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# TURBOCHARGERS



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John Deere®

| Product | Engine Model or Series | Reference Numbers | Equipment Models |
|---|---|---|---|
| TRE19778 | 6.466 | SE500256, AR64626, RE16971 | JD Tractors - 4040, 4240, 4840 |
| TRE26287 | 300 SERIES | SE500272, AR71938, AR97611 | JD Tractors - 1830, 2030, 2755 |
| TRE505047 | 4045 PT | RE506802, RE508876, RE508968 | JD Loaders - 210LE, 280, 310G |
| TRE506261 | 4045T | SE502472, RE500287, RE507544 | JD Tractors - 3310X, 3410X, 6010 |
| TRE507842 | 3029T | SE502358, | Gensets and other applications |
| TRE508657 | 4.5/6.8 PT | RE508693, RE509828, RE515555 | JD Combines - 1450, 1550 JD Skidder - 640H |
| TRE509435 | 6068T | SE502333 | Gensets and other applications |
| TRE509436 | 6068T | SE502329, RE515157, RE60388 | JD Combines -1165, 1175, 1470 |
| TRE509818 | 300 SERIES/2.9/4.5/6.8 PT | RE503097, RE523366, RE508971 | Gensets and other applications |
| TRE515501 | 6068T | SE502360, RE506892, RE509506 | Gensets and other applications |
| TRE519833 | 6068T | SE502372, RE516963, RE543470 | JD Tractors - 2044M, 2204, 7195J |
| TRE531288 | 6090T | SE502374, RE529977, RE531469 | Gensets and other applications |
| TRE531324 | 3029 | RE531323, SE501678 | JD Tractors - 5045D, 5045E, 5055D |
| TRE534396 | 8.1 PT | RE508029, RE508711, RE515519 | JD Tractors - 8120, 8220, 8320 |
| TRE543657 | 4045 | RE543657 | JD Tractors - 6205J, 6210J, 6J-2054 |
| TRE548726 | 4045 PT | RE509817, RE528771, RE534651 | JD Sprayer - 120J, JD Excavator -160DLC, JD Tractor - 6100D |
| TRE548734 | 4045 | RE532282, SE502445 | JD Tractors - 5083E, 5085M, JD Loader - 410J |
| TRE550932 | 6068 | RE531335, SE502442 | JD Tractors - 1654, 1854, 2054 |
| TRE58898 | 276T, 4045T | R26391, RE26342, RE39100 | JD Loaders - 410D, 510D, 444E |
| TRE71550 | 4045 | SE502194 | JD Combines - 2254, 2256, 2258 |
| TRE508719 | 6068T | SE501669 | JD Combines - 1450, 1550S, JD Excavator 200CLC, 2054 |
| TDZ102071 | Turbocharger, 6135 | DZ102071 | Various 6135 Applications |
| TDZ102306 | Turbocharger, 6135 | DZ102306, RE553195, RE565547 | Various 6135 Applications |
| TDZ108135 | Turbocharger, 6090 | DZ108135, RE531249, RE534553, RE535705 SE502375 | Various 6090 Applications |
| TDZ114777 | Turbocharger, 6068 | DZ101175, DZ114777, RE555873 | Various 6068 Applications |
| TDZ114778 | Turbocharger, 6081, 6090 | DZ101174, DZ103291, DZ106643, DZ114778 DZ126597 | Various 6081, 6090 Applications |
| TDZ120171 | Turbocharger, 6090 | REF# DZ120171 | Various 6090 Applications |
| TDZ120173 | Turbocharger, 6081, 6090 | DZ118538, DZ120173, RE549136 | Various 6081, 6090 Applications |
| TRE509807 | Turbocharger, 6068PT | RE509807, RE509808, RE509809, RE515497 RE515733, RE60075, SE502159 | Various 608PT Applications |
| TRE534562 | Turbocharger, 6090 | DZ108118, RE523007, RE529208, RE534513 RE534562, RE536613, SE502421, SE502431 | Various 6090 Applications |
| TRE547971 | Turbocharger, 6090 | RE534931, RE544177, RE545591, RE547971 SE502591 | Various 6090 Applications |
| TRE547972 | Turbocharger, 6090 | RE547972 | Various 6090 Applications |
| TRE547973 | Turbocharger, 6090 | RE547973 | Various 6090 Applications |
| TRE547974 | Turbocharger, 6081, 6090 | RE547974 | Various 6081, 6090 Applications |
| TRE550232 | Turbocharger, 6090 | RE550232 | Various 6090 Applications |







