

# Marine Starter Unit

## Denso, Hitachi & Mitsuba



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# Hitachi Unit



**18493**

**12V, 2.0kw, CW, 9-Tooth**

**Hitachi OSGR**

**For:** High Performance Racing

**Engine:** Buick, Chevy, Oldsmobile, Pontiac

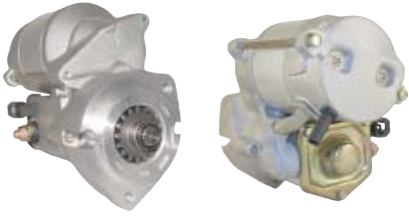
**OE:** PP106

**Lester:** 18493

**PIC:** 104-010

**Note:** Rotatable Front Housing.  
Aluminum Alloy DE Housing.

# Mitsuba Replacement



**18423\***

**12V, 1.2kw, 1.4kw, CCW, 17-Tooth  
Mitsuba OSGR, Silver Type**

**For:** Coleman Generator

**Engine:** Honda

**OE:** SM302-26, SM442-15

**Lester:** 18423

**PIC:** 191-300, 191-300A

**Note:** \*This is Denso OSGR replacement unit.

# Denso Unit



**18018**  
12V, 4.0kw, CW, 11-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere  
**Engine:** John Deere  
**OE:** 228000-653  
**Lester:** 18018

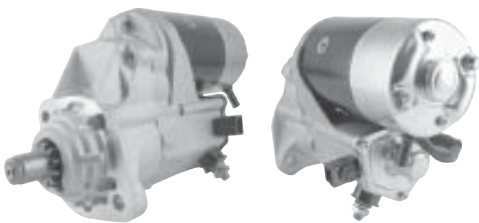
**PIC:** 190-890, 190-890A, 190-6057A  
**Note:**



**17362A**  
12V, 2.5kw, CW, 13-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere  
**Engine:** John Deere  
**OE:** 228000-647  
**Lester:** 17362A

**PIC:** 190-9006  
**Note:** For 11T version, please use 17362N.  
13T can replace to 11T.  
Also can replace to Bosch DD (Lester 17095), Delco DD (Lester 4000).



**17362**  
12V, 2.5kw, CW, 11-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere  
**Engine:** John Deere  
**OE:** 028000-840  
**Lester:** 17362

**PIC:** 190-830, 190-830A  
**Note:** For 13T version, please use 17362N-1.  
Also can replace to Bosch DD (Lester 17095), Delco DD (Lester 4000).



**18148**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Cummins, Kubota  
**OE:** 028000-614, 128000-490, 228000-106  
**Lester:** 17027, 17606, 18148

**PIC:** 190-556, 190-575, 190-587  
**Note:**

# Denso Unit



**18197**  
12V, 2.5kw, CW, 12-Tooth  
Denso OSGR, Heavy Duty

**For:** Yanmar  
**Engine:** Yanmar  
**OE:** 128000-864, 228000-161  
**Lester:** 18197, 18424

**PIC:** 190-519, 190-769  
**Note:**

**Photo  
Coming Soon**

**16650**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Waffle Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 028000-499, 028000-624, 028000-626,  
128000-017

**Lester:** 16650

**PIC:** 190-301, 190-301A, 190-301B, 190-301C, 190-306, 190-310, 190-374A, 190-374B, 190-374E

**Note:** 16645, 16650, 17368, 18144 interchangeable.

**Photo  
Coming Soon**

**16645**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Gold Case

**For:** Kubota  
**Engine:** Kubota  
**OE:** 028000-420  
**Lester:** 16645

**PIC:** 190-301, 190-301A, 190-301B, 190-301C, 190-306, 190-310, 190-374A, 190-374B, 190-374E

**Note:** 16645, 16650, 17368, 18144 interchangeable.



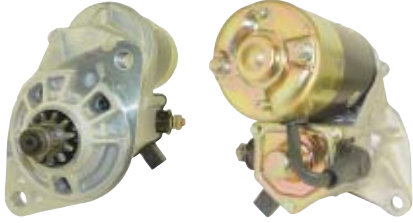
**18144**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 228000-102, 228000-108, 228000-492  
**Lester:** 18144

