

Engine Series:
Shibaura

Engine Model:
N843

Engine Desc:
NATURALLY ASPIRATED

Engine Info:
3 Cyl

Engine Dimensions:
Bore: 3.3 in / 84.00 mm
Stroke: 3.5 in / 90.00 mm
Displacement:
91 in3 / 1.496 Lt
Compression Ratio:
22.5:1

New-Holland

L140 - Skid Steer
LS465 - Skid Steer
TC30 - Tractor
TC33 - Tractor

Case IH

D33 - Tractor
DX33 - Tractor

Shibaura Tractors

CM314
ST330
SG280
ST333

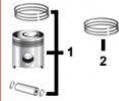


1) Engine O/H Kit

- POK316 Std.
- POK317 0.50

2) Basic Engine Kit

- PBK316 Std.
- PBK317 0.50
- Spec Sheet - 400C Series



1) Piston & Ring Kit

- P115017541 Std.
- P115017541B 0.50

3 Per Engine

2) Ring Set

- P115107970 Std.
- P115107970B 0.50



Main Bearing Set

- P198586050 Std.
- P198586054 0.010
- P198586057 0.020

Set of 3 Pairs



Con Rod Bearing Set

- P198586080 Std.
- P198586084 0.010
- P198586087 0.020

Set of 3 Pairs



1) Thrust Washer

- P199266200 x2

2) Crank Bushing

- P198517222 Std.
- P198517226 0.010
- P198517229 0.020



1) Front Seal

- P198636160

2) Rear Seal

- P198636170

3) Crankshaft

- P115256950

4) Crankshaft Gear

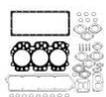
- PU15276270

5) Key, Crank Gear

- P030509020

6) Flywheel Ring Gear

- P115376040 109T
- PU15376160 126T



1) O/H Gasket Set

- PU5LC0018

2) Cyl Head Gsk

- P111147501

3) Seal Rocker Box

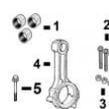
- P120996140

4) Seal, Cyl HD Cov

- P111996410

5) Oil Pan Gasket

- P110996910



1) Bush, Con Rod

- P198517265 x3

2) Bolt, Con Rod

- P115176140 x6

3) Nut, Con Rod

- P020109120 x6

4) Connecting Rod

- P115026251

5) Head Bolt

- P111136480 x11
- P111136490 x3



1) Tappet

- P120116160

2) Seal, Intk Valve

- P120406070 x3

3) Seal, Exh Valve

- P120406050 x3

Valve Train Kit

- PVTK308

1) Valve, Intake

2) Valve, Exhaust

- 1) P120166350 x3
- 2) P120176360 x3

3) Spring, Valve

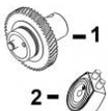
- P198217470 x6

4) Retainer, Valve Spring

- P120186080 x6

5) Lock, Valve

- P120226070 x12



1) Oil Pump

- PU5MK8266

2) Oil Cooler

- P2486A218



1) Lift Pump

- P130506351

2) Thermostat

- P145206182

3) Atomiser

- P131406490



1) Water Pump

- P145017951

2) Gasket, W Pump

- P145996921



Repair Sleeve

- 84RS

(1): Use with HL and HLC Builds.

(2): Not included in valve train kit.

(3): If 2 bolt auxiliary drive timing cover gasket is needed, also sell P165996630, with the gasket set PU5LC0018.

(4): Not compatible with engines that have a crank driven balancer unit.

Engine Series:
Shibaura

Engine Model:
N843L

Engine Desc:
NATURALLY ASPIRATED

Engine Info:
3 Cyl

Engine Dimensions:
Bore: 3.3 in / 84.00 mm
Stroke: 3.9 in / 100.00 mm
Displacement: 101.4 in3 / 1.662 Lt
Compression Ratio: 22.5:1

Case IH

D35 - Tractor
DX35 - Tractor

Boomer

2035 - Tractor

New Holland

TC35DA - Tractor
TC35A - Tractor
TC34DA - Tractor
T1520 - Tractor
TC35D - Tractor
TC35 - Tractor
T2220 - Tractor

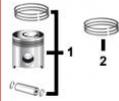


1) Engine O/H Kit

- POK318 Std.
- POK319 0.50

2) Basic Engine Kit

- PBK318 Std.
- PBK319 0.50
- Spec Sheet - 400C Series



1) Piston & Ring Kit

- P115017491 Std.
- P115017491B 0.50

3 Per Engine

2) Ring Set

- P115107970 Std.
- P115107970B 0.50



Main Bearing Set

- P198586050 Std.
- P198586054 0.010
- P198586057 0.020

Set of 3 Pairs



Con Rod Bearing Set

- P198586080 Std.
- P198586084 0.010
- P198586087 0.020

Set of 3 Pairs

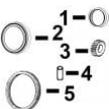


1) Thrust Washer

- P199266200 x2

2) Crank Bushing

- P198517222 Std.
- P198517226 0.010
- P198517229 0.020



1) Front Seal

- P198636160

2) Rear Seal

- P050209083

3) Crankshaft Gear

- PU15276270

4) Key, Crank Gear

- P030509020

5) Flywheel Ring Gear

- P115376040 109T
- PU15376160 126T



1) O/H Gasket Set

- PU5LC0018

2) Cyl Head Gsk

- P111147501

3) Seal Rocker Box

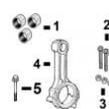
- P120996140

4) Seal, Cyl HD Cov

- P111996410

5) Oil Pan Gasket

- P110996910



1) Bush, Con Rod

- P198517265 x3

2) Bolt, Con Rod

- P115176140 x6

3) Nut, Con Rod

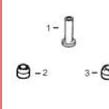
- P020109120 x6

4) Connecting Rod

- P115026330

5) Head Bolt

- P111136480 x11
- P111136490 x3



1) Tappet

- P120116160

2) Seal, Intk Valve

- P120406070 x3

3) Seal, Exh Valve

- P120406050 x3

Valve Train Kit

- PVTK309

1) Valve, Intake

2) Valve, Exhaust

- 1) P120166350 x3
- 2) P120176360 x3

3) Spring, Valve

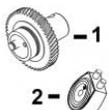
- P198216700 x6

4) Retainer, Valve Spring

- P120186080 x6

5) Lock, Valve

- P120226070 x12



1) Oil Pump

- PU5MK8266
- PU5MK8267

2) Oil Cooler

- P2486A218



1) Lift Pump

- P130506351

2) Thermostat

- P145206182
- P145206230

3) Atomiser

- P131406490



1) Water Pump

- P145017951
- PU45010062

2) Gasket, W Pump

- P145996921



Repair Sleeve

- 84RS

(1): Use with GS Build, 403D-17 Engine.

