pairs</b></p>	 <p><b>Thrust Washer</b>  <ul style="list-style-type: none"> <li>M32B09-08101</li> </ul> <b>Set of 3 Pcs</b></p>
 <p><b>1) Front Seal</b>  <ul style="list-style-type: none"> <li>M32A11-04010</li> </ul> <b>2) Rear Seal</b>  <ul style="list-style-type: none"> <li>M34407-11090</li> <li>M34407-11090S</li> </ul> <b>3) Crankshaft</b>  <ul style="list-style-type: none"> <li>M32A20-00014</li> </ul> </p>	 <p><b>1) O/H Gasket Set</b>  <ul style="list-style-type: none"> <li>M32A94-11020</li> </ul> <b>2) Cyl Head Gsk</b>  <ul style="list-style-type: none"> <li>M32A01-12300</li> </ul> <b>3) Valve Cover Gsk</b>  <ul style="list-style-type: none"> <li>M32A04-13200</li> </ul> </p>	 <p><b>1) Bush, Con Rod</b>  <ul style="list-style-type: none"> <li>M32A19-00501 x4</li> </ul> <b>2) Bolt, Con Rod</b>  <ul style="list-style-type: none"> <li>M32A19-00400 x8</li> </ul> <b>3) Nut, Con Rod</b>  <ul style="list-style-type: none"> <li>M30619-10501 x8</li> </ul> <b>4) Con Rod</b>  <ul style="list-style-type: none"> <li>M32A19-00012</li> </ul> </p>	 <p><b>1) Tappet</b>  <ul style="list-style-type: none"> <li>M32A05-02101 x8</li> </ul> <b>2) Push Rod</b>  <ul style="list-style-type: none"> <li>M32A05-13100 x8</li> </ul> </p>	
<p><b>Valve Train</b></p>	<p><b>1) Valve, Intake</b>  <ul style="list-style-type: none"> <li>M32A04-20100 x4</li> </ul> <b>2) Valve, Exhaust</b>  <ul style="list-style-type: none"> <li>M32A04-21100 x4</li> </ul> </p>	<p><b>3) Guide, Valve</b>  <ul style="list-style-type: none"> <li>M32A01-01600 x8</li> </ul> <b>4) Spring, Valve</b>  <ul style="list-style-type: none"> <li>M30604-21402 x8</li> </ul> </p>	<p><b>5) Lock, Valve</b>  <ul style="list-style-type: none"> <li>M34404-02901 x16</li> </ul> <b>6) Seal, Valve</b>  <ul style="list-style-type: none"> <li>M32C04-06500 x8</li> </ul> </p>	
 <p><b>Oil Pump</b>  <ul style="list-style-type: none"> <li>M32B35-00010</li> </ul> </p>	 <p><b>Water Pump</b>  <ul style="list-style-type: none"> <li>M32B45-10031</li> <li>M32A45-10031</li> <li>M32A45-00022</li> </ul> </p>	 <p><b>Thermostat</b>  <ul style="list-style-type: none"> <li>M32A46-02100</li> </ul> </p>	 <p><b>Glowplug</b>  <ul style="list-style-type: none"> <li>M32A66-03101 x4</li> </ul> </p>	

(1): Seal dimensions: 90x115x13 mm.

(2): Seal with sleeve (Seal dimensions: 97x115x12 mm)

(3): Check application for proper usage.

**MITSUBISHI S4S-DT DIRECT INJECTION TURBOCHARGED**

**Engine Model:**  
S4S DT

**Engine Desc:**  
DIRECT INJECTION

**Engine Data:**  
TURBOCHARGED

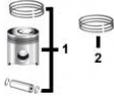
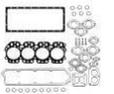
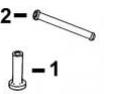
**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.7 in / 94.00 mm  
Stroke: 4.72 in / 120.00 mm

