

JUDSON



RESEARCH AND MFG. CO.
CONSHOHOCKEN, PENNA.
19428

TELEPHONE: (215) 828-3011
CABLE: JUDCO

February 5, 1968

Mr. E. Alan Moss
Moss Motors, Ltd.
5775 Dawson Ave.
Goleta, Calif.

Dear Mr. Moss:

Thank you kindly for your letter of January 31st ordering a crankshaft pulley for one of our model MG-26 super-charger kits as designed for the MG-TD.

We regret to advise that we discontinued manufacturing this kit over seven years ago and major replacement parts such as pulleys are no longer available. Your check is herewith returned and we regret our inability to be of service to you in this regard.

Sincerely,

JUDSON RESEARCH & MFG. CO.


D. Manson

DM:z
enc.

Courtesy Al Moss
May, 2008

SERVICE DATA

JUDSON MODEL SP SUPERCHARGER

VERY IMPORTANT: In reassembling the supercharger, make sure that the end covers are assembled to the main housing in exactly the same relationship as when removed. Make a note of their position on the housing before removing.

Disassemble the Supercharger in the Following Manner:

1. Remove the supercharger from the engine and place on a clean bench. Remove the carburetor and manifolds from the supercharger.
2. Remove the six bolts holding on the rear cover.
3. Use two $\frac{5}{16}$ " USS bolts and screw into the tapped holes in the rear cover. These act as jack screws to remove the rear cover and bearing from the shaft. Jack screws should be tightened slowly and the same amount on both sides of the cover so that the bearing and cover will be pulled off the shaft straight.
4. After the rear cover has been removed the vanes can be removed from the rotor.
IMPORTANT: Before removing the vanes take special notice of the slots in the vanes. Vanes must be replaced in the same manner or supercharger will not function. Slots in vanes face to the center or toward the shaft.
5. To remove the rotor assembly, remove the six bolts holding on the front cover and the front cover can be removed from the housing with the complete rotor assembly.
6. To remove the front cover from the shaft: remove the nut from the shaft and then the pulley. Remove idler bracket from front cover. Rotor shaft can then be forced out of the front bearing using an arbor press.
7. To remove the bearing and seals from the front cover; remove the snap ring, drive out the bearing from the inside, drive out seals in same manner. Take notice of the relative position of the two seals so that they can be replaced correctly, this is important.
8. In replacing the end cover on the shaft, seals should be carefully worked over the spacer on the shaft to prevent damage.
9. To remove the bearing from the rear cover: push out cap from inside of housing, remove the snap ring from the housing, push out bearing from inside of cover. In reassembling, the cover cap is forced into the groove by striking in the center. Edge of cover should be coated with Permatex or sealer prior to replacement.

Courtesy Al Moss
May, 2008

PARTS LIST

JUDSON MODEL SP SUPERCHARGER

Mention model and specification number on name plate in ordering parts

PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
1401	Housing	52.80	1410	Main gaskets (2)	.48
1504	Rotor Assembly	43.20	1322	Carburetor Gasket	.24
1505	Front Cover	9.60	1411	Lubricator	18.00
1502	Rear Cover	9.60	1412	Belt	3.36
1403	Supercharger Pulley	7.68	1413	Carburetor	23.40
1404	Crankshaft Pulley	8.16	1414	Oil Line	1.20
1405	Intake Manifold	19.68	1541	Oil Line Fitting	.48
1406	Exhaust Manifold	21.12	1540	Oil Line Ferrule	.20
1407	Air Cleaner, complete	9.36	1415	Throttle Cable Bolt	.72
1408	Idler Bracket	11.38	1919	Carburetor Stud	.36
1409	Idler Pulley	5.04	1523	Shaft Washer	.12
1550	Bearing (3)...ea.	2.16	1416	Support Bolt	.48
1513	Front Seals (2)..ea.	.60	1417	Support Bracket	1.68
1501	Rear Seal	.60	1418	Manifold Bolt (set)	.96
1556	Shaft Snap Ring (2)..ea.	.30	1419	Gas Line w/fittings	1.20
1551	Vanes (4) ..set	12.00	1420	Vacuum Advance Line	.72
1517	End Plug	.48	1334	Throttle Spring	.48
1510	Shaft Nut	.72	1421	Pipe Hook	.12
1511	Shaft Spacer Tube	1.20	1342	Idler Clamp Bolt	.12
1545	Shaft Key	.12	1615	Idler Pulley Shaft	.12

All fastenings are standard 3/8—16 and 5/16—18

The Judson Supercharger is fully covered by patents and patents pending.

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*Courtesy Al Moss
 May, 2008*