**PIC:** 190-301, 190-301A, 190-301B, 190-301C, 190-306, 190-310, 190-374A, 190-374B, 190-374E

**Note:** 16645, 16650, 17368, 18144 interchangeable.

# Denso Unit



**17292**  
12V, 2.5kw, CW, 11-Tooth  
Denso OSGR, Heavy Duty

**For:** Hino, Mercury  
**Engine:**  
**OE:** 028000-977, 128000-509, 128000-530  
**Lester:** 17292

**PIC:** 190-840, 190-840A, 190-840B  
**Note:**



**18566**  
12V, 4.8kw, CW, 11-Tooth  
Denso OSGR, Heavy Duty

**For:** Hino, Hohn deere, Mercury  
**Engine:**  
**OE:** 228000-808

**Lester:** 18566

**PIC:** 190-758

**Note:** This is to replace the Denso DD, 12V, 4.0kw. (Lester 16635, 17618, 18177, 18272).



**17615**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Gold Case

**For:** Catepillar  
**Engine:**  
**OE:** 128000-572  
**Lester:** 17615

**PIC:** 190-811  
**Note:**

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**17115**  
12V, 1.4kw, CW, 11-Tooth  
Denso OSGR, Gold Case

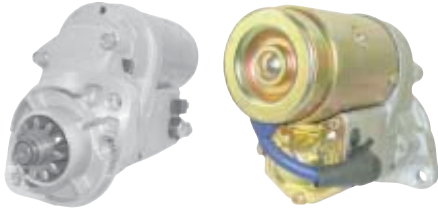
**For:** Kubota  
**Engine:** Cummins  
**OE:** 028000-625  
**Lester:** 17115

**PIC:** 190-307

**Note:** 17115, 17116, 17367, 17619, 18175 interchangeable.



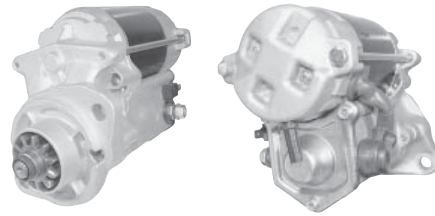
# Denso Unit



**17116**  
12V, 1.4kw, CW, 11-Tooth  
Denso OSGR, Gold Case

**For:** Kubota  
**Engine:** Cummins  
**OE:** 028000-783  
**Lester:** 17116

**PIC:** 190-302  
**Note:** 17115, 17116, 17367, 17619, 18175  
interchangeable.



**17619**  
12V, 4.8kw, CW, 11-Tooth  
Denso OSGR, Waffle Type

**For:** Kubota  
**Engine:** Cummins  
**OE:** 128000-628

**Lester:** 17619

**PIC:** 190-318  
**Note:** 17115, 17116, 17367, 17619, 18175  
interchangeable.

**Photo  
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**17367**  
12V, 1.4kw, CW, 11-Tooth  
Denso OSGR,

**For:** Kubota  
**Engine:** Cummins  
**OE:** 128000-014  
**Lester:** 17367

**PIC:** 190-313  
**Note:** 17115, 17116, 17367, 17619, 18175  
interchangeable.

**Photo  
Coming Soon**

**18175**  
12V, 1.4kw, CW, 11-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Cummins  
**OE:** 228000-107  
**Lester:** 18175

**PIC:** 190-317  
**Note:** 17115, 17116, 17367, 17619, 18175  
interchangeable.

# Denso Unit



**17028**  
12V, 1.0kw, CW, 9-Tooth  
Denso OSGR, Steel Back

**For:** Kubota  
**Engine:** Kubota  
**OE:** 028000-832, 128000-359, 128000-995,  
228000-079  
**Lester:** 17028

**PIC:** 190-316, 190-316A, 190-316B, 190-316C

**Note:** 17028, 17098, 17606, 18019, 18419 interchangeable.



**17098**  
12V, 1.2kw/1.4kw CW, 9-Tooth  
Denso OSGR, WaffleType

**For:** Kubota  
**Engine:** Kubota  
**OE:** 128000-005, 128000-905, 228000-097,  
228000-099, 228000-366, 228000-905  
**Lester:** 17098

**PIC:** 190-432, 190-560, 190-560A, 190-560B

**Note:** 17028, 17098, 17606, 18019, 18419 interchangeable.



**18419**  
12V, 1.4kw, CW, 13-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 228000-632, 428000-264, 428000-540  
**Lester:** 18419

**PIC:** 190-6128, 190-6128A, 190-6128B

**Note:** 17028, 17098, 17606, 18019, 18419 interchangeable.

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**17606**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Waffle Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 128000-490  
**Lester:** 17606

**PIC:** 190-575

**Note:** 17028, 17098, 17606, 18019, 18419 interchangeable.

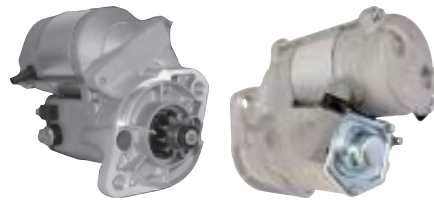
# Denso Unit



**18019**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 228000-015  
**Lester:** 18019

**PIC:** 190-583  
**Note:** 17028, 17098, 17606, 18019, 18419  
interchangeable.



**18142**  
12V, 1.4kw CW, 11-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 228000-100  
**Lester:** 18142

**PIC:** 190-578  
**Note:** 18141, 18142, 18149 interchangeable.

**Photo  
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**18141**  
12V, 1.4kw, CW, 11-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 228000-104  
**Lester:** 18141

