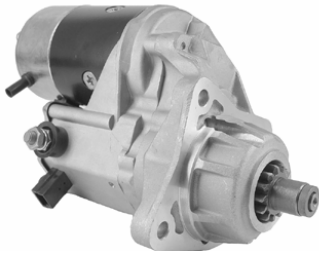


## Replacement Unit for Denso OSGR Diesel Engine-12V, 2.5kw



**17548**

**Denso OSGR**  
**12V, CW, 2.5kw, 13 Teeth**  
**Gear Size:** 39.5mm OD, 36mm OAL  
**Replace:**  
**Lester:** 17548  
**PIC:** 190-799  
**OE:** 228000-2292  
**Note:**

**No Photo**

**Available**

**18937**

**Denso OSGR**  
**12V, CW, 2.5kw, 13 Teeth**  
**Gear Size:** 39.7mm OD, 36mm OAL  
**Replace:**  
**Lester:** 18937  
**PIC:** 190-799  
**OE:** 228000-638  
**Note:**

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**2128 Pomona Blvd. Pomona, CA 91768**  
**Toll Free: 800-263-8761**

**Tel: (909) 629-2700 Fax: (909) 629-2721**  
**e-mail: [info@metroautoinc.com](mailto:info@metroautoinc.com)**  
**web: [www.metroautoinc.com](http://www.metroautoinc.com)**

## Replacement Unit for Denso OSGR Diesel Engine-12V, 2.7kw



**16990**  
**Denso OSGR**  
 12V, CW, 2.7kw, 13 Teeth  
 Gear Size: 39.2mm OD, 36mm OAL  
 Replace:  
 Lester: 16990  
 PIC: 190-801B  
 OE: 228000-1953  
 Note: **Passenger Side.**



**18506**  
**Denso OSGR**  
 12V, CW, 2.7kw, 13 Teeth  
 Gear Size: 39.2mm OD, 36mm OAL  
 Replace:  
 Lester: 18506  
 PIC: 190-825A  
 OE: 228000-3811  
 Note: **Driver Side.**



**18559**  
**Denso OSGR**  
 12V, CW, 2.7kw, 13 Teeth  
 Gear Size: 39.2mm OD, 36mm OAL  
 Replace:  
 Lester: 18559  
 PIC: 190-6102  
 OE: 428000-1600  
 Note: **DE w/Ground Stud Hole. Passenger Side.**



**18507**  
**Denso OSGR**  
 12V, CW, 2.7kw, 13 Teeth  
 Gear Size: 39.2mm OD, 36mm OAL  
 Replace:  
 Lester: 18507  
 PIC: 190-6046  
 OE: 228000-7301  
 Note: **DE w/Ground Stud Hole.**



**18503**  
**Denso OSGR**  
 12V, CW, 2.7kw, 11 Teeth  
 Gear Size: 39.7mm OD, 36mm OAL  
 Replace:  
 Lester: 18503  
 PIC: 190-467  
 OE: 428000-0310  
 Note: **DE w/Ground Stud Hole.**

**No Photo Available**

**19965**  
**Denso OSGR**  
 12V, CW, 2.7kw, 11 Teeth  
 Gear Size: 40.0mm OD, 36mm OAL  
 Replace:  
 Lester: 19965  
 PIC: 190-6355  
 OE: 428000-250  
 Note:

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## Replacement Unit for Denso OSGR Diesel Engine-12V, 4.0kw



**18997**  
**Denso OSGR**  
 12V, CW, 4.0kw, 10 Teeth  
 Gear Size: 40.3mm OD, 36mm OAL  
 Replace:  
 Lester: 18997  
 PIC: 1190-760  
 OE: 228000-7121  
 Note: **DE w/Ground Stud Hole.**



**18406**  
**Denso OSGR**  
 12V, CW, 4.0kw, 10 Teeth  
 Gear Size: 40.3mm OD, 36mm OAL  
 Replace:  
 Lester: 18406  
 PIC: 190-837  
 OE: 228000-851  
 Note: **This unit may use 5/8" mounting holes for some certain application.**



**18509**  
**Denso OSGR**  
 12V, CW, 4.0kw, 10 Teeth  
 Gear Size: 40.4mm OD, 36mm OAL  
 Replace:  
 Lester: 18509  
 PIC: 190-6043  
 OE: 428000-2690  
 Note: **Ground Stud on CE Plate. This unit looks like R5.**



**17818**  
**Denso OSGR**  
 12V, CW, 4.0kw, 13 Teeth  
 Gear Size: 39.2mm OD, 36mm OAL  
 Replace:  
 Lester: 17818  
 PIC: 190-838  
 OE: 228000-8410  
 Note:



