

**Marinising & power boosting parts for turbocharged engines & turbocharging**

**parts for normally aspirated engines**

**ENGINE BUILDER PRICES £**

| Part No. | BASIC ENGINE             | FORD TRANSIT      |                 | NEW TRANSIT  |              | FORD ESCORT   |           | IZUSU TROOPER | Part No. | PEUGEOT |            | FORD D SERIES |                       | FORD CARGO | PERKINS PHASER        |      | PERKINS T6-354 |
|----------|--------------------------|-------------------|-----------------|--------------|--------------|---------------|-----------|---------------|----------|---------|------------|---------------|-----------------------|------------|-----------------------|------|----------------|
|          |                          | STD/ELEC FSD/FSDT | ELECTRONIC FSDT | PUMA 2.0-2.4 | ESCORT 1800T | ESCORT 1800TI | XUDT 1900 |               |          | XDT 2.5 | 6-CYLINDER | 6-CYL         | 4 CYLINDER NON X-FLOW |            | 6 CYLINDER NON X-FLOW |      |                |
|          | FINAL POWER OUTPUT H.P.  | 95-100            | 125             | 120-125      | 75           | 92            | 271       | 2.8           |          | 1900    | 105-120    | 145           | 180                   | 6-CYL      | 100                   | 150  | 145            |
|          | TURBO BOOST PRESSURE lbs | 12                | 16              | 12-16        | 15           | 15            | 15        | 2.8           |          | 93      | 105-120    | 10            | 15                    | 12         | 12                    | 12   | 10             |
|          | MAXIMUM R.P.M            | 4000              | 4000            | 3900         | 4500         | 4500          | 4500      | 2.8           |          | 4300    | 4000       | 2500          | 2450                  | 2600       | 2500                  | 2500 | 2500           |
|          | #                        | 24                | 44              | 26           | 14           | 46            | 48        | 2.8           |          | 43      | 45         | 77 e          | 78 e                  | 91 e       | 107                   | 100  | 55             |

| <b>BASIC MARINISING COMPONENTS</b>               |           |          |          |          |          |          |   |   |     |          |          |          |          |          |          |          |          |
|--|-----------|----------|----------|----------|----------|----------|---|---|-----|----------|----------|----------|----------|----------|----------|----------|----------|
|  | £         | £        | £        | £        | £        | £        | £ | £ | £   | £        | £        | £        | £        | £        | £        | £        | £        |
| 02 Oil cooler, filter mounts & connections       | 139/-     | —        | —        | f        | —        | —        | — | — | 02  | —        | 99       | 278 j    | 278 j    | 180 l    | —        | —        | 351 j    |
| 03 Jabsco water pump, mount and drive            | 297       | 402      | 267      | 266      | 266      | 269      | — | — | 03  | 269      | 248 m    | 263 a    | 263 a    | 344      | 455 q    | 455 q    | 248 a    |
| 04 Heat exchanger, header tank                   | —         | —        | 340      | 271      | 271      | —        | — | — | 04  | 271      | —        | —        | 708      | —        | —        | —        | —        |
| Bowman part no.                                  | —         | —        | EH280    | EH200 v  | EH200 v  | —        | — | — | —   | EH200    | —        | —        | FH420    | —        | —        | —        | —        |
| 01 Exhaust manifold                              | —         | —        | 370      | —        | —        | —        | — | — | 01  | —        | —        | —        | 905      | —        | —        | —        | —        |
| 05 Manifold/header tank/heat exchanger           | 479       | 479      | —        | —        | —        | 422      | — | — | 05  | —        | 869 w    | 1059     | —        | 958      | 643      | 862      | 844      |
| Bowman part no.                                  | FM242     | FM242    | —        | —        | —        | I2277    | — | — | —   | PG210    | FM660    | —        | FM662    | PE390    | PE1006   | PE580    |          |
| 06 Turbocharger outlet & water connection (size) | 244 (3")  | 229 (3") | 239 (3") | 291 (3") | 270 (3") | 200 (3") | — | — | 06  | 228 (3") | 175 (3") | 223 (3") | 303 (4") | 303 (4") | 235 (4") | 235 (4") | 314 (4") |
| 07 Hose & connection kit (inlet size mm)         | 227 (28)  | 276 (28) | 271 (28) | 119 (28) | 195 (28) | 129 (28) | — | — | 07  | 403 (28) | 336 (28) | 184 (28) | 241 (28) | 350 (28) | 146 (28) | 146 (28) | 174 (28) |
| 08 Heat exchanger mount bracket                  | —         | —        | 126      | 126      | 126      | —        | — | — | 08  | —        | —        | 14       | N/A      | 14       | 110      | N/A      | N/A      |
| 09 Hose clip kit                                 | 42        | 46       | 96       | 33       | 47       | 65       | — | — | 09  | 45       | 79       | 58       | 95       | 64       | 47       | 54       | 60       |
| IND Marinising kit using the above components    | 1428/1289 | 1432     | 1583     | 1073     | 1175     | 1065     | — | — | IND | 1216     | 1806     | 2079     | 2793 u   | 2213     | 1646     | 1752 u   | 1991 u   |