**Northern Light Generators (Marine And Industrial)**

M-NL944T

M38CR2

 <p><b>Basic Engine Kit</b>          ‧ MBK404          ‧ MBK405          ‧ Spec Sheet - S4S</p>	 <p><b>1) Piston &amp; Ring Kit</b>          ‧ M32A17-04500 <i>Std.</i>          ‧ M32A17-04700 <i>0.50</i>  <b>4 Per Engine</b>  <b>2) Ring Set</b>          ‧ M32A17-02010 <i>Std.</i>          ‧ M32A17-02030 <i>0.50</i></p>	 <p><b>Main Bearing Set</b>          ‧ M32A09-00010 <i>Std.</i>          ‧ M32A09-00020 <i>0.25</i>          ‧ M32A09-00030 <i>0.50</i>          ‧ M32A09-00040 <i>0.75</i>  <b>Set of 5 Pairs</b></p>	 <p><b>Con Rod Bearing Set</b>          ‧ M32A19-09011 <i>Std.</i>          ‧ M32A19-09021 <i>0.25</i>          ‧ M32A19-09031 <i>0.50</i>          ‧ M32A19-09041 <i>0.75</i>  <b>Set of 4 Pairs</b></p>	 <p><b>Thrust Washer</b>          ‧ M32B09-08101  <b>Set of 3 Pcs</b></p>
 <p><b>1) Front Seal</b>          ‧ M32A11-04010  <b>2) Rear Seal</b>          ‧ M34407-11090          ‧ M34407-11090S</p>	 <p><b>1) O/H Gasket Set</b>          ‧ MS4STOG  <b>2) Cyl Head Gsk</b>          ‧ M32K01-02100  <b>3) Valve Cover Gsk</b>          ‧ M32A04-03200</p>	 <p><b>1) Bush, Con Rod</b>          ‧ M32A19-00501 <i>x4</i>  <b>2) Bolt, Con Rod</b>          ‧ M32A19-00400 <i>x8</i>  <b>3) Nut, Con Rod</b>          ‧ M30619-10501 <i>x8</i>  <b>4) Con Rod</b>          ‧ M32A19-00012</p>	 <p><b>1) Tappet</b>          ‧ M32A05-02101 <i>x8</i>  <b>2) Pushrod</b>          ‧ M32A05-13100 <i>x8</i></p>	
<p><b>Valve Train</b></p>	<p><b>1) Valve, Intake</b>          ‧ M32A04-20100 <i>x4</i>  <b>2) Valve, Exhaust</b>          ‧ M32A04-21100 <i>x4</i></p>	<p><b>3) Guide, Valve</b>          ‧ M32A01-01600 <i>x8</i>  <b>4) Spring, Valve</b>          ‧ M30604-21402 <i>x8</i></p>	<p><b>5) Lock, Valve</b>          ‧ M34404-02901 <i>x16</i>  <b>6) Seal, Valve</b>          ‧ M32C04-06500 <i>x8</i></p>	
 <p><b>1) Oil Pump</b>          ‧ M32B35-00010  <b>2) Oil Cooler</b>          ‧ M32A39-03300</p>	 <p><b>1) Water Pump</b>          ‧ M32B45-10031  <b>2) Thermostat</b>          ‧ M32A46-02100</p>	 <p><b>Glowplug</b>          ‧ M32A66-07011 <i>x4</i></p>		

(1): Seal dimensions: 90x115x13 mm.

(2): Seal with sleeve (Seal dimensions: 97x115x12 mm).

**MITSUBISHI S4S-DT DIRECT INJECTION, TURBOCHARGED**

**Engine Model:**  
S4S DT

**Engine Desc:**  
DIRECT INJECTION

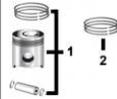
**Engine Data:**  
TURBOCHARGED

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.7 in / 94.00 mm  
Stroke: 4.72 in / 120.00 mm



**Basic Engine Kit**  
• MBK407  
• MBK408  
• Spec Sheet - S4S



**1) Piston & Ring Kit**  
• M32A17-55500 Std.  
• M32A17-55700 0.50  
**4 Per Engine**  
**2) Ring Set**  
• M32A17-03010 Std.  
• M32A17-03030 0.50



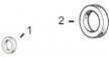
**Main Bearing Set**  
• M32A09-00010 Std.  
• M32A09-00020 0.25  
• M32A09-00030 0.50  
• M32A09-00040 0.75  
**Set of 5 Pairs**



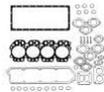
**Con Rod Bearing Set**  
• M32A19-09011 Std.  
• M32A19-09021 0.25  
• M32A19-09031 0.50  
• M32A19-09041 0.75  
**Set of 4 Pairs**



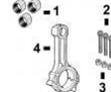
**Thrust Washer**  
• M32B09-08101  
**Set of 3 Pcs**



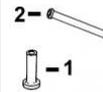
**1) Front Seal**  
• M32A11-04010  
**2) Rear Seal**  
• M34407-11090  
• M34407-11090S



**1) O/H Gasket Set**  
• MS4STOG  
**2) Cyl Head Gsk**  
1  
2  
• M32K01-02100  
**3) Valve Cover Gsk**  
• M32A04-13200



**1) Bush, Con Rod**  
• M32A19-00501 x4  
**2) Bolt, Con Rod**  
• M32A19-00400 x8  
**3) Nut, Con Rod**  
• M30619-10501 x8  
**4) Con Rod**  
• M32A19-00012



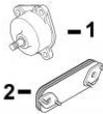
**1) Tappet**  
• M32A05-02101 x8  
**2) Push Rod**  
• M32A05-13100 x8

**Valve Train**

**1) Valve, Intake**  
• M32A04-20100 x4  
**2) Valve, Exhaust**  
• M32A04-21100 x4

**3) Guide, Valve**  
• M32A01-01600 x8  
**4) Spring, Valve**  
• M30604-21402 x8

**5) Lock, Valve**  
• M34404-02901 x16  
**6) Seal, Valve**  
• M32C04-06500 x8



**1) Oil Pump**  
• M32B35-00010  
**2) Oil Cooler**  
• M32A39-03300



**1) Water Pump**  
• M32B45-10031  
**2) Thermostat**  
• M32A46-02100



**Glowplug**  
• M32A66-07011 x4

(1): Seal dimensions: 90x115x13 mm.