| Product | Engine Model or Series | Reference Numbers | Equipment Models |
|---|---|---|---|
| B117-7867 | 3046 | 49179-02300, 5i-7585, 49179-02240 | Cat Excavators - 318CL, 320B, 322B |
| B173-0442 | 3034 | 317166, 139-5513, 209-6318 | Cat Skid Steers - 262, 236, 252, 277 |
| B238-9349 | 3024C/T, C2.2T | 513-6823, 10R9578, 02-634220 | Cat Skid Steers -257B, 216B, 226B |
| B219-9773 | 3054C | 148-7183, 20R4002 | Cat Backhoe Loaders - 416D, 428C, 432D |
| B279-7860 | 3066 | 233-1159 | Cat Excavators - 318C, 319C, 320D RR |
| B287-0049 | C6.4 | 49S79-02910, 49179-02910 | Cat Excavators - 323D GC, 320D L, 323D |
| B314-9972 | 3044/C3.4 | VND20162, 49189-02720, 49189-02721 | Cat Skid Steers - 259B3, 279C, 289C |
| B315-9810 | C6.6 | 10R9580, 458-8357, 569-6097 | Cat Loaders - 928H, 924K, 930K |
| B316-0477 | C4.4 | 10R-9584, 1700251328, 785828-5003 | Cat Excavators - M313D, M315D, M317D2 |
| B5I-8122 | 3064 | VND2-0020, 49189-02450, 49189-02480 | Cat Excavators - 311, 312, 314C |
| B219-9766 | 3054 | 10R-9569, 2202435, 1700251160 | Cat Telehandler - TH62, TH63, TH82 |
| B233-9534 | 3054E | 20R-0469, 500446, 711736-9025 | Cat Paver - AP-650B, AP-800D, BG-225C |
| B234-2988 | C4.4 | 711736-5001, 6911909, 2-203140 | Cat Telehandler - TH220B, TH330B, TH340B |
| B237-3786 | C4.4 | 10R-9577, 711736-0021, 711736-0020 | Cat Backhoe Loaders - 414E, 416E, 428E |
| B316-0468 | C4.4 | 10R-9583, 785827-0005, 768524-0005 | Cat Backhoe Loaders - 420E |
| B431-4572 | C7.1 | 4314572, 356-3509, 364-5955 | Cat Excavator - 320D2, 323D3 |
| B480-4349 | C2.2 | 480-4349 | Cat Track Loader - 226D3, 232D3, 239D3 |
| B5I-8018 | 3046 | 107-6338, 10R7604, 49179-02270 | Cat Excavators - 320C, 320BL, 321B |
| B118-8384 | Turbocharger, 3054 | 6I-4202, 118-8384 | Various 3054 Applications |
| B219-7618 | Turbocharger, 3054 | 219-7618, 141-6163 | Various 3054 Applications |
| B233-9534 | Turbocharger, CAT 3054CT | 233-9534 | Various 3054CT Applications |
| B235-9694 | Turbocharger, 3054E | 235-9694, 216-8685 | Various 3054E Applications |
| B316-0514 | Turbocharger, 3054 | 316-0514, 307-2804 | Various 3054 Applications |
| B436-1920 | Turbocharger, C3.3B, Tier 3/IT4 | 436-1920 | Various C3.3B, Tier 3/IT4 Applications |
| B558-6973 | Turbocharger, 3054C | 237-4734, 558-6973 | Various 3054C Applications |
| B558-6985 | Turbocharger, 3054C/E | 558-6985, 238-8746, 238-746 | Various 3054C/E Applications |
| B7C-3446 | Turbocharger, 3054 | 7C-3446 | Various 3054 Applications |