| <b>OTHER COMPONENTS</b>  |         |      |        |       |       |      |   |   |       |       |      |      |        |      |            |            |            |
|--|---------|------|--------|-------|-------|------|---|---|-------|-------|------|------|--------|------|------------|------------|------------|
| 21 Turbocharger heat shield  | 81      | 81   | 75     | 129 z | 97 z  | 81   | — | — | 21    | 91 z  | 81   | 112  | 112    | 112  | 112        | 112        | 112        |
| 22 Charge air cooler   | —       | 462  | 318    | —     | 318   | —    | — | — | 22    | 318   | —    | —    | 636    | —    | —          | —          | —          |
| Bowman part no.  | —       | 4052 | EC140  | —     | EC140 | —    | — | — | —     | EC140 | —    | —    | 2934-3 | —    | —          | —          | —          |
| 23 Charge air cooler mount   | —       | 63   | —      | —     | 65    | —    | — | — | 23    | 59    | —    | —    | 157    | —    | —          | —          | —          |
| 24 Air ducts & hoses   | 283     | 123  | 315    | —     | 327   | 38   | — | — | 24    | 140   | 222  | 117  | 266    | 69   | 62         | 62         | 181        |
| 25 Inlet manifold  | —       | —    | —      | —     | —     | —    | — | — | 25    | —     | —    | 211  | 190    | 221  | 247 (Mod.) | 247 (Mod.) | 247 (Mod.) |
| 26 Turbocharger Modification kit   | —       | 775  | 775    | —     | —     | —    | — | — | 26    | —     | —    | —    | 224    | —    | —          | —          | —          |
| 27 Manifold to turbocharger adaptor  | 66      | 81   | —      | —     | —     | 50   | — | — | 27    | —     | 51   | 184  | —      | 198  | 210        | 211        | 210        |
| 28 Turbocharger feed & drain pipes & hoses   | 69      | 82   | 107    | —     | —     | 39   | — | — | 28    | —     | 66   | 63   | 68     | 82   | 62         | 62         | 61         |
| 29 Modification parts for injection pump and injectors with injection pipes and modification of pistons, as required | 234/ g  | 70 g | — g    | —     | —     | —    | — | — | 29    | —     | —    | —    | — t    | — t  | —          | —          | —          |
| A Total additional kit using the above components  | 733/499 | 1737 | 1590   | 129   | 807   | 208  | — | — | A     | 608   | 420  | 687  | 1653   | 682  | 693        | 694        | 811 uv     |
| I+A Total parts needed for turbo base engine   | -/1788  | 3169 | 3173 k | 1202  | 1982  | 1273 | — | — | I + A | 1824  | 2226 | 2766 | 4446   | 2895 | 2339       | 2446       | 2802 u     |
| 16 Turbocharger, air cooled  | 845/ -  | —    | —      | —     | —     | —    | — | — | 16    | —     | —    | 848  | 657    | 848  | —          | —          | 848        |
| 17 Alteration to 'IND' and 'A' to use turbo 16   | 130/ -  | —    | —      | —     | —     | —    | — | — | 17    | —     | —    | 93   | 93     | 24   | —          | —          | 109        |
| I+A+T Total parts needed if using Part Nos. 15 or 16 (v)   | 3136/ - | —    | —      | —     | —     | —    | — | — | I+A+T | —     | —    | 3707 | 5196   | 3767 | —          | —          | 3759 u     |