**17802**  
**Denso OSGR**  
 12V, CW, 4.0kw, 13 Teeth  
 Gear Size: 39.2mm OD, 36mm OAL  
 Replace:  
 Lester: 17802  
 PIC: 190-839  
 OE: 228000-8420  
 Note:



**18508**  
**Denso OSGR**  
 12V, CW, 4.0kw, 10 Teeth  
 Gear Size: 40.3mm OD, 36mm OAL  
 Replace:  
 Lester: 18508  
 PIC: 190-751  
 OE: 228000-5311  
 Note: **DE w/Ground Stud Hole. Driver Side.**



**228000-6511**  
**Denso OSGR**  
 12V, CW, 4.0kw, 10 Teeth  
 Gear Size: 40.3mm OD, 36mm OAL  
 Replace:  
 Lester: same unit as 18406 & 18408  
 PIC: 190-209  
 OE: 228000-6511  
 Note: **DE w/Ground Stud Hole.**

**No Photo Available**

**18516**  
**Denso OSGR**  
 12V, CW, 4.0kw, 11 Teeth  
 Gear Size: 39.6mm OD, 36mm OAL  
 Replace:  
 Lester: 18516  
 PIC: 190-777  
 OE: 228000-626  
 Note:

**No Photo Available**

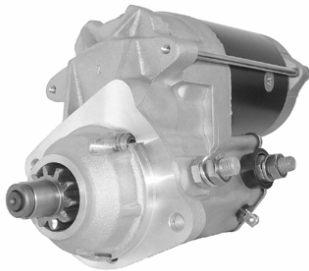


**19966**  
**Denso OSGR**  
 12V, CW, 4.0kw, 11 Teeth  
 Gear Size: 40.0mm OD  
 Replace:  
 Lester: 19966  
 PIC: 190-6356  
 OE: 428000-251  
 Note:

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# Replacement Unit for Denso OSGR Diesel Engine-12V, 4.8kw

 <p><b>18989</b>  <b>Denso OSGR</b>  <b>12V, CW, 4.8kw, 10 Teeth</b>  <b>Gear Size: 40.3mm OD, 36mm OAL</b>  <b>Replace:</b>  <b>Lester: 18989</b>  <b>PIC: 1190-6042</b>  <b>OE: 22800-5851</b>  <b>Note: DE w/Ground Stud Hole.</b></p>	 <p><b>18993</b>  <b>Denso OSGR</b>  <b>12V, CW, 4.8kw, 11 Teeth</b>  <b>Gear Size: 39.8mm OD, 36mm OAL</b>  <b>Replace:</b>  <b>Lester: 18993</b>  <b>PIC: 190-6220</b>  <b>OE: 228000-9750</b>  <b>Note: DE w/Ground Stud Hole to back. Jump Start Protection.</b></p>	 <p><b>18994</b>  <b>Denso OSGR</b>  <b>12V, CW, 4.8kw, 10 Teeth</b>  <b>Gear Size: 40.3mm OD, 36mm OAL</b>  <b>Replace:</b>  <b>Lester: 18994</b>  <b>PIC: 190-6063</b>  <b>OE: 428000-1610</b>  <b>Note: DE w/Ground Stud Hole.</b></p>
 <p><b>18517</b>  <b>Denso OSGR</b>  <b>12V, CW, 4.8kw, 10 Teeth</b>  <b>Gear Size: 40.3mm OD, 36mm OAL</b>  <b>Replace:</b>  <b>Lester: 18517</b>  <b>PIC: 190-6041</b>  <b>OE: 228000-7371</b>  <b>Note: DE w/Ground Stud Hole.</b></p>	 <p><b>19904</b>  <b>Denso OSGR</b>  <b>12V, CW, 4.8kw, 11 Teeth</b>  <b>Gear Size: 39.8mm OD, 36mm OAL</b>  <b>Replace:</b>  <b>Lester: 19904</b>  <b>PIC: 190-6465</b>  <b>OE: 428000-0070</b>  <b>Note:</b></p>	 <p><b>18554</b>  <b>Denso OSGR</b>  <b>12V, CW, 4.8kw, 11 Teeth</b>  <b>Gear Size: 40.3mm OD, 36mm OAL</b>  <b>Replace:</b>  <b>Lester: 18554</b>  <b>PIC: 190-6158</b>  <b>OE: 428000-1881</b>  <b>Note: DE w/Ground Stud Hole.</b></p>

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