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| Product | Engine Model or Series | Reference Numbers | Equipment Models |
|---|---|---|---|
| P135756170 | N844T/LT/100SERIES(5BOLT) | SH135756171, 87772751, 87780726 | New Holland Skid Steers - L170, L175, C175 |
| P135756180 | N844T/LT/400SERIES(5BOLT) | H2389349, 13575-6180, VB420081 | New Holland Tractor - TC55DA |
| P135756252 | N4LDI(ER) | 135756250, 1704231208, VA410210 | New Holland Skid Steers - L218, SV185, L220 |
| P2674A080 | 1006.60T(YB) | 2674A080, 1700250693, 4520770004 | Gensets and other applications |
| P2674A177 | 704-30T(UC) | 19511069, 317166 | Gensets and other applications |
| P2674A200 | 1104C-44T/TA | 711736-5001, 711736-0001, 6911909 | Gensets and other applications |
| P2674A201 | 1104A/1104C | 2202490, 1700251073, 2203140 | Gensets and other applications |
| P2674A202 | 1104C-E44T | 711736-5003 | Gensets and other applications |
| P2674A209 | 1104A/C-44T(RS/RG) | 711736-5010S, 711736-0010 | Gensets and other applications |
| P2674A225 | 1104C-44T | 711736-5025S, 711736-0025, 711736-0029 | Gensets and other applications |
| P2674A226 | 1104A/C-44T | 2674A224, 2674A223, 2674A228 | Massey Ferguson Tractor - 5455 |
| P2674A256 | 1106C/D | 2674A256 | Gensets and other applications |
| P2674A371 | 1004-40T(AK/AQ) | 6670961, 2674A371, 452191-0002 | Gensets and other applications |
| P2674A382 | 1004T | 2674A323, 452264-9002, 727265-5002 | Gensets and other applications |
| P2674A391 | 1004.40T(AK) | 1700251168, 452301-0001, 727266-0003 | Gensets and other applications |
| P2674A421 | 1103C-33T(DD/DK) | 754111-5007S | Gensets and other applications |
| P2674A423 | 1103C-33T(DD/DK) | 754111-0009, 754111-0008, 8800610001 | Gensets and other applications |
| P2674A431 | 1104A-44T(RS) | 754127-5001S | Gensets and other applications |
| P2674A805 | 1104D-E44TA(NJ) | 1700251328, 768525-0003, 768525-5003 | Gensets and other applications |
| P2674A812 | 1104D-E44T(NH) | 1700252048, 768524-0005, 785827-9005 | Gensets and other applications |
| PT417571 | 1106D-E70TA | T417571 | Gensets and other applications |
| P2674A091 | 1006.60T (YH) | 452234-9006, 4222178M91, 500356 | Gensets and other applications |
| P2674A108 | T4.236 | 2674A102, 2674A105, 1447769M91 | Massey Ferguson Tractor - 698, 393, 398, 3065, 3070 |
| P2674A110 | T6.354 | 2674407, 2674A109 | Gensets and other applications |
| P2674A153 | 1004-4T | 2674A160, 2674A168 | Gensets and other applications |
| P2674A202 | 1104C-44TA | 2674A201, 711736-5003S, 7117362 | Gensets and other applications |
| P2674A211 | 1104C-44TA (RJ) | 711736-5012S, 711736-0012, 71173612 | Gensets and other applications |
| P2674A223 | 1104C-E44TA (RK) | 711736-5023S, 711736-0023, 711736-5023 | Gensets and other applications |
| P2674A301 | 1004 (AB/AH) | 466674-5006S, 466674-0004, 465778-0006 | Gensets and other applications |
| P2674A335 | 1106 (YD/YH) | 452234-5006S, 452234-5006 | Gensets and other applications |
| P2674A342 | 1106C (VK) | 500444, 709942-0001, 709942-0006 | Gensets and other applications |
| P2674A373 | 1004 (AM) | 727264-5003S, 4521910003, 727264-0003 | Gensets and other applications |
| P2674A392 | 1004 (AM) | 727266-5002S, 727266-0002, 727266-5002 | Gensets and other applications |
| P2674A397 | C4.236 (LH) | 2674A397 | Gensets and other applications |
| P2674A404 | 1104C-44TA | 879657-5001S, 738233-0002, 738233-5002 | Gensets and other applications |
| P2674A432 | 1104A-44T | T432652, 707914A1, 4224814M91 | Gensets and other applications |
| P2674A807 | 1104D (NJ) | 785828-5002S, 785828-0002, 785828-5002 | Gensets and other applications |
| P2674A808 | 1104D (NJ) | 785828-5004S, 785828-0004, 768525-5009S | Gensets and other applications |
| P2674A827 | 1104D (NL/NM) | 785827-5025S, 785827-5025, 785827-0025 | Gensets and other applications |
| P2674A835 | 1104D (NJ) | 785827-5006S, 785827-0006, 785827-5006 | Gensets and other applications |
| P2674A845 | 1104D (NL) | 785827-5023S, 785827-0023, 785827-5023 | Gensets and other applications |