(3): Under development, not included in Valve Train Kit.

(2): Depending on the serial number or production date, the TC35, TC35D, D35, & DX35 may require additional manifold gaskets not offered in PU5LC0018

(4): If 2 bolt auxiliary drive timing cover gasket is needed, also sell P165996630, with the gasket set PU5LC0018.

Engine Series: Shibaura **Engine Model:** N844 **Engine Desc:** NATURALLY ASPIRATED **Engine Data:** INDIRECT INJECTION **Engine Info:** 4 Cyl

Engine Dimensions:
 Bore: 3.3 in / 84.00 mm Stroke: 3.54 in / 90.00 mm Displacement: 121.7 in3 / 2.0 Lt Compression Ratio: 22.5:1

Case IH

Farmall 40 - Tractor
 D40 - Tractor

DX40 - Tractor

New Holland

L160 - Skid Steer
 L213 - Skid Steer
 LX565 - Skid Steer

T2310 - Tractor
 TC40A - Tractor
 TC40DA - Tractor

LS160 - Skid Steer
 L565 - Skid Steer
 1920, from MSN 43784 - Tractor
 TC40 - Tractor
 TC40D - Tractor
 Boomer 3040 - Tractor

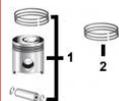


1) Engine O/H Kit

- POK844 Std.
- POK845 0.50

2) Basic Engine Kit

- PBK844 Std.
- PBK845 0.50
- Spec Sheet - 400C Series



1) Piston & Ring Kit

- P115017541 Std.
- P115017541B 0.50

4 Per Engine

2) Ring Set

- P115107970 Std.
- P115107970B 0.50



Main Bearing Set

- P198586140 Std.
- P198586150 0.010
- P198586160 0.020

Set of 4 Pairs



Con Rod Bearing Set

- PU5ME0011 Std.
- PU5ME0011A 0.010
- PU5ME0011B 0.020

Set of 4 Pairs



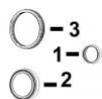
1) Thrust Washer

- P199266200/10

Set of 3 Pcs

2) Crank Bushing

- P198517222 Std.
- P198517226 0.010
- P198517229 0.020



1) Front Seal

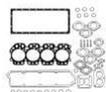
- P198636160

2) Rear Seal

- P198636170

3) Flywheel Ring Gear

- P115376040 109T
- PU15376160 126T



1) O/H Gasket Set

- P195907110

2) Cyl Head Gsk

- P111147520

3) Rocker Box Seal

- P052109074

4) Rocker Box Cover Seal

- P052109072

5) Oil Pan Gasket

- P110996920



1) Bush, Con Rod

- P198517265 x4

2) Bolt, Con Rod

- P115176140 x8

3) Nut, Con Rod

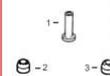
- P020109120 x8

4) Connecting Rod

- P115026251

5) Head Bolt

- P111136480 x14
- P111136490 x4



1) Tappet

- P120116160

2) Seal, Intk Valve

- P120406070 x4

3) Seal, Exh Valve

- P120406050 x4

Valve Train Kit

- PVTK440

1) Valve, Intake

2) Valve, Exhaust

- 1) P120166350 x4
- 2) P120176360 x4

3) Spring, Valve

- P198216700 x8

4) Retainer, Valve Spring

- P120186080 x8

5) Lock, Valve

- P120226070 x16



Oil Pump

- PU5MK8266
- PU5MK8267



1) Water Pump

- P145017951

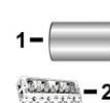
2) Gasket, W Pump

- P145996921



Thermostat

- P145206182



1) Repair Sleeve

- 84RS

2) Cylinder Head

- P111017420UF

(1): Does not include Crankshaft Oil Seals.
 (3): 37mm head diameter.
 (5): Check application for proper usage.

(2): Must verify valve head diameter before ordering.
 (4): 33mm head diameter.
 (6): Not included in Valve Train Kit.

Engine Series:

Shibaura

Engine Model:

N844T

Engine Desc:

TURBOCHARGED

Engine Data:

TIER 1 and TIER 2

Engine Info:

4 Cyl

Engine Dimensions:Bore: 3.3 in / 84.00 mm Stroke: 3.54 in / 90.00 mm Displacement: 121.7 in³/ 2.0 Lt Compression Ratio: 22.5:1**New Holland**L170 - Skid Steer
L215 - Skid Steer**Case IH**

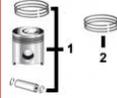
SR150 - Skid Steer

**1) Engine O/H Kit**

- POK848 Std.
- POK849 0.50

2) Basic Engine Kit

- PBK848 Std.
- PBK849 0.50
- Spec Sheet - 400C Series

**1) Piston & Ring Kit**

- P115017581 Std.
- P115017581B 0.50

4 Per Engine**2) Ring Set**

- P115104021 Std.
- P115104021B 0.50

**Main Bearing Set**

- P198586140 Std.
- P198586150 0.010
- P198586160 0.020

Set of 4 Pairs**Con Rod Bearing Set**

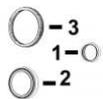
- PU5ME0011 Std.
- PU5ME0011A 0.010
- PU5ME0011B 0.020