(2): Seal with sleeve (Seal dimensions: 97x115x12 mm)

**MITSUBISHI S4S-DT DIRECT INJECTION, TURBOCHARGED**

**Engine Model:**  
S4S DT

**Engine Desc:**  
DIRECT INJECTION

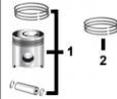
**Engine Data:**  
TURBOCHARGED

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 3.7 in / 94.00 mm  
Stroke: 4.72 in / 120.00 mm



**Basic Engine Kit**  
• MBK410  
• MBK411  
• Spec Sheet - S4S



**1) Piston & Ring Kit**  
• M32A17-55100 Std.  
• M32A17-55300 0.50  
**4 Per Engine**  
**2) Ring Set**  
• M32A17-03010 Std.  
• M32A17-03030 0.50



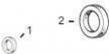
**Main Bearing Set**  
• M32A09-00010 Std.  
• M32A09-00020 0.25  
• M32A09-00030 0.50  
• M32A09-00040 0.75  
**Set of 5 Pairs**



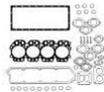
**Con Rod Bearing Set**  
• M32A19-09011 Std.  
• M32A19-09021 0.25  
• M32A19-09031 0.50  
• M32A19-09041 0.75  
**Set of 4 Pairs**



**Thrust Washer**  
• M32B09-08101  
**Set of 3 Pcs**



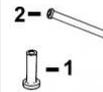
**1) Front Seal**  
• M32A11-04010  
**2) Rear Seal**  
• M34407-11090  
• M34407-11090S



**1) O/H Gasket Set**  
• MS4STOG  
**2) Cyl Head Gsk**  
1  
2  
• M32K01-02100  
**3) Valve Cover Gsk**  
• M32A04-13200



**1) Bush, Con Rod**  
• M32A19-00501 x4  
**2) Bolt, Con Rod**  
• M32A19-00400 x8  
**3) Nut, Con Rod**  
• M30619-10501 x8  
**4) Con Rod**  
• M32A19-00012



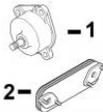
**1) Tappet**  
• M32A05-02101 x8  
**2) Push Rod**  
• M32A05-13100 x8

**Valve Train**

**1) Valve, Intake**  
• M32A04-20100 x4  
**2) Valve, Exhaust**  
• M32A04-21100 x4

**3) Guide, Valve**  
• M32A01-01600 x8  
**4) Spring, Valve**  
• M30604-21402 x8

**5) Lock, Valve**  
• M34404-02901 x16  
**6) Seal, Valve**  
• M32C04-06500 x8



**1) Oil Pump**  
• M32B35-00010  
**2) Oil Cooler**  
• M32A39-03300



**1) Water Pump**  
• M32B45-10031  
**2) Thermostat**  
• M32A46-02100



**Glowplug**  
• M32A66-07011 x4

(1): Seal dimensions: 90x115x13 mm.

(2): Seal with sleeve (Seal dimensions: 97x115x12 mm)

**mitsubishi S6S INDIRECT INJECTION NATURALLY ASPIRATED**

**Engine Model:**  
S6S

**Engine Desc:**  
INDIRECT INJECTION

**Engine Data:**  
NATURALLY ASPIRATED

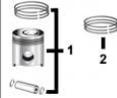
**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
Bore: 3.7 in / 94.00 mm  
Stroke: 4.72 in / 120.00 mm  
Piston  
Compression Height:  
2.165 in / 55 mm



**Basic Engine Kit**

- › MBK601
- › MBK602
- › SPEC SHEET - S6S



**1) Piston & Ring Kit**

- › M32A17-05500 Std.
- › M32A17-05700 0.50

**6 Per Engine**

**2) Ring Set**

- › M32A17-02010 Std.
- › M32A17-02030 0.50



**Main Bearing Set**

- › M32B09-00010 Std.
- › M32B09-00020 0.25
- › M32B09-00030 0.50
- › M32B09-00040 0.75

**Set of 7 Pairs**



**Con Rod Bearing Set**

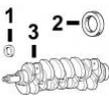
- › M32B09-09010 Std.
- › M32B09-09020 0.25
- › M32B09-09030 0.50
- › M32B09-09040 0.75