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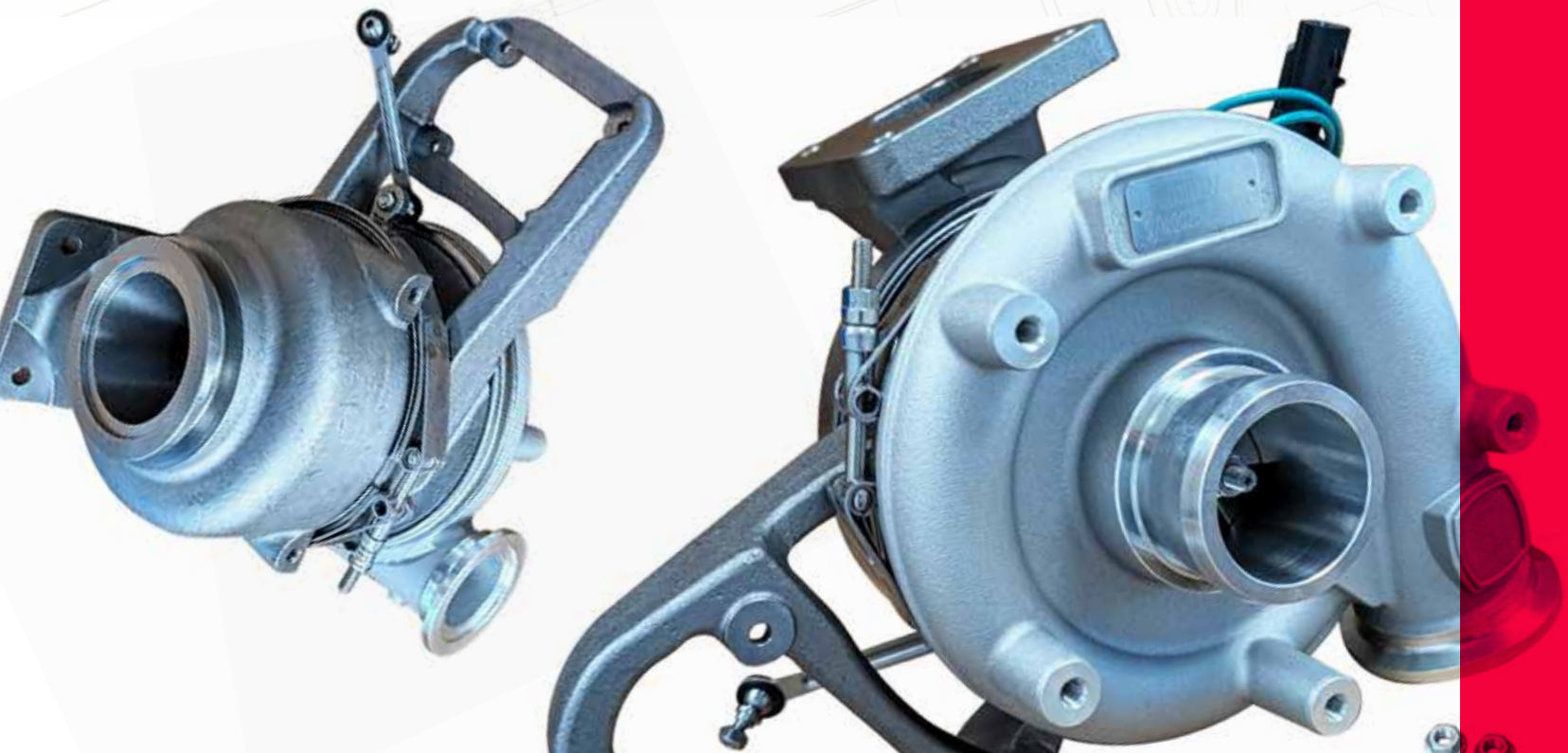
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|---|---|---|---|
| Y123945-18010 | 4TNV106T | VA430094, VB430094 | Komatsu Loader Backhoes - WB150, Yanmar Marine Applications |
| Y129935-18010 | 4TNV98T | VD430095, 129935-18011 | Komatsu Skid Steers - CK35-1, CK30-1 |
| Y123981-18021 | 4TNV106T | VC430063, 123981-18020 | Gensets and other applications |