Set of 4 Pairs**1) Thrust Washer**

- P199266200/10

Set of 3 Pcs**2) Crank Bushing**

- P198517222 Std.
- P198517226 0.010
- P198517229 0.020

**1) Front Seal**

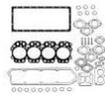
- P198636160

2) Rear Seal

- P198636170

3) Flywheel Ring Gear

- P115376040 109T
- PU15376160 126T

**1) O/H Gasket Set**

- P195907110

2) Cyl Head Gsk

- P111147520

3) Rocker Box Seal

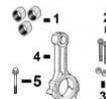
- P052109074

4) Rocker Box Cover Seal

- P052109072

5) Oil Pan Gasket

- P110996920

**1) Bush, Con Rod**

- P198517265 x4

2) Bolt, Con Rod

- P115176140 x8

3) Nut, Con Rod

- P020109120 x8

4) Connecting Rod

- P115026251

5) Head Bolt

- P111136480 x14
- P111136490 x4

**1) Tappet**

- P120116160

2) Seal, Intk Valve

- P120406070 x4

3) Seal, Exh Valve

- P120406050 x4

Valve Train Kit

- PVTK440

1) Valve, Intake**2) Valve, Exhaust**

- 1) P120166350 x4
- 2) P120176360 x4

3) Spring, Valve

- P198216700 x8

4) Retainer, Valve Spring

- P120186080 x8

5) Lock, Valve

- P120226070 x16

**1) Oil Pump**

- PU5MK8266
- PU5MK8267

2) Oil Cooler

- P2486A218

**1) Water Pump**

- P145017951

2) Gasket, W Pump

- P145996921

**Thermostat**

- P145206182

**Repair Sleeve**

- 84RS

**Turbocharger**

- P135756170

(1): Does not include Crankshaft Oil Seals.**(3):** 37mm head diameter.**(5):** Check application for proper usage.**(2):** Must verify valve head diameter before ordering.**(4):** 33mm head diameter.**(6):** Not included in Valve Train Kit.**N844L SHIBAURA TIER 1 & 2**

Engine Series:

Shibaura

Engine Model:

N844L

Engine Desc:NATURALLY
ASPIRATED**Engine Info:**

4 Cyl

**Engine
Dimensions:**

Bore: 3.3 in /
84.00 mm
Stroke: 3.9 in /
100.00 mm
Displacement:
135 in3/ 2.216
Lt
Compression
Ratio: 23.3:1

New Holland

L213 - Skid
Steer
3415 - Tractor
TC45 - Tractor
TC45A -
Tractor
TC45D -
Tractor
TC45DA -
Tractor
TC48DA -
Tractor

Case IH

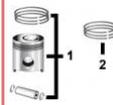
SR130 - Skid
Steer
410 - Skid
Steer
D45 - Tractor
DX45 - Tractor
DX48 - Tractor

**Marine Power
Systems**

422GM

**1) Engine O/H Kit**

- › POK404 Std.
 - › POK405 0.50
- 2) Basic Engine Kit**
- › PBK404 Std.
 - › PBK405 0.50
 - › Spec Sheet - 400C Series

**1) Piston & Ring Kit**

- › P115017491 Std.
 - › P115017491B 0.50
- 4 Per Engine**
- 2) Ring Set**
- › P115107970 Std.
 - › P115107970B 0.50

**Main Bearing Set**

- › P198586140 Std.
- › P198586150 0.010
- › P198586160 0.020

Set of 4 Pairs**Con Rod Bearing Set**

- › PU5ME0011 Std.
- › PU5ME0011A 0.010
- › PU5ME0011B 0.020

Set of 4 Pairs**1) Thrust Washer**

- › P199266200/10
- Set of 3 Pcs**
- 2) Crank Bushing**
- › P198517222 Std.
 - › P198517226 0.010
 - › P198517229 0.020

**1) Front Seal**

- › P198636160

2) Rear Seal

- › P050209083

3) Crankshaft

- › P115256990

4) Crankshaft Gear

- › PU15276270

5) Key, Crank Gear

- › P030509020

6) Flywheel Ring Gear

- › P115376040 109T
- › PU15376160 126T

**1) O/H Gasket Set**

- › PU5LC0017

2) Cyl Head Gsk

- › P111147741

3) Seal Rocker Box

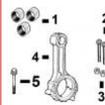
- › P120996130

4) Seal, Cyl HD Cov

- › P111996401

5) Oil Pan Gasket

- › P110996920

**1) Bush, Con Rod**

- › P198517265 x4

2) Bolt, Con Rod

- › P115176140 x8

3) Nut, Con Rod

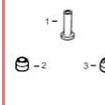
- › P020109120 x8

4) Connecting Rod

- › P115026330

5) Head Bolt

- › P111136480 x14
- › P111136490 x4

**1) Tappet**

- › P120116160

2) Seal, Intk Valve

- › P120406070 x4

3) Seal, Exh Valve

- › P120406050 x4

Valve Train Kit

- › PVTK440

1) Valve, Intake**2) Valve, Exhaust**

- › 1) P120166350 x4
- › 2) P120176360 x4

3) Spring, Valve

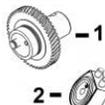
- › P198216700 x8

4) Retainer, Valve Spring

- › P120186080 x8

5) Lock, Valve

- › P120226070 x16

**1) Oil Pump**

- › PU5MK8266

2) Oil Cooler

- › P2486A218

**1) Lift Pump**

- › P130506351

2) Thermostat

- › P145206182

3) Atomiser

- › P131406490

**1) Water Pump**

- › P145017951

2) Gasket, W Pump

- › P145996921

**Repair Sleeve**

- › 84RS

**Fuel Lines**

- › 1) P131507700
- › 2) P131507710
- › 3) P131507720
- › 4) P131507730

(1): Does not include Crankshaft Oil Seals.**(2):** Use with HP Builds.**(3):** Do not use in applications that require a Crankshaft Driven Balancer Unit. The new style front gear is P/N U15276270, (.887" or 22.5mm Wide) and the key way P/N P030509020, must be used.**(4):** Use with HP and HPC Builds.**(5):** Not included in valve train kit.**N844LT SHIBAURA TIER 1 & 2**