**Set of 6 Pairs**



**Thrust Washer**

- › M32B09-08101
- Set of 3 Pcs**



**1) Front Seal**

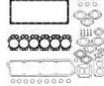
- › M32A11-04010

**2) Rear Seal**

- › M34407-11090
- › M34407-11090S

**3) Crankshaft**

- › M32B20-00012F



**1) O/H Gasket Set**

- › M32B94-00010

**2) Cyl Head Gsk**

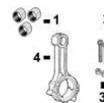
- › M32B01-12101

**3) Valve Cover Gsk**

- › M32B04-03200

**4) Oil Pan Gasket**

**MOILPG**



**1) Bush, Con Rod**

- › M32A19-00501 x6

**2) Bolt, Con Rod**

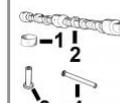
- › M32A19-00400 x12

**3) Nut, Con Rod**

- › M30619-10501 x12

**4) Con Rod**

- › M32A19-00012



**1) Bushing, Cam**

- › M34307-12700 x1
- › M34307-02801 x2
- › M34307-02900 x1

**Bushing, Cam Set**

- › MS6KCBS

**2) Camshaft**

- › M32B05-00200

**3) Tappet**

- › M32A05-02101 x12

**4) Pushrod**

- › M32A05-13100 x12

**Valve Train**

**1) Valve, Intake**

- › M32A04-20100 x6

**2) Valve, Exhaust**

- › M32A04-21100 x6

**3) Guide, Valve**

- › M32A01-01600 x12

**4) Spring, Valve**

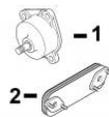
- › M30604-21402 x12

**5) Lock, Valve**

- › M34404-02901 x24

**6) Seal, Valve**

- › M32C04-06500 x12



**1) Oil Pump**

- › M32B35-00010

**2) Oil Cooler**

- › M32A39-03300



**1) Water Pump**

- › M32B45-10031

**2) Thermostat**

- › M32A46-02100



**Repair Sleeve**

- › M32A07-00300



**Glowplug**

- › M32A66-03101 x6

(1): Seal dimensions: 90x115x13 mm.

(3): Includes: M34307-12700 x 1 M34307-02801 x 2 M34307 - 02900 x 1

(2): Seal with sleeve (Seal dimensions: 97x115x12 mm)

(4): Oil Pan Gasket not included in O/H Gasket Set; use approved Sealant Gasket or order Oil Pan Gasket MOILPG separately.

**MITSUBISHI S4K-T**

**Engine Model:**  
S4K-T

**Engine Desc:**  
DIRECT INJECTION

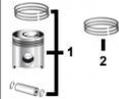
**Engine Data:**  
TURBOCHARGED

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 4.016 in / 102.00 mm  
Stroke: 5.12 in / 130.00 mm



**Basic Engine Kit**  
 , MBK748 Std.  
 , SPEC SHEET - S4K-T



**1) Piston & Ring Kit**  
 , M34317-07100 Std.  
**4 Per Engine**  
**2) Ring Set**  
 , M34317-07010 Std.



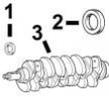
**Main Bearing Set**  
 , M34309-09051-4 Std.  
 , M34309-09061-4 0.25  
 , M34309-09071-4 0.50  
 , M34309-09081-4 0.75  
**Set of 5 Pairs**



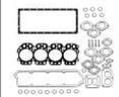
**Con Rod Bearing Set**  
 , M34219-00500-4 Std.  
 , M34219-00600-4 0.25  
 , M34219-00700-4 0.50  
 , M34219-00800-4 0.75  
**Set of 4 Pairs**



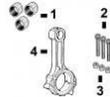
**Thrust Washer**  
 , M34309-00800  
**Set of 3 Pcs**



**1) Front Seal**  
 , M34311-00800  
**2) Rear Seal**  
 , M34312-00080  
**3) Crankshaft**  
 , M34420-00042



**1) O/H Gasket Set**  
 , M34294-03050  
**2) Cyl Head Gsk**  
 , M34201-10700  
**3) Rocker Cover Gasket**  
 , M34404-35301  
**4) Oil Pan Gasket**  
 , M34213-04100



**1) Bush, Con Rod**  
 , M34319-10501 x4  
**2) Bolt, Con Rod**  
 , MME012232 x8  
**3) Nut, Con Rod**  
 , MME023570 x8  
**4) Con Rod**  
 , M34319-01012



**1) Tappet**  
 , M30605-62100  
**2) Push Rod**  
 , M34405-03100 x8  
**3) Camshaft**  
 , M34205-00302  
**4) Cam Bushing Kit**  
 , MS4KCBS x1



**Oil Pressure Switch**  
 , MMC840-219

**Intake Valve**  
 , M34204-00200 x4  
**Insert Valve**  
 , M34301-01800 x4

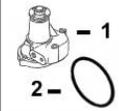
**Exhaust Valve**  
 , M36704-01601 x4  
**Insert Valve**  
 , M34301-01600 x4

**Intake Valve Guide**  
 , M34301-02200 x4  
**Exhaust Valve Guide**  
 , M34301-02300 x4

**Valve Seal**  
 , M30604-22801 x8  
**Valve Spring**  
 , M36704-02100 x8



**1) Oil Pump Gears**  
 , M34235-03021 9 teeth  
 , M34235-03031 9 teeth  
**2) Oil Pump Gasket**  
 , M34335-02400  
**3) Oil Cooler**  
 , M34239-02100  
**4) Oil Cooler Gasket**  
 , M34239-04101