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| Product | Engine Model or Series | Reference Numbers | Equipment Models |
|---|---|---|---|
| C2882075 | 07-12 DODGE 6.7 ISB (HE351VE) | 3768087, 3768088, 2834229 | Dodge Pickups |
| C3536309 | 6CTA | 3536310, 1700320135, J535617 | Case/IH Tractors -7150, 7250 |
| C3537132 | 6BT / 4BT | 3802770, 3537136, 4033173 | Case/IH Tractors - MX100, MX110, MX170 |
| C3590348 | QSC 8.3 | 3596415, 3800426, 4044185 | Case/IH Tractors - MX240, MX255, STX325 |
| C3787604 | 13-18 DODGE 6.7 ISB (HE300VG) | 3775426, 3779988, 1700321684 | Dodge Pickups |
| C3802289 | 6BT | 3802115, 166592, 170-032-1606 | Gensets and other applications |
| C3802290 | 4BT | 3522900, 3528743, 171270 | Case/IH Tractors -5120, 5220 Case/IH Loaders - 580SK, 580L |
| C3802303 | 6CT | 3596988, 3530716, 3535456 | Case/IH Tractors -7120, 7130, 9130 |
| C3802651 | 6CT | 1700320136, 3535635, J802824 | Case/IH Tractors -7220, 8930, 9310 |
| C3802906 | 4BTA | 3592121, J802906, 3592122 | Case/IH Tractors - CX130, CX160, 9010B |
| C4089797 | 04-07 DODGE 5.9 ISB (HE351CW) | 3770033, 4036836, 4037001 | Dodge Pickups |

FPT®

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|---|---|---|---|
| F3599350 | Turbocharger, NEF 4.5 | 1700320414, 170-032-0414, 2852068 2852068R, 3599350, 3599351, 4033163, 4033163H, 4042194, 504061374, 504061374R, 3787080, 378708000 | Various NEF 4.5 Applications |
| F3599879 | Turbocharger, NEF 4.5 | 1700320415, 170-032-0415, 2835000 2835001, 2835002, 2852507, 2852507R 2857052, 3599879, 3599880, 40009987 4033587, 4033587H, 4042193, 504043175 504043175R, 504311091 | Various NEF 4.5 Applications |
| F4045275 | Turbocharger, NEF 4.5 | 1700320985, 170-032-0985, 2855798 2855798R, 4033079, 4033079H, 4045275 4045276, 504173695, 504173695R | Various NEF 4.5 Applications |
| F5801621763 | Turbocharger, Cursor 9, Tier 4 | 5801621763, 5802200764, 811223-0006 5801621763R, 5802200764R 5802743517, 895368, 8953680004 | Various Cursor 9, Tier 4 Applications |



## Kubota®

| Product | Engine Model or Series | Reference Numbers | Equipment Models |
|---|---|---|---|
| K16292-17016 | D1105T/ V1505T | 16292-17010, 16292-17011, 49373-01100 | Bobcat Backhoe Loader - B100, B250, Ditch Witch Skid Steer - SK650, XT855 |
| K1E153-17015 | 3800DIT | 7017202, 49189-00940, 1E153-17010 | Bobcat Skid Steer - S250 |
| K1G622-17016 | V2003T IDI | 6675676, 49131-02020, 1E013-17012 | Bobcat Skid Steers -S150, S160, S175 |
| K1G923-17013 | V2003-M-DI-T | 7020837, VA410099, 7020837 | Bobcat Skid Steers - S185, T180, T190 |
| K1G924-17012 | V2403-M-DI-T | VD410096, 6686048, 1G924-17010 | Bobcat Skid Steers - S205, T180, T190 |
| K1G574-17016 | V3800-CR-T | 1G544-17010, 1G544-17012, 1G544-17014 | Kubota Tractors - M105XDTC, M8540, M9540 |
| K1J500-17014 | V3800-CR-T | 1J500-17010, 1J500-17012, 1J500-17013 | Bobcat Loaders - A770, S750, S770 |
| K1J700-17012 | V2607-DI | 1J700-17011, 700677, 7020831 | Bobcat Skid Steer, S160, S185, S205 |
| K1J752-17015 | V3307-DIT | 1J752-17010, 1J752-17012, 1J752-017014 | Kubota Tractors - M6040DTC-1, M7040DTC-1, Kubota Loader - SVL75 |
| K1J773-170137 | V3307 CRT | 1J773-17010, 1J773-17012, 1J773-17013 | Kubota Excavators - KX080-4, Kubota Tractors - M6060HD, M7060HD |