Engine Series:
Shibaura

Engine Model:
N844LT

Engine Desc:
TURBOCHARGED

Engine Info:
4 Cyl

Engine Dimensions:
Bore: 3.3 in / 84.00 mm
Stroke: 3.9 in / 100.00 mm
Displacement: 135 in3/ 2.216 Lt
Compression Ratio: 23.3:1

New Holland

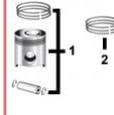
C175 - Skid Steer
L175 - Skid Steer
LS175 - Skid Steer
L215 - Skid Steer
L218 - Skid Steer
L220 - Skid Steer
L170 - Skid Steer
L216 - Skid Steer
TC55DA - Tractor

Case IH

420 - Skid Steer
420CT - Skid Steer
SR160 - Skid Steer
SV185 - Skid Steer
DX55 - Tractor



- 1) Engine O/H Kit**
 › POK406 Std.
 › POK407 0.50
- 2) Basic Engine Kit**
 › PBK406 Std.
 › PBK407 0.50
 › Spec Sheet - 400C Series



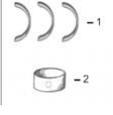
- 1) Piston & Ring Kit**
 › P115017581 Std.
 › P115017581B 0.50
- 4 Per Engine**
- 2) Ring Set**
 › P115104021 Std.
 › P115104021B 0.50



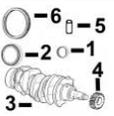
- Main Bearing Set**
 › P198586140 Std.
 › P198586150 0.010
 › P198586160 0.020
- Set of 4 Pairs**



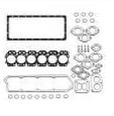
- Con Rod Bearing Set**
 › PU5ME0011 Std.
 › PU5ME0011A 0.010
 › PU5ME0011B 0.020
- Set of 4 Pairs**



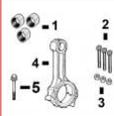
- 1) Thrust Washer**
 › P199266200/10
- Set of 3 Pcs**
- 2) Crank Bushing**
 › P198517222 Std.
 › P198517226 0.010
 › P198517229 0.020



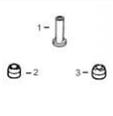
- 1) Front Seal**
 › P198636160
- 2) Rear Seal**
 › P050209083
- 3) Crankshaft**
 › P115256990
- 4) Crankshaft Gear**
 › PU15276270
- 5) Key, Crank Gear**
 › P030509020
- 6) Flywheel Ring Gear**
 › P115376040 109T
 › PU15376160 126T



- 1) O/H Gasket Set**
 › P404TOG
- 2) Cyl Head Gsk**
 › P111147741
- 3) Seal Rocker Box**
 › P120996130
- 4) Seal, Cyl HD Cov**
 › P111996401
- 5) Oil Pan Gasket**
 › P110996920



- 1) Bush, Con Rod**
 › P198517265 x4
- 2) Bolt, Con Rod**
 › P115176140 x8
- 3) Nut, Con Rod**
 › P020109120 x8
- 4) Connecting Rod**
 › P115026330
- 5) Head Bolt**
 › P111136480 x14
 › P111136490 x4



- 1) Tappet**
 › P120116160
- 2) Seal, Intk Valve**
 › P120406070 x4
- 3) Seal, Exh Valve**
 › P120406050 x4

- Valve Train Kit**
 › PVTK440

- 1) Valve, Intake**
2) Valve, Exhaust
 › 1) P120166350 x4
 › 2) P120176360 x4

- 3) Spring, Valve**
 › P198216700 x8
- 4) Retainer, Valve Spring**
 › P120186080 x8

- 5) Lock, Valve**
 › P120226070 x16



- 1) Oil Pump**
 › PU5MK8266 5
 › PU5MK8267 5
- 2) Oil Cooler**
 › P2486A218



- 1) Water Pump**
 › P145017951
- 2) Gasket, W Pump**
 › P145996921



- 1) Lift Pump**
 › P130506351 2
- 2) Thermostat**
 › P145206182
- 3) Atomiser**
 › P131406490



- Repair Sleeve**
 › 1) 84RS
- 2) Cylinder Head**
 › PTPN488UF 6



- Turbocharger**
 › P135756180 5
 › P135756170 5



- Fuel Lines**
 › 1) P131507700 5
 › 2) P131507710 5
 › 3) P131507720 5
 › 4) P131507730 5

(1): Does not include Crankshaft Oil Seals.
 (3): Do not use in applications that require a Crankshaft Driven Balancer Unit. The new style front gear is P/N U15276270, (.887" or 22.5mm Wide) and the key way P/N P030509020, must be used.
 (5): Check application for proper usage.

(2): Use with HR Build.
 (4): Not included in valve train kit.
 (6): For use on 400 series engines only where the intake manifold is part of the cylinder head cover.