**PIC:** 190-296  
**Note:** 18141, 18142, 18149 interchangeable.

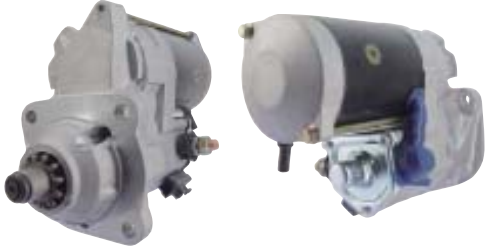
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**18149**  
12V, 1.4kw, CW, 11-Tooth  
Denso OSGR, Gold Case

**For:** Kubota  
**Engine:** Kubota  
**OE:** 128000-147  
**Lester:** 18149

**PIC:** 190-307A  
**Note:** 18141, 18142, 18149 interchangeable.

# Denso Unit



**18455**  
12V, 4.8kw, CW, 11-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere  
**Engine:** John Deere  
**OE:** 228000-655  
**Lester:** 18455

**PIC:** 190-785  
**Note:** M12 Battery Post

**Photo  
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**18204N-ND\***  
12V, 2.5kw CW, 15-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere, Yanmar  
**Engine:** John Deere, Yanmar  
**OE:** S13-41, S13-41A, S13-41B, S13-41C,  
S13-41D, S13-78  
**Lester:** 18204

**PIC:** 104-291, 104-291A  
**Note:** \*This is to replace to Hitachi OSGR  
12V, 2.5kw (Lester 18204).

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**18178**  
12V, 2.0kw, CW, 15-Tooth  
Denso OSGR, Gold Case

**For:** John Deere, Yanmar  
**Engine:** John Deere, Yanmar  
**OE:** 128000-730, 228000-711  
**Lester:** 18178

**PIC:** 190-505B, 190-505C  
**Note:**



**18019**  
12V, 1.4kw, CW, 9-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 228000-015, 228000-153  
**Lester:** 18019

**PIC:** 190-583

**Note:** 18019, 18400 interchangeable.

# Denso Unit



**18400**  
12V, 1.2kw/1.4kw, CW, 9-Tooth  
Denso OSGR, Silver Type

**For:** Kubota  
**Engine:** Kubota  
**OE:** 228000-095, 228000-098  
**Lester:** 18400

**PIC:** 190-429, 190-6106  
**Note:** 18019, 18400 interchangeable.



**17630**  
12V, 2.5kw CW, 10-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere  
**Engine:** John Deere  
**OE:** 128000-829, 428000-216  
**Lester:** 17630

**PIC:** 190-806  
**Note:** 17399, 17630 interchangeable.



**17399**  
12V, 2.5kw, CW, 10-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere  
**Engine:** John Deere  
**OE:** 128000-408, 228000-360, 428000-289  
**Lester:** 17399

**PIC:** 190-804, 190-804A, 190-804B  
**Note:** 17399, 17630 interchangeable.

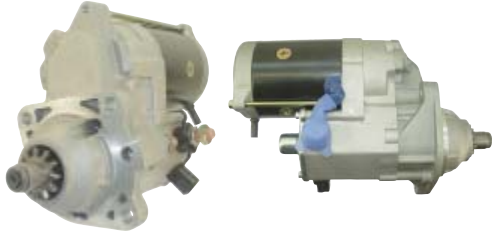
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**18326N-ND\***  
12V, 2.5kw, CW, 11-Tooth  
Denso OSGR, Heavy Duty

**For:** Yanmar  
**Engine:** Yanmar  
**OE:** S13-68, S13-68A, S13-68C, S13-86  
**Lester:** 18326

**PIC:** 140-248, 140-262  
**Note:** \*This is to replace Hitachi OSGR, 12V,  
2.5kw (Lester 18326).

# Denso Unit



**18458**  
24V, 7.8kw, CW, 11-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere Marine  
**Engine:** John Deere  
**OE:** 228000-701  
**Lester:** 18458

**PIC:** 190-6055  
**Note:**



**18560\***  
12V, 2.7kw CW, 10-Tooth  
Denso OSGR, Heavy Duty

**For:** Hyster, International Harvester, Nikko,  
Nikko Denki, also for Marine.  
**Engine:**  
**OE:** 228000-640  
**Lester:** 18560, 4196\*, 4274\*, 4569\*, 4963\*,  
6576\*

**PIC:** 140-853D\*, 140-853E\*, 140-853\*, 140-  
853A\*, 140-853F\*, 140-853J\*, 140-  
**Note:** 924\*

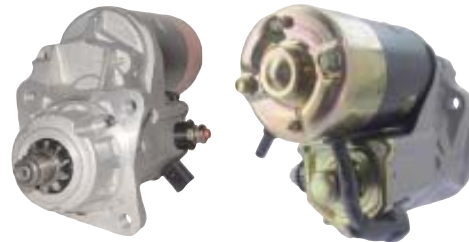
\*Also can replace to Nikko OSGR  
28MT (Lester 4196, 4274, 4569, 4963,  
6576).