**1) Water Pump**  
 , M34345-10051  
**2) Water Pump, Gasket**  
 , M06016-13110



**1) Thermostat**  
 , M34346-11500  
**2) Thermostat Gasket**  
 , M34346-14100



**1) Fuel Lift Pump**  
 , M105220-7180  
**2) Injector**  
 , M34361-06070  
 , M34361-03030



**Repair Sleeve**  
 , M34307-00501

(1): Check application for proper usage

MITSUBISHI S4K-T

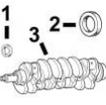
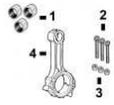
**Engine Model:**  
S4K-T

**Engine Desc:**  
DIRECT INJECTION

**Engine Data:**  
TURBOCHARGED

**Engine Info:**  
4 Cyl

**Engine Dimensions:**  
Bore: 4.016 in / 102.00 mm  
Stroke: 5.12 in / 130.00 mm

 <p><b>Basic Engine Kit</b>          † MBK749 Std.          † SPEC SHEET - S4K-T</p>	 <p><b>1) Piston &amp; Ring Kit</b>          † M34317-07500 Std.  <b>4 Per Engine</b>  <b>2) Ring Set</b>          † M34317-07010 Std.</p>	 <p><b>Main Bearing Set</b>          † M34309-09051-4 Std.          † M34309-09061-4 0.25          † M34309-09071-4 0.50          † M34309-09081-4 0.75  <b>Set of 5 Pairs</b></p>	 <p><b>Con Rod Bearing Set</b>          † M34219-00500-4 Std.          † M34219-00600-4 0.25          † M34219-00700-4 0.50          † M34219-00800-4 0.75  <b>Set of 4 Pairs</b></p>	 <p><b>Thrust Washer</b>          † M34309-00800  <b>Set of 3 Pcs</b></p>
 <p><b>1) Front Seal</b>          † M34311-00800  <b>2) Rear Seal</b>          † M34312-00080  <b>3) Crankshaft</b>          † M34220-00042</p>	 <p><b>1) O/H Gasket Set</b>          † M34294-03050  <b>2) Cyl Head Gsk</b>          † M34201-10700  <b>3) Rocker Cover Gasket</b>          † M34404-35301  <b>4) Oil Pan Gasket</b>          † M34213-04100</p>	 <p><b>1) Bush, Con Rod</b>          † M34319-10501 x4  <b>2) Bolt, Con Rod</b>          † MME012232 x8  <b>3) Nut, Con Rod</b>          † MME023570 x8  <b>4) Con Rod</b>          † M34319-01012</p>	 <p><b>1) Tappet</b>          † M30605-62100 x8  <b>2) Push Rod</b>          † M34405-03100 x8  <b>3) Camshaft</b>          † M34205-00302  <b>4) Cam Bushing Kit</b>          † MS4KCBS</p>	 <p><b>Oil Pressure Switch</b>          † MMC840-219</p>
<p><b>Intake Valve</b>          † M36704-00401 x4  <b>Insert Valve</b>          † M34301-01800 x4</p>	<p><b>Exhaust Valve</b>          † M36704-01601 x4  <b>Insert Valve</b>          † M34301-01600 x4</p>	<p><b>Intake Valve Guide</b>          † M34301-02200 x4  <b>Exhaust Valve Guide</b>          † M34301-02300 x4</p>	<p><b>Valve Seals</b>          † M30604-22801 x8  <b>Valve Spring</b>          † M36704-02100 x8</p>	
 <p><b>1) Oil Pump Gears</b>          † M34235-03021 9 teeth          † M34235-03031 9 teeth  <b>2) Oil Pump Gasket</b>          † M34335-02400  <b>3) Oil Cooler</b>          † M34239-02100  <b>5) Oil Cooler Gasket</b>          † M34239-04101</p>	 <p><b>1) Water Pump</b>          † M34345-10010  <b>2) Water Pump, Gasket</b>          † M06016-13110</p>	 <p><b>1) Thermostat</b>          † M34346-11500  <b>2) Thermostat Gasket</b>          † M34346-14100</p>	 <p><b>1) Fuel Lift Pump</b>          † M105220-7180  <b>2) Injector</b>          † M34361-11010</p>	 <p><b>1) Repair Sleeve</b>          † M34307-00501  <b>2) Cylinder Head</b>          † M34201-21060UF <b>(1)</b>  <b>3) Turbocharger</b>          † M49189-02450 <b>(2)</b></p>

(1): Intake Valve – 44mm Head Diameter

(2): Check application for proper usage.