N844L-D SHIBAURA TIER 3

Engine Series:
Shibaura

Engine Model:
N844L-D

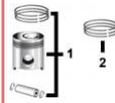
Engine Desc:
NATURALLY
ASPIRATED

Engine Data:

Engine Info:
4 Cyl



- 1) Engine O/H Kit**
- › POK464 Std.
 - › POK465 0.50
- 2) Basic Engine Kit**
- › PBK464 Std.
 - › PBK465 0.50
 - › Spec Sheet - 400D Series



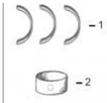
- 1) Piston & Ring Kit**
- › P115017491 Std.
 - › P115017491B 0.50
- 4 Per Engine**
- 2) Ring Set**
- › P115107970 Std.
 - › P115107970B 0.50



- Main Bearing Set**
- › P198586140 Std.
 - › P198586150 0.010
 - › P198586160 0.020
- Set of 4 Pairs**



- Con Rod Bearing Set**
- › PU5ME0011 Std.
 - › PU5ME0011A 0.010
 - › PU5ME0011B 0.020
- Set of 4 Pairs**



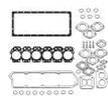
- 1) Thrust Washer**
- › P199266200/10
- Set of 3 Pcs**
- 2) Crank Bushing**
- › P198517222 Std.
 - › P198517226 0.010
 - › P198517229 0.020

Engine Dimensions:

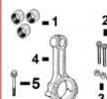
Bore: 3.3 in / 84.00 mm
Stroke: 3.9 in / 100.00 mm
Displacement: 134.25 in3 / 2.2 Lt
Compression Ratio: 23.3:1



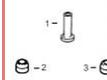
- 1) Front Seal**
- › P198636160
- 2) Rear Seal**
- › P050209083
- 3) Crankshaft**
- › P115256990



- 1) O/H Gasket Set**
- › P404DTOG
- 2) Cyl Head Gsk**
- › P111147771
- 3) Seal Rocker Box**
- › P120996130
- 4) Seal, Cyl HD Cov**
- › P111996401
- 5) Oil Pan Gasket**
- › P110996920
- 6) Timing Gasket Cover**
- › P165996590
 - › P165996600
 - › P165996630



- 1) Bush, Con Rod**
- › P198517265 x4
- 2) Bolt, Con Rod**
- › P115176140 x8
- 3) Nut, Con Rod**
- › P020109120 x8
- 4) Connecting Rod**
- › P115026330
- 5) Head Bolt**
- › P111136480 x14
 - › P111136490 x4



- 1) Tappet**
- › P120116160
- 2) Seal, Intk Valve**
- › P120406070 x4
- 3) Seal, Exh Valve**
- › P120406050 x4

Case IH

Farmall45 - Tractor
Farmall45A - Tractor
Farmall45B - Tractor
Farmall50 - Tractor
Farmall50B - Tractor
SR130 - Skid Steer

New-Holland

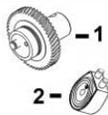
L213 - Skid Steer
Workmaster 45 - Tractor

- Valve Train Kit**
- › PVTK440

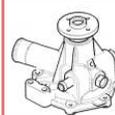
- 1) Valve, Intake**
- 2) Valve, Exhaust**
- › 1) P120166350 x4
 - › 2) P120176360 x4

- 3) Spring, Valve**
- › P198216700 x8
- 4) Retainer, Valve Spring**
- › P120186080 x8

- 5) Lock, Valve**
- › P120226070 x16



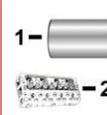
- 1) Oil Pump**
- › PU5MK8267
- 2) Oil Cooler**
- › P2486A218



- Water Pump**
- › PU45010062



- 1) Lift Pump**
- › P130506351
- 2) Thermostat**
- › P145206230
- 3) Atomiser**
- › P131406490



- Repair Sleeve**
- › 1) 84RS
- 2) Cylinder Head**
- › P111011030UF



- Fuel Lines**
- › 1) P131507700
 - › 2) P131507710
 - › 3) P131507720
 - › 4) P131507730

(1): Does not include Crankshaft Oil Seals.

(2): Do not use in applications that require a Crankshaft Driven Balancer Unit. The new style front gear is P/N U15276270, (.887" or 22.5mm Wide) and the key way P/N P030509020, must be used.

(3): Use with GN Build, 404D-22 Engine.

(4): Not included in valve train kit.

(5): For use on 400 series engines only where the intake manifold is part of the cylinder head cover.

(6): Included in P404DTOG.

N844LT-D SHIBAURA TIER 3

Engine Series:

Shibaura

Engine Model:

N844LT-D

Engine Desc:

TURBOCHARGE

Engine Info:

4 Cyl

Engine Dimensions:

Bore: 3.3 in / 84.00 mm
 Stroke: 3.9 in / 100.00 mm
 Displacement: 134.25 in³ / 2.2 Lt
 Compression Ratio: 23.3:1

Shibaura TractorsST450
ST460**New Holland**

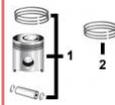
Workmaster 55 - Tractor

Case IH410 - Skid Steer
SV185 - Skid Steer
SR175 - Skid Steer
DX55 - Tractor**1) Engine O/H Kit**

- › POK466 Std.
- › POK467 0.50

2) Basic Engine Kit

- › PBK466 Std.
- › PBK467 0.50
- › Spec Sheet - 400D Series

**1) Piston & Ring Kit**

- › P115017581 Std.
- › P115017581B 0.50

4 Per Engine**2) Ring Set**

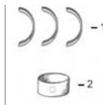
- › P115104021 Std.
- › P115104021B 0.50