**19104**  
12V, 2.7kw, CW, 10-Tooth  
Denso OSGR, Heavy Duty

**For:** Marine Application  
**Engine:** Cummins  
**OE:** 428000-292  
**Lester:** 19104

**PIC:** ]190-6225  
**Note:**



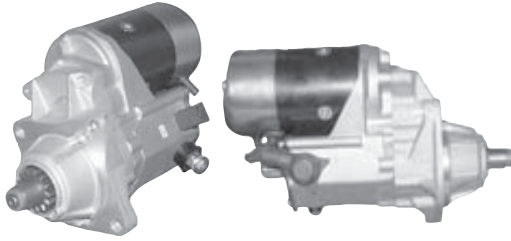
**17388\***  
12V, 2.5kw, CW, 10-Tooth  
Denso OSGR, Heavy Duty

**For:** John Deere, Nikko, Nikko Denki, West-  
erbeke  
**Engine:**  
**OE:** 128000-704  
**Lester:** 17388, 6166\*, 6572\*

**PIC:** 190-792, 140-846\*, 140-846A\*, 140-  
925\*

**Note:** \*Also can replace to Nikko OSGR  
28MT (Lester 6166, 6572).

# Denso Unit

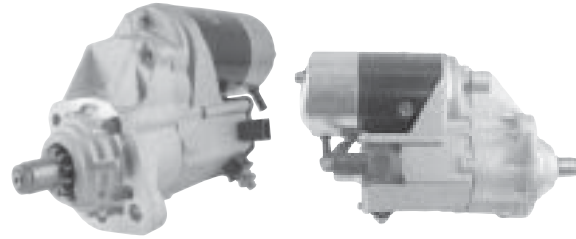


**16658**  
**12V, 2.5kw, CW, 10-Tooth**  
**Denso OSGR, Heavy Duty**

**For:** Ford, Mercury Marine  
**Engine:** Cummins  
**OE:** 028000-588  
**Lester:** 16658, 3300\*, 4391\*, 6573\*

**PIC:** 190-800

**Note:** \*Also can replace to Nikko OSGR (Lester 3300, 4391, 6573).  
 There is two type Denso can replace it:  
 16658 (12V, 2.5kw)  
 17818 (12V, 4.0kw)



**17362**  
**12V, 2.5kw CW, 11-Tooth**  
**Denso OSGR, Heavy Duty**

**For:** John Deere, Kubota, Nikko, Nikko  
 Denki  
**Engine:**  
**OE:** 028000-840  
**Lester:** 17362

**PIC:** 190-830, 190-830A

**Note:** Also can replace to Denso DD (Lester 17334).  
 Also can replace to Nikko OSGR (Lester 4000, 4960, 6570).

**Photo  
 Coming Soon**

**17818**  
**12V, 4.0kw, CW, 10-Tooth**  
**Denso OSGR, Heavy Duty**

**For:** Ford, Mercury Marine  
**Engine:** Cummins  
**OE:** 228000-841  
**Lester:** 17818, 3300\*, 4391\*, 6573\*

**PIC:** 190-838

**Note:** \*Also can replace to Nikko OSGR (Lester 3300, 4391, 6573).  
 There is two type Denso can replace it:  
 16658 (12V, 2.5kw)  
 17818 (12V, 4.0kw)



**17362A**  
**12V, 2.5kw, CW, 13-Tooth**  
**Denso OSGR, Heavy Duty**

**For:** John Deere, Kubota, Nikko, Nikko  
 Denki  
**Engine:**  
**OE:** 228000-647  
**Lester:** 17362A

**PIC:** 190-9006

**Note:** Also can replace to Denso DD (Lester 17334).  
 Also can replace to Nikko OSGR (Lester 4000, 4960, 6570).

# Denso Unit

**Photo  
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**18274**  
**12V, 1.8kw, CW, 11-Tooth**  
**Denso OSGR, Silver Type**

**For:** Nikko, Nikko Denki  
**Engine:**  
**OE:** 228000-844  
**Lester:** 18274

**PIC:** 190-754, 140-931\*  
**Note:** \*Also can replace to Nikko 28MT  
OSGR (Lester 6586).




Manufacturers and Supplier names and their part numbers are for reference use only.

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