## Doosan®

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|---|---|---|---|
| H7030304 | Turbocharger, D24 | Turbocharger, D24 | Various D24 Applications |

## Mitsubishi®

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|---|---|---|---|
| M49179-02300 | Turbocharger, S6K | 49179-02380 | Various S6K Applications |
| M49189-02450 | Turbocharger, S4KT | 49189-02450 | Various S4KT Applications |



# TURBOCHARGER INSTALLATION GUIDE



**Evaluate and determine why the turbocharger is being replaced.Inspect all engine components and ensure all past issues have been rectified before installing a new turbocharger.**

## 1 PRE-INSTALLATION CHECK:

- Carefully inspect and remove any dirt, dust or any other debris from the air cleaner duct. Foreign objects canseverely damage the turbocharger during engine start up.
- Thoroughly clean gasket surfaces. Do not use silicone or other liquid sealer, replace old gaskets with new.
- Ensure oil supply and drain lines are clear from blockages or restrictions.
- Inspect air filters conditions and replace if necessary. It is recommended to perform a complete oil change, including replacing oil filters.

## 2 INSTALLATION:

- Attach the turbocharger on the exhaust manifold flange.
- Ensure oil drain is in correct position to attach oil drain and oil supply lines. If re-alignment is required loosen the Bolts or V-band securing the Turbine housing, then rotate the bearing housing to the required position, re-torque Bolts or V-band. Repeat the same steps on the compressor housing if needed.
- Pre-lube turbocharger by pouring a small amount of clean oil on the oil supply port, rotate the shaft slowly by hand.
- Fit oil supply line and drain line with the correct new gasket.
- Connect compressor side air cleaner ducts.
  Ensure oil supply line, fasteners and clamps are torqued according to OEM specifications.

**TROUBLESHOOTING:**

- Turbo issues are often a symptom of an underlying problem rather than the cause itself. Check all enginecomponents before replacing the turbocharger.
- Engine oil changes, air and oil filter replacements along with oil pressure control are key for a long turbocharger service life avoiding premature failures.

**FAILURE TO FOLLOW THESE INSTRUCTIONS MIGHT RESULT IN A TURBOCHARGER FAILURE**

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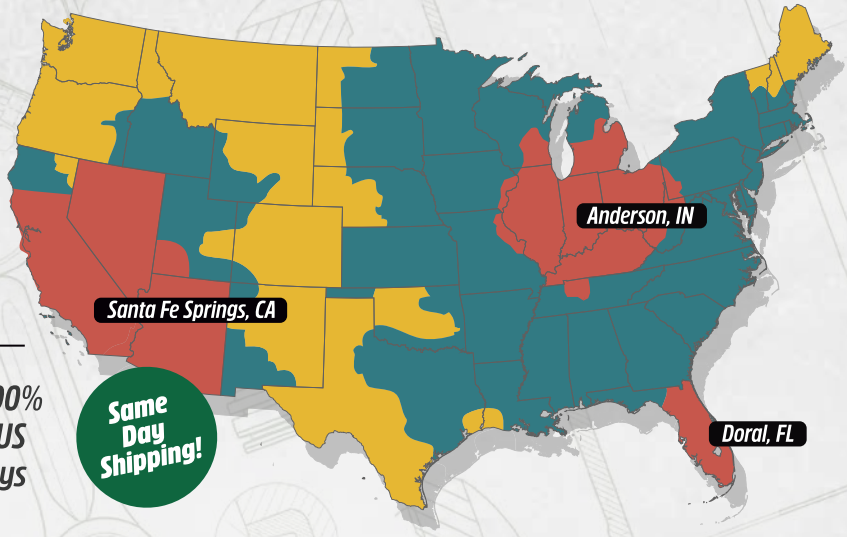
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| **Shibaura®** | | N4LDI I N843 I N843L I N844 I N844L I N844L-D I N844L-F I N844LT I N844LT-D I N844LT-F N844LTA-D I N844T |
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