MITSUBISHI S6S-D DIRECT INJECTION NATURALLY ASPIRATED

**Engine Model:**  
S6S D

**Engine Desc:**  
DIRECT INJECTION

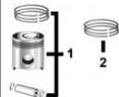
**Engine Data:**  
NATURALLY ASPIRATED

**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
Bore: 3.7 in / 94.00 mm  
Stroke: 4.72 in / 120.00 mm



**Basic Engine Kit**  
 , MBK604  
 , MBK605  
 , SPEC SHEET - S6S D



**1) Piston & Ring Kit**  
 , M32A17-05102 Std.  
 , M32A17-05302 0.50  
**6 Per Engine**  
**2) Ring Set**  
 , M34417-02012 Std.  
 , M34417-02032 0.50



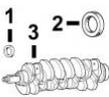
**Main Bearing Set**  
 , M32B09-00010 Std.  
 , M32B09-00020 0.25  
 , M32B09-00030 0.50  
 , M32B09-00040 0.75  
**Set of 7 Pairs**



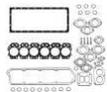
**Con Rod Bearing Set**  
 , M32B09-09010 Std.  
 , M32B09-09020 0.25  
 , M32B09-09030 0.50  
 , M32B09-09040 0.75  
**Set of 6 Pairs**



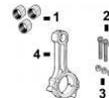
**Thrust Washer**  
 , M32B09-08101  
**Set of 3 Pcs**



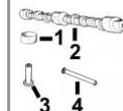
**1) Front Seal**  
 , M32A11-04010  
**2) Rear Seal**  
 , M34407-11090  
 , M34407-11090S  
**3) Crankshaft**  
 , M32B20-00012F



**1) O/H Gasket Set**  
 , M32B94-00010  
**2) Cyl Head Gsk**  
 , M32B01-12101  
**3) Valve Cover Gsk**  
 , M32B04-03200  
**4) Oil Pan Gasket**  
 , MOILPG



**1) Bush, Con Rod**  
 , M32A19-00501 x6  
**2) Bolt, Con Rod**  
 , M32A19-00400 x12  
**3) Nut, Con Rod**  
 , M30619-10501 x12  
**4) Con Rod**  
 , M32A19-00012



**1) Bushing, Cam**  
 , M34307-12700 x1  
 , M34307-02801 x2  
 , M34307-02900 x1  
**Bushing, Cam Set**  
 , MS6KCBS  
**2) Camshaft**  
 , M32B05-00200  
**3) Tappet**  
 , M32A05-02101 x12  
**4) Pushrod**  
 , M32A05-13100 x12

**Valve Train**

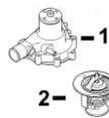
**1) Valve, Intake**  
 , M32A04-20100 x6  
**2) Valve, Exhaust**  
 , M32A04-21100 x6

**3) Guide, Valve**  
 , M32A01-01600 x12  
**4) Spring, Valve**  
 , M30604-21402 x12

**5) Lock, Valve**  
 , M34404-02901 x24  
**6) Seal, Valve**  
 , M32C04-06500 x12



**1) Oil Pump**  
 , M32B35-00010  
**2) Oil Cooler**  
 , M32B39-00100



**1) Water Pump**  
 , M32B45-10031  
**2) Thermostat**  
 , M32A46-02100



**1) Repair Sleeve**  
 , M32A07-00300  
**2) Cylinder Head**  
 , M32B01-06041UF



**Glowplug**  
 , M32A66-07011 x6

(1): Seal dimensions: 90x115x13 mm.

(3): Direct Injection w/ Glowplugs.

(2): Seal with sleeve (Seal dimensions: 97x115x12 mm)

(4): Includes: M34307-12700 x 1 M34307-02801 x 2 M34307-02900 x 1

(5): Oil Pan Gasket not included in O/H Gasket Set; use approved Sealant Gasket or order Oil Pan Gasket MOILPG separately.

**MITSUBISHI S6S-DT DIRECT INJECTION TURBOCHARGED**

**Engine Model:**  
S6S DT

**Engine Desc:**  
DIRECT INJECTION

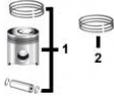
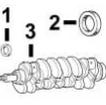
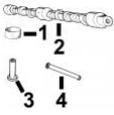
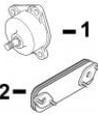
**Engine Data:**  
TURBOCHARGED

