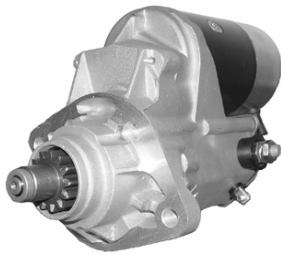


Replacement Starters for Commercial & SCHOOL BUS



169901
Denso OSGR
 12V, CW, 2.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 228000-467
 Lester: 16990
 PIC: 190-801F
 For: Bluebird, Cummins & Komatsu
 Note:



166581
Denso OSGR
 12V, CW, 2.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 028000-588
 Lester: 16658
 PIC: 190-800
 For:
 Note: Can replace to 17037 Diesel Truck



175481
Denso OSGR
 12V, CW, 2.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 228000-229
 Lester: 17548
 PIC: 190-799
 For:
 Note: We also have 11 Teeth unit available Metro# 175481-1. For 24V use 175481-24



178921
Denso OSGR
 12V, CW, 2.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 428000-119
 Lester: 17892
 PIC: 190-799A
 For: Dodge Ram Pickups
 Note:



185061
Denso OSGR
 12V, CW, 2.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 228000-381, 228000-416
 Lester: 18506
 PIC: 190-825, 190-825A
 For: Bluebird, Cummins & Thomas Built Bus
 Note: 228000-730 (18507) Later Version



185071
Denso OSGR
 12V, CW, 2.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 228000-730
 Lester: 18507
 PIC: 190-6046
 For: Bluebird, Cummins & Thomas Built Bus
 Note: 228000-381 (18506) Early Version. DE w/Ground Stud to side



166581-24
Denso OSGR
 24V, CW, 4.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace:
 Lester: 16658
 PIC:
 For:
 Note: Similar to 16658 but this is 24V.



175481-24
Denso OSGR
 24V, CW, 4.5kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace:
 Lester: 17548
 PIC:
 For:
 Note: 12V use Metro#175481.



428000-2870
Denso OSGR
 12V, CW, 2.7kw, 10 Teeth
 Pinion OD: 40.3mm
 Replace: 428000-287
 Lester:
 PIC: 190-6366
 For: Cummins
 Note: DE w/Ground Stud to side-right. Same unit as 428000-2920.

Metro Auto Industrial Inc.
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web: www.metroautoinc.com

Replacement Starters for Commercial & SCHOOL BUS



228000-4660

Denso OSGR

12V, CW, 2.7kw, 13 Teeth

Pinion OD: 39.5mm OD

Replace: 228000-466

Lester:

PIC: 190-825B

For:

Note: DE w/Ground Stud Hole.

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Replacement Denso Starters for Commercial & SCHOOL BUS



176001
Denso OSGR
 12V, CW, 3.0kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 128000-422, 228000-331,
 228000-332
 Lester: 17600
 PIC: 190-507, 190-507A
 For:
 Note:



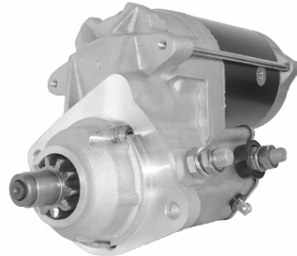
178021
Denso OSGR
 12V, CW, 4.0kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 228000-842
 Lester: 17802
 PIC: 190-839
 For:
 Note: Can replace to 6669 & 17578



185081
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 228000-531
 Lester: 18508
 PIC: 190-751
 For:
 Note: DE w/Ground Stud to side-right
[M12 Battery Post](#)



185341
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 228000-546
 Lester: 18534
 PIC: 190-6052
 For:
 Note: DE w/Ground Stud to back-left



189891
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 228000-585
 Lester: 18989
 PIC: 190-6042
 For:
 Note: [M12 Battery Post](#);
 DE w/Ground Stud to side-right
 18994 (428000-161) same unit



189971
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 228000-712
 Lester: 18997
 PIC: 190-760
 For:
 Note: [M12 Battery Post](#)
 DE w/Ground Stud to side-left



195521
Denso OSGR
 12V, CW, 3.0kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 228000-728
 Lester: 19552
 PIC: 190-507B
 For:
 Note: DE w/Ground Stud to side-right