**Main Bearing Set**

- › P198586140 Std.
- › P198586150 0.010
- › P198586160 0.020

Set of 4 Pairs**Con Rod Bearing Set**

- › PU5ME0011 Std.
- › PU5ME0011A 0.010
- › PU5ME0011B 0.020

Set of 4 Pairs**1) Thrust Washer**

- › P199266200/10

Set of 3 Pcs**2) Crank Bushing**

- › P198517222 Std.
- › P198517226 0.010
- › P198517229 0.020

**1) Front Seal**

- › P198636160

2) Rear Seal

- › P050209083

3) Crankshaft

- › P115256990

4) Crankshaft Gear

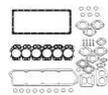
- › PU15276270

5) Key, Crank Gear

- › P030509020

6) Flywheel Ring Gear

- › P115376040 109T
- › PU15376160 126T

**1) O/H Gasket Set**

- › P404DTOG

2) Cyl Head Gsk

- › P111147771

3) Seal Rocker Box

- › P120996130

4) Seal, Cyl HD Cov

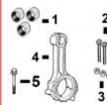
- › P111996401

5) Oil Pan Gasket

- › P110996920

6) Timing Gasket Cover

- › P165996590
- › P165996600
- › P165996630

**1) Bush, Con Rod**

- › P198517265 x4

2) Bolt, Con Rod

- › P115176140 x8

3) Nut, Con Rod

- › P020109120 x8

4) Connecting Rod

- › P115026330

5) Head Bolt

- › P111136480 x14
- › P111136490 x4

**1) Tappet**

- › P120116160

2) Seal, Intk Valve

- › P120406070 x4

3) Seal, Exh Valve

- › P120406050 x4

Valve Train Kit

- › PVTK440

1) Valve, Intake**2) Valve, Exhaust**

- › 1) P120166350 x4
- › 2) P120176360 x4

3) Spring, Valve

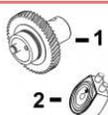
- › P198216700 x8

4) Retainer, Valve Spring

- › P120186080 x8

5) Lock, Valve

- › P120226070 x16

**1) Oil Pump**

- › PU5MK8267

2) Oil Cooler

- › P2486A218

**Water Pump**

- › PU45010062
- › P145017951

**1) Lift Pump**

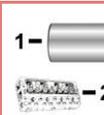
- › P130506351

2) Thermostat

- › P145206230

3) Atomiser

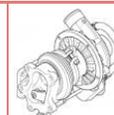
- › P131406490

**1) Repair Sleeve**

- › 84RS

2) Cylinder Head

- › P111011090UF

**Turbocharger**

- › P135756180
- › P135756170

(1): Does not include Crankshaft Oil Seals.

(2): Do not use in applications that require a Crankshaft Driven Balancer Unit. The new style front gear is P/N U15276270, (.887" or 22.5mm Wide) and the key way P/N P030509020, must be used.

(3): Not included in valve train kit.

(4): Check application for proper usage.

(5): Included in P404DTOG.

N844LTA-D SHIBAURA TIER 3

Engine Series:

Shibaura

Engine Model:

N844LTA-D

Engine Desc:TURBOCHARGED
AFTERCOOLED**Engine Info:**

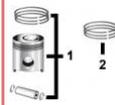
4 Cyl

Engine Dimensions:Bore: 3.3 in /
84.00 mm
Stroke: 3.9 in /
100.00 mm
Displacement:
134.25 in3/ 2.2
Lt
Compression
Ratio: 23.3:1**Case IH**DX55 - Tractor
SR175 - Skid
Steer
SV185 - Skid
Steer**New Holland**C175 - Skid
Steer
L175 - Skid
Steer
L215 - Skid
Steer
L218 - Skid
Steer
L220 - Skid
Steer
T2420 -
Tractor**1) Engine O/H Kit**

- › POK468 Std.
- › POK469 0.50

2) Basic Engine Kit

- › PBK468 Std.
- › PBK469 0.50
- › Spec Sheet - 400D Series

**1) Piston & Ring Kit**

- › P115017581 Std.
- › P115017581B 0.50

4 Per Engine**2) Ring Set**

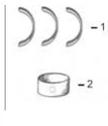
- › P115104021 Std.
- › P115104021B 0.50

**Main Bearing Set**

- › P198586140 Std.
- › P198586150 0.010
- › P198586160 0.020

Set of 4 Pairs**Con Rod Bearing Set**

- › PU5ME0011 Std.
- › PU5ME0011A 0.010
- › PU5ME0011B 0.020

Set of 4 Pairs**1) Thrust Washer**

- › P199266200/10

Set of 3 Pcs**2) Crank Bushing**

- › P198517222 Std.
- › P198517226 0.010
- › P198517229 0.020

**1) Front Seal**

- › P198636160

2) Rear Seal

- › P050209083

3) Crankshaft

- › P115256990

4) Crankshaft Gear

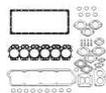
- › PU15276270

5) Key, Crank Gear

- › P030509020

6) Flywheel Ring Gear

- › P115376040 109T
- › PU15376160 126T

**1) O/H Gasket Set**

- › P404DTOG

2) Cyl Head Gsk

- › P111147771

3) Seal Rocker Box

- › P120996130

4) Seal, Cyl HD Cov

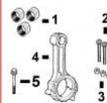
- › P111996401

5) Oil Pan Gasket

- › P110996920

6) Timing Gasket Cover

- › P165996590
- › P165996600
- › P165996630

**1) Bush, Con Rod**

- › P198517265 x4

2) Bolt, Con Rod

- › P115176140 x8

3) Nut, Con Rod

- › P020109120 x8

4) Connecting Rod

- › P115026330

5) Head Bolt

- › P111136480 x14
- › P111136490 x4

**1) Tappet**

- › P120116160

2) Seal, Intk Valve

- › P120406070 x4

3) Seal, Exh Valve

- › P120406050 x4

Valve Train Kit

- › PVTK440

1) Valve, Intake**2) Valve, Exhaust**

- › 1) P120166350 x4
- › 2) P120176360 x4

3) Spring, Valve

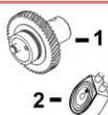
- › P198216700 x8

4) Retainer, Valve Spring

- › P120186080 x8

5) Lock, Valve

- › P120226070 x16

**1) Oil Pump**

- › PU5MK8267

2) Oil Cooler

- › P2486A218

**Water Pump**

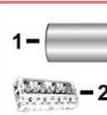
- › PU45010062

**1) Lift Pump**

- › P130506351

2) Thermostat

- › P145206230

**1) Repair Sleeve**

- › 84RS

2) Cylinder Head

- › P111011090UF

**Turbocharger**

- › P135756180

- › P135756170

**Fuel Lines**

- › 1) P131507700

- › 2) P131507710

- › 3) P131507720

- › 4) P131507730

(1): Does not include Crankshaft Oil Seals.