**Engine Info:**  
6 Cyl

**Engine Dimensions:**  
Bore: 3.7 in / 94.00 mm  
Stroke: 4.72 in / 120.00 mm

**Hyundai**  
R160LCD-7

R180LCD-7

 <p><b>Basic Engine Kit</b>            , MBK607            , MBK608            , SPEC SHEET - S6S DT</p>	 <p><b>1) Piston &amp; Ring Kit</b>            , M32A17-06101 Std.            , M32A17-06301 0.50  <b>6 Per Engine</b>  <b>2) Ring Set</b>            , M34417-02012 Std.            , M34417-02032 0.50</p>	 <p><b>Main Bearing Set</b>            , M32B09-00010 Std.            , M32B09-00020 0.25            , M32B09-00030 0.50            , M32B09-00040 0.75  <b>Set of 7 Pairs</b></p>	 <p><b>Con Rod Bearing Set</b>            , M32B09-09010 Std.            , M32B09-09020 0.25            , M32B09-09030 0.50            , M32B09-09040 0.75  <b>Set of 6 Pairs</b></p>	 <p><b>Thrust Washer</b>            , M32B09-08101  <b>Set of 3 Pcs</b></p>
 <p><b>1) Front Seal</b>            , M32A11-04010  <b>2) Rear Seal</b>            , M34407-11090            , M32A20-00012  <b>3) Crankshaft</b>            , M32B20-00012F</p>	 <p><b>1) O/H Gasket Set</b>            , M32B94-00010  <b>2) Cyl Head Gsk</b>            , M32B01-12101  <b>3) Valve Cover Gsk</b>            , M32B04-03200  <b>4) Oil Pan Gasket</b>            , MOILPG</p>	 <p><b>1) Bush, Con Rod</b>            , M32A19-00501 x6  <b>2) Bolt, Con Rod</b>            , M32A19-00400 x12  <b>3) Nut, Con Rod</b>            , M30619-10501 x12  <b>4) Con Rod</b>            , M32A19-00012</p>	 <p><b>1) Bushing, Cam</b>            , M34307-12700 x1            , M34307-02801 x2            , M34307-02900 x1  <b>Bushing, Cam Set</b>            , MS6KCBS  <b>2) Camshaft</b>            , M32B05-00200  <b>3) Tappet</b>            , M32A05-02101 x12  <b>4) Pushrod</b>            , M32A05-13100 x12</p>	
<p><b>Valve Train</b></p>	<p><b>1) Valve, Intake</b>            , M32A04-20100 x6  <b>2) Valve, Exhaust</b>            , M32A04-21100 x6</p>	<p><b>3) Guide, Valve</b>            , M32A01-01600 x12  <b>4) Spring, Valve</b>            , M30604-21402 x12</p>	<p><b>5) Lock, Valve</b>            , M34404-02901 x24  <b>6) Seal, Valve</b>            , M32C04-06500 x12</p>	
 <p><b>1) Oil Pump</b>            , M32B35-00010  <b>2) Oil Cooler</b>            , M32B39-00100</p>	 <p><b>1) Water Pump</b>            , M32B45-10031  <b>2) Thermostat</b>            , M32A46-02100</p>	 <p><b>1) Repair Sleeve</b>            , M32A07-00300  <b>2) Cylinder Head</b>            , M32B01-06041UF</p>	 <p><b>Glowplug</b>            , M32A66-07011 x6</p>	

(1): Seal dimensions: 90x115x13 mm.

(3): Direct Injection w/ Glowplugs.

(5): Oil Pan Gasket not included in O/H Gasket Set; use approved Sealant Gasket or order Oil Pan Gasket MOILPG separately.

(2): Seal with sleeve (Seal dimensions: 97x115x12 mm)

(4): Includes: M34307-12700 x 1 M34307-02801 x 2 M34307-02900 x 1

**MITSUBISHI S6K**

**Engine Model:**  
S6K

**Engine Desc:**  
DIRECT  
INJECTION

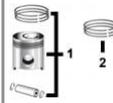
**Engine Data:**  
TURBO

**Engine Info:**  
6 Cyl



**Basic Engine Kit**

- › MBK7500
- › SPEC SHEET - S6K



- 1) **Piston & Ring Kit**
  - › M34317-07500 Std.
- 2) **Ring Set**
  - › M34317-07010 Std.



- Main Bearing Set**
- › M34309-09051 Std.
  - › M34309-09061 0.25
  - › M34309-09071 0.50
  - › M34309-09081 0.75
- Set of 7 Pairs**

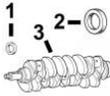


- Con Rod Bearing Set**
- › M34219-00500 Std.
  - › M34219-00600 0.25
  - › M34219-00700 0.50
  - › M34219-00800 0.75
- Set of 6 Pairs**

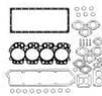


- Thrust Washer**
- › M34309-00800
- Set of 3 Pcs**

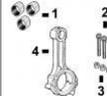
**Engine Dimensions:**  
Bore: 102.00 mm  
Stroke: 130.00 mm



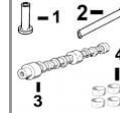
- 1) **Front Seal**
  - › M34311-00800
- 2) **Rear Seal**
  - › M34312-00080
- 3) **Crankshaft**
  - › M34320-00040



- 1) **O/H Gasket Set**
  - › M34394-20010
- 2) **Cyl Head Gsk**
  - › M34301-00203
- 3) **Rocker Cover Gasket**
  - › M34304-00701
  - › M34704-15301
- 4) **Oil Pan Gasket**
  - › M34313-04100



- 1) **Bush, Con Rod**
  - › M34319-10501 x6
- 2) **Bolt, Con Rod**
  - › ME012232 x12
- 3) **Nut, Con Rod**
  - › ME023570 x12
- 4) **Con Rod**
  - › M34319-01012 x6



- 1) **Tappet**
  - › M30605-62100 x12
- 2) **Push Rod**
  - › M34405-03100 x12
- 3) **Camshaft**
  - › M34305-00601
- 4) **Cam Bushing Kit**
  - › MS6KCBS

- Intake Valve**
- › M36704-00401 x6
  - › M34204-00200 x6
- Valve Insert**
- › M34301-01800