18514
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 228000-749
 Lester: 18514
 PIC: 190-6050
 For:
 Note: [M12 Battery Post](#);
 DE w/Ground Stud to side-right



195511
Denso OSGR
 12V, CW, 3.0kw, 13 Teeth
 Pinion OD: 39.5mm
 Replace: 228000-729
 Lester: 19551
 PIC: 190-762
 For: CUMMINS, THOMAS BUILT
 BUS w/CUMMINS ISB
 Note: [M12 Battery Post](#);
 DE w/Ground Stud to side

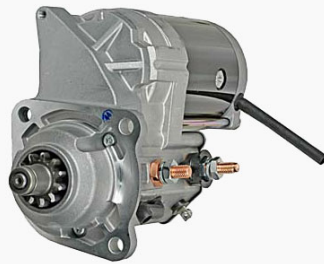
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Replacement Denso Starters for Commercial & SCHOOL



189941
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 428000-161
 Lester: 18994
 PIC: 190-6063
 For:
 Note: M12 Battery Post
 DE w/Ground Stud to side-right
 18989 (228000-585) same unit.



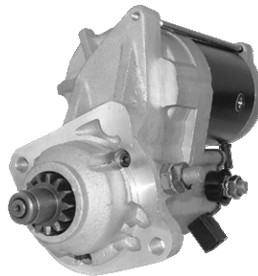
185541
Denso OSGR
 12V, CW, 4.0kw, 11 Teeth
 Pinion OD: 40mm
 Replace: 428000-188
 Lester: 18554
 PIC: 190-6158
 For:
 Note: DE w/Ground Stud to side-right



19550
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 428000-284
 Lester: 19550
 PIC: 190-6232
 For:
 Note: DE w/Ground Stud to side-left



184061
Denso OSGR
 12V, CW, 4.0kw, 10 Teeth
 Pinion OD: 40mm
 Replace: 228000-851
 Lester: 18406
 PIC: 190-837
 For:
 Note: M12 Battery Post



195521
Denso OSGR
 12V, CW, 3.0kw, 13 Teeth
 Pinion OD: 40mm
 Replace: 228000-728
 Lester: 19552
 PIC: 190-507B
 For: Cummins Engine
 Note: M10 Battery Post. DE w/Ground
 Hole to right side.

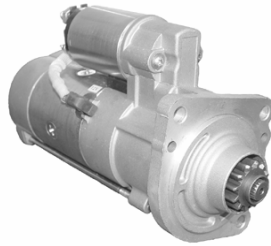
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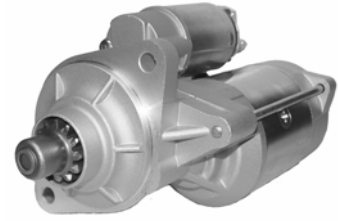
Replacement Starters for Commercial & SCHOOL BUS



170371
Mitsubishi OSGR
 12V, CW, 3.6kw, 13 Teeth
 Pinion OD:
 Replace: 1
 Lester: 17037
 PIC: 103-340
 For:
 Note: Denso 16658 can replace it.



175781
Mitsubishi OSGR
 12V, CW, 3.6kw, 12 Teeth
 Pinion OD:
 Replace: 1
 Lester: 17578
 PIC: 103-339
 For:
 Note: Denso 17802 can replace it.



66691
Ford OSGR
 12V, CW, 3.6kw, 12 Teeth
 Pinion OD:
 Replace: 1C24-11000-AA etc
 Lester: 6669
 PIC: 150-350
 For:
 Note: Denso 17802 can replace it



66701
Mitsubishi OSGR
 12V, CW, 3.6kw, 12 Teeth
 Pinion OD:
 Replace: 3C3U-11000-AB etc
 Lester: 6670
 PIC: 150-351
 For:
 Note:

**No Photo
 Available**

64691
Delco 28MT
 12V, CW, 10 Teeth
 Pinion OD: 32mm
 Replace: 10465014
 Lester: 6469
 PIC: 140-923
 For:
 Note: Also replace to 27MT

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