(2): Do not use in applications that require a Crankshaft Driven Balancer Unit. The new style front gear is P/N U15276270, (.887" or 22.5mm Wide) and the key way P/N P030509020, must be used.

(3): Not included in valve train kit.

(4): Check application for proper usage.

(5): Included in P404DTOG.

N844L-F SHIBAURA TIER 4

Engine Series:

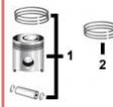
Shibaura

Engine Model:

N844L-F

Engine Desc:NATURALLY
ASPIRATED**Engine Data:**INDIRECT
INJECTION**Engine****Dimensions:**Bore: 3.3",
84mm Stroke:
3.9", 100mm
Displacement:
in3
Compression
Ratio: 23.3:1**New Holland**L213 - Skid
Steer**Case IH**SR130 - Skid
Steer**1) Engine O/H Kit**

- › POK520 Std.
 - › POK521 0.50
- 2) Basic Engine Kit**
- › PBK520 Std.
 - › PBK521 0.50
 - › Spec Sheet - 400D Series

**1) Piston & Ring Kit**

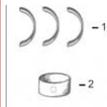
- › P115017790 Std.
 - › P115017790B 0.50
- 4 Per Engine**

**Main Bearing Set**

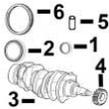
- › P198586140 Std.
 - › P198586150 0.010
 - › P198586160 0.020
- Set of 4 Pairs**

**Con Rod Bearing Set**

- › PU5ME0011 Std.
 - › PU5ME0011A 0.010
 - › PU5ME0011B 0.020
- Set of 4 Pairs**

**1) Thrust Washer**

- › P199266200/10
- Set of 3 Pcs**
- 2) Crank Bushing**
- › P198517222 Std.
 - › P198517226 0.010
 - › P198517229 0.020

**1) Front Seal**

- › P198636160

2) Rear Seal

- › P050209083

3) Crankshaft

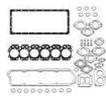
- › P115256990

4) Crankshaft Gear

- › PU15276270

5) Key, Crank Gear

- › P030509020

**1) O/H Gasket Set**

- › P404DTOG

2) Cyl Head Gsk

- › P111147771

3) Seal Rocker Box

- › P120996130

4) Seal, Cyl HD Cov

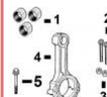
- › P111996401

5) Oil Pan Gasket

- › P110996920

6) Timing Gasket Cover

- › P165996590
- › P165996600
- › P165996630

**1) Bush, Con Rod**

- › P198517265 x4

2) Bolt, Con Rod

- › P115176140 x8

3) Nut, Con Rod

- › P020109120 x8

4) Con Rod

- › P115026330

**1) Tappet**

- › P120116160

2) Seal, Intk Valve

- › P120406070 x4

3) Seal, Exh Valve

- › P120406050 x4

Valve Train Kit

- › PVTK440

1) Valve, Intake**2) Valve, Exhaust**

- › 1) P120166350 x4
- › 2) P120176360 x4

3) Spring, Valve

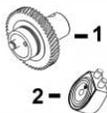
- › P198216700 x8

4) Retainer, Valve Spring

- › P120186080 x8

5) Lock, Valve

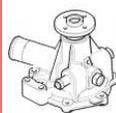
- › P120226070 x16

**1) Oil Pump**

- › PU5MK8267

2) Oil Cooler

- › P2486A218

**Water Pump**

- › PU45010062

**1) Lift Pump**

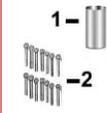
- › P130506351

2) Thermostat

- › P145206230

3) Atomiser

- › P131406490

**1) Repair Sleeve**

- › 84RS

2) Head Bolts

- › P111136480 x14
- › P111136490 x4

(1): Crankshaft oil seals and after-treatment component (EGR) gaskets are not included in the gasket set

(3): Check application for proper usage.

(5): Included in P404DTOG.

(2): Do not use in applications that use a crankshaft driven balancer unit. This crank requires new style front gear PU15276270 (22.5mm wide) and crank key P030509020.

(4): Under development, not included in Valve Train Kit.

N844LT-F SHIBAURA TIER 4

Engine Series:
Shibaura

Engine Model:
N844LT-F

Engine Desc:
TURBOCHARGED

Engine Data:
INDIRECT INJECTION

Engine Dimensions:
Bore: 3.3", 84mm Stroke:
3.9", 100mm
Displacement: 135 in3
Compression Ratio: 23.5:1

Case IH

SR160 - Skid Steer
SV185 - Skid Steer

SR175 - Skid Steer

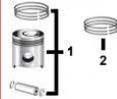
New-Holland

L216 - Skid Steer
L220

L218 - Skid Steer



- 1) **Engine O/H Kit**
 - POK522 Std.
 - POK523 0.50
- 2) **Basic Engine Kit**
 - PBK522 Std.
 - PBK523 0.50
 - Spec Sheet - 400D Series



- 1) **Piston & Ring Kit**
 - P115017800 Std.
 - P115017800B 0.50
- 4 Per Engine



- Main Bearing Set**
 - P198586140 Std.
 - P198586150 0.010
 - P198586160 0.020
- Set of 4 Pairs



- Con Rod Bearing Set**
 - PU5ME0011 Std.
 - PU5ME0011A 0.010
 - PU5ME0011B 0.020
- Set of 4 Pairs



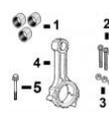
- 1) **Thrust Washer**
 - P199266200/10
- Set of 3 Pcs**
- 2) **Crank Bushing**
 - P198517222 Std.
 - P198517226 0.010
 - P198517229 0.020



- 1) **Front Seal**
 - P198636160
- 2) **Rear Seal**
 - P050209083
- 3) **Crankshaft**
 - P115256990
- 4) **Crankshaft Gear**
 - PU15276270
- 5) **Key, Crank Gear**
 - P030509020