- 2
  - 3
  - 4
- Exhaust Valve**
- › M36704-01601 x6
- Valve Insert**
- › M34301-01600 x6

- Intake Valve Guide**
- › M34301-02200
- Exhaust Valve Guide**
- › M34301-02300

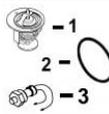
- Valve Spring**
- › M36704-02100
- Valve Seals**
- › M30604-22801



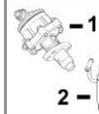
- 1) **Oil Pump**
  - › M32B35-00010
- 2) **Oil Pump Gasket**
  - › M34335-02400
  - › M34335-01301
- 3) **Oil Cooler**
  - › M34339-02102
- 4) **Oil Cooler Gasket**
  - › M34339-04101



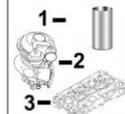
- 5
  - 6
  - 7
  - 8
- 1) **Water Pump**
    - › M34345-10010
    - › M34345-10051
  - 2) **Water Pump, Gasket**
    - › M06016-13110



- 1) **Thermostat**
  - › M34346-11500
- 2) **Thermostat Gasket**
  - › M34346-14100
- 3) **Oil Pressure Switch**
  - › MMC840-219



- 1) **Fuel Lift Pump**
  - › M105220-7180
- 2) **Injector**
  - › M34365-03040



- 1
  - 2
  - 3
  - 2
  - 3
  - 3
- 1) **Repair Sleeve**
    - › M34307-00501
  - 2) **Turbocharger**
    - › M49179-02300
  - 3) **Cylinder Head**
    - › M34301-21030UF (2)
    - Front
    - › M34301-21040UF Re (2)
    - › M34301-04050UF (3)
    - Front
    - › M34301-04060UF Re (3)

- (1): Check for proper application.
- (3): Intake valve – 46mm head diameter.
- (5): 8 installation holes.
- (7): 7 vanes impeller wheel.

- (2): Intake valve – 44mm head diameter.
- (4): For intake valve M34204-00200 – 46mm head diameter.
- (6): 7 installation holes.
- (8): 8 vanes impeller wheel.

**mitsubishi S6K 1**

**Engine Model:**  
S6K

**Engine Desc:**  
DIRECT  
INJECTION

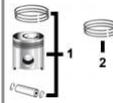
**Engine Data:**  
TURBO

**Engine Info:**  
6 Cyl



**Basic Engine Kit**

- › MBK7100
- › SPEC SHEET - S6K



- 1) **Piston & Ring Kit**
  - › M34317-07100 Std.
- 2) **Ring Set**
  - › M34317-07010 Std.



- Main Bearing Set**
- › M34309-09051 Std.
  - › M34309-09061 0.25
  - › M34309-09071 0.50
  - › M34309-09081 0.75
- Set of 7 Pairs**

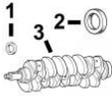


- Con Rod Bearing Set**
- › M34219-00500 Std.
  - › M34219-00600 0.25
  - › M34219-00700 0.50
  - › M34219-00800 0.75
- Set of 6 Pairs**

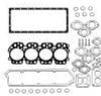


- Thrust Washer**
- › M34309-00800
- Set of 3 Pcs**

**Engine Dimensions:**  
Bore: 102.00 mm  
Stroke: 130.00 mm



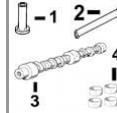
- 1) **Front Seal**
  - › M34311-00800
- 2) **Rear Seal**
  - › M34312-00080
- 3) **Crankshaft**
  - › M34320-00040



- 1) **O/H Gasket Set**
  - › M34394-20010
- 2) **Cyl Head Gsk**
  - › M34301-00203
- 3) **Rocker Cover Gasket**
  - › M34304-00701
  - › M34704-15301
- 4) **Oil Pan Gasket**
  - › M34313-04100



- 1) **Bush, Con Rod**
  - › M34319-10501 x6
- 2) **Bolt, Con Rod**
  - › ME012232 x12
- 3) **Nut, Con Rod**
  - › ME023570 x12
- 4) **Con Rod**
  - › M34319-01012 x6



- 1) **Tappet**
  - › M30605-62100 x8
- 2) **Push Rod**
  - › M34405-03100 x8
- 3) **Camshaft**
  - › M34305-00601
- 4) **Cam Bushing Kit**
  - › MS6KCBS

**Intake Valve**

- › M36704-00401 x6
  - › M34204-00200 x6
- Valve Insert**
- › M34301-01800 x6



**Exhaust Valve**

- › M36704-01601 x6
- Valve Insert**
- › M34301-01600 x6

**Intake Valve Guide**

- › M34301-02200
- Exhaust Valve Guide**
- › M34301-02300

**Valve Spring**

- › M36704-02100
- Valve Seals**
- › M30604-22801



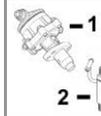
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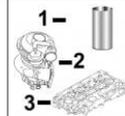
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**N843 SHIBAURA TIER 1 & 2**