| <b>FLYWHEEL CONNECTIONS, BELL HOUSING &amp; REAR MOUNT BRACKETS, AS REQUIRED</b> |     |     |     |       |       |     |   |   |    |       |     |       |       |       |         |         |       |
|--|-----|-----|-----|-------|-------|-----|---|---|----|-------|-----|-------|-------|-------|---------|---------|-------|
| 18 for Borg Warner, Paragon, SternPowr & ZF 45A - 80                             | 354 | 354 | 426 | 321 r | 341 r | 525 | — | — | 18 | 462 b | 403 | 462 c | 462 c | 462 c | 419 d p | 505 d p | 717 x |
| 20 for PRM 500/750 (PRM 260 on Transit, Escort & Peugeot)                        | 343 | 343 | 488 | —     | —     | —   | — | — | 20 | —     | 398 | 474 c | 474 c | 474 c | 461 d p | 461 d p | 623 x |
| 31 for PRM 1000  | —   | —   | —   | —     | —     | —   | — | — | 31 | —     | —   | 476 c | 476 c | 464 c | 492 d p | 492 d p | 633 x |
| 32 for ZF 220 & 280  | —   | —   | —   | —     | —     | —   | — | — | 32 | —     | —   | 661 c | 661 c | 661 c | —       | 0 d p   | —     |

| <b>OTHER COMPONENTS</b>                                |     |     |     |     |     |     |   |   |    |       |     |       |       |       |     |     |     |
|--|-----|-----|-----|-----|-----|-----|---|---|----|-------|-----|-------|-------|-------|-----|-----|-----|
| 38 Front mounted brackets & front & rear mount rubbers | 224 | 224 | 198 | 173 | 173 | 148 | — | — | 38 | 345 n | 210 | 261 n | 261 n | 409 n | 276 | 276 | 276 |
| 39 Air intake strainer                                 | 52  | 40  | 61  | 69  | 48  | 40  | — | — | 39 | 42    | 44  | 57    | 39    | 69    | 69  | 69  | 57  |
| 35 Built in Bilge/Wash down pump, fitted to 03         | —   | —   | —   | —   | —   | —   | — | — | 35 | —     | —   | 126   | 126   | 126   | —   | —   | —   |

**EXCHANGE TURBOCHARGERS AVAILABLE FOR A WIDE RANGE OF MARINE, AUTOMOTIVE AND INDUSTRIAL APPLICATIONS**

- NOTES**
- a Use exhauster/booster drive components, £80 if required.
  - b Fit to flywheel £22.
  - c If heavy flywheel £24 extra. If for 4:1 reduction £35 extra.
  - d Mount bracket not included.
  - e Requires modification of original truck sump and pick up £200 or requires change of water pump if originally an upright engine £69
  - f Oil filter/cooler remote mounting kit £189
  - g Modify harness of electronic engine or change fuel pump P.O.A. Computer and harness for common-rail Puma P.O.A.
  - j Includes replacement "Spin-on" oil filter assembly.
  - k On ex-vehicle engines, replacement of alternator, mount & drive belt also required
  - l Remounts original truck oil cooler
  - m May require use of components from fan hub or pulley modification.
  - n Includes alternator re-mountings parts.
  - p Requires SAE 3 housing.
  - q For 4" dia. aperture, price as # 104 (Cummins).
  - r not for P100 starter
  - t Pump and injectors require modification on non-turbo base.
  - u Partial kit only.
  - v requires vacuum pump blanking plate £61.
  - w Includes intake manifold. Alternator may require moving.
  - x If SAE 3 housing is already fitted, use parts from engines # 107 and # 100.
  - z Jacket also encloses original exhaust manifold.

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- SUITABILITY NOTE**
- Lancing Marine components are designed to fit the most popular form of the designated engine known to us. If components are found to be incompatible with a particular variant, every effort will be made to produce a suitable component at as close as possible to the quoted price. If this proves impossible, then we will refund the original cost of the goods. Particular care should be taken with Perkins engines as often over 50 variations exist of a single model. Good photographs submitted with orders will assist selection of the most appropriate components.
- TURBOCHARGED ENGINE WARNING**
- The use of turbochargers on marine engines imposes considerable strains which can be sustained only if the basic motor is in first class condition and is operated with all due care and consideration.
- ADVICE**
- Advice given on all products relates only to the suitability of our components for use in a particular system. We cannot undertake overall installation design work. Recommendations are made in good faith, based only on the information given to us at the time, and should not be taken as a guarantee of actual performance. Any contract entered into with Lancing Marine is subject to our terms and conditions, available on request.
- OLD STYLE ORIGINAL PERKINS T6-354 AND HT6-354**
- See page 16