- 1) **O/H Gasket Set**
 - P404D TOG
- 2) **Cyl Head Gsk**
 - P111147771
- 3) **Seal Rocker Box**
 - P120996130
- 4) **Seal, Cyl HD Cov**
 - P111996401
- 5) **Oil Pan Gasket**
 - P110996920
- 6) **Timing Gasket Cover**
 - P165996590
 - P165996600
 - P165996630



- 1) **Bush, Con Rod**
 - P198517265 x4
- 2) **Bolt, Con Rod**
 - P115176140 x8
- 3) **Nut, Con Rod**
 - P020109120 x8
- 4) **Con Rod**
 - P115026330



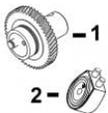
- 1) **Tappet**
 - P120116160
- 2) **Seal, Intk Valve**
 - P120406070 x4
- 3) **Seal, Exh Valve**
 - P120406050 x4

- Valve Train Kit**
 - PVTK440

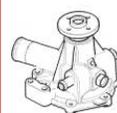
- 1) **Valve, Intake**
- 2) **Valve, Exhaust**
 - P120166350 x4
 - P120176360 x4

- 3) **Spring, Valve**
 - P198216700 x8
- 4) **Retainer, Valve Spring**
 - P120186080 x8

- 5) **Lock, Valve**
 - P120226070 x16



- 1) **Oil Pump**
 - PU5MK8267
- 2) **Oil Cooler**
 - P2486A218



- Water Pump**
 - PU45010062



- 1) **Lift Pump**
 -
- 2) **Thermostat**
 - P145206230



- Repair Sleeve**
 - 84RS



- Turbocharger**
 - P135756180
 - P135756170

(1): Crankshaft oil seals and after-treatment component (EGR) gaskets are not included in the gasket set
(2): Do not use in applications that use a crankshaft driven balancer unit. This crank requires new style front gear PU15276270 (22.5mm wide) and crank key P030509020.
(3): Check application for proper usage.
(4): Under development, not included in Valve Train Kit.
(5): Not included in Valve Train Kit.
(6): Included in P404D TOG.

SHIBAURA N4LDI-T, TIER 4B/4F

Engine Series:
Shibaura

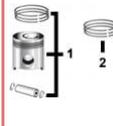
Engine Model:
N4LDI-T

Engine Desc:
Turbocharged,
Common Rail
Injection

Engine Data:
Tier 4



- 1) **Basic Engine Kit**
- PBK550 Std.
 - PBK551 0.50
 - Spec Sheet - 400D Series



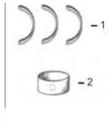
- 1) **Piston & Ring Kit**
- P115017810 Std.
 - P115017810B 0.50
- 4 Per Engine
- 2) **Ring Set**
- P115104130 Std
 - P115104130B .50mm



- Main Bearing Set**
- P198586140 Std.
 - P198586150 0.010
 - P198586160 0.020
- Set of 4 Pairs



- Con Rod Bearing Set**
- PU5ME0011 Std.
 - PU5ME0011A 0.010
 - PU5ME0011B 0.020
- Set of 4 Pairs



- 1) **Thrust Washer**
- P199266200/10
- Set of 3 Pcs
- 2) **Crank Bushing**
- P198517222 Std.
 - P198517226 0.010
 - P198517229 0.020

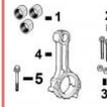
Engine Dimensions:
Bore: 3.3",
84mm Stroke:
3.9", 100mm
Displacement: 1
in3



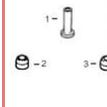
- 1) **Front Seal**
- P198636160
- 2) **Rear Seal**
- P050209083
- 3) **Crankshaft**
- P115256990
- 4) **Crankshaft Gear**
- PU15276270
- 5) **Key, Crank Gear**
- P030509020
- 6) **Flywheel Ring Gear**
- PU15376160 126T



- 1) **O/H Gasket Set**
- P404FTOG
- 2) **Cyl Head Gasket**
- P111147771
- 3) **Oil Pan Gasket**
- P110996920
- 4) **Timing Cover Gasket**
- P165996740
- 5) **Head Cover Seal**
- PU11996520
- 6) **Rocker Box Seal**
- PU20996250
- 7) **Exhaust Manifold Gasket**
- PU35997200
- 8) **Intake Spacer Plate Gasket**
- PU35997170
- 9) **Intake Manifold Gasket**
- PU35997180



- 1) **Bush, Con Rod**
- P198517265 x4
- 2) **Bolt, Con Rod**
- P115176140 x8
- 3) **Nut, Con Rod**
- P020109120 x8
- 4) **Con Rod**
- P115026330



- 1) **Tappet**
- P120116160
- 2) **Valve Seal**
- P120406070 x8

Case IH

SR175 - Skid Steer
SR175B - Skid Steer
SV185 - Skid Steer
SV185B - Skid Steer

New-Holland

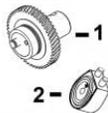
L218 - Skid Steer
L220 - Skid Steer

Massey Ferguson

2705E - Tractor
2706E - Tractor

LS Tractor

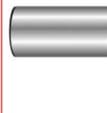
XU5055 - Tractor
XU5055C - Tractor
XU5065PS - Tractor
XU5065CPS - Tractor



- 1) **Oil Pump**
- PU5MK8267
- 2) **Oil Cooler**
- P2486A218



- 1) **Water Pump**
- PU45010062
- 2) **Gasket, Water Pump**
- P145996921
- 3) **Thermostat**
- P145206230



- Repair Sleeve**
- 84RS



- 1) **Turbocharger**
- P135756252

(1): Does not include crankshaft seals

(3): Check application for proper usage.

(2): Do not use in applications that use a crankshaft driven balancer unit. This crank requires new style front gear PU15276270 (22.5mm wide) and crank key P030509020.

(4): For covers with 4 bolt auxiliary drive