

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

**Office of the VC & MD,
MSRD:HYDERABAD-20.
Dated : 03.05.2000.**

No.OP2/462(10)/99-MED

CIRCULAR NO.14/2000-MED, Dated 3.5.2000

SUB: Maintenance - Introduction of certain modifications on Ashok Leyland Vehicles as a product development - Details of modifications - Reg-

REF: Service Bulletin No.799 & 801 of August 1999.

M/s.Ashok Leyland have introduced certain modifications in the following areas of their vehicles as part of product development

**MODIFIED FRONT & REAR
BRAKE DRUMS**

**EFFECTIVE FROM CHASSIS
NUMBER PKE 423179**

**MODIFIED WHEEL RIMS WITH
IMPROVED PROFILE**

**NOT YET IMPLEMENTED ON
PASSENGER CHASSIS. THIS
MODIFICATION WILL BE
IMPLEMENTED AFTER TWO
MONTHS**

**INTRODUCTION OF FULLY
PLATED AIR PIPES**

**EFFECTIVE FROM CHASSIS
NUMBER LKE 429643**

**INTRODUCTION OF INDIGENOUS
WATER PUMP FOR HINO ENGINES**

EFFECTIVE FROM NOV99

We have already received a limited number of vehicles with the above modifications. To create awareness among the Mechanical Supervisors and staff about the modifications and to maintain these vehicles properly, the salient features of these modifications are furnished below:

1. MODIFIED FRONT & REAR WHEEL RIMS AND BRAKE DRUMS:

Front & Rear brake drums and wheel rims are modified. The modifications are:

Casting profile modified between shoe bore and hub flange seating on the brake drum

Cast lugs on the outer dia of the brake drum have been eliminated to allow the fitment of newly proposed wheel rims

The advantage of modified wheel rims with improved profile is to enhance the life of wheel rims.

Due to the above changes modified wheel rims with improved profile should not be fitted on to the existing Brake Drums which have 3 cast lugs. If by any change improved wheel rim is assembled on the existing brake drum, the lugs are likely to foul with wheel rims which will cause to wheel rim failures. If these improved wheel rims are to be fitted due to exigencies on to the existing brake drums, it is necessary to grind off lugs and Projections of cast marks if any such as part No./supplier (lake) on the butting surface of the brake drums.

There is no change in the part number of modified brake drum and may be ordered with the existing part number. (Figures showing existing and modified Brake drums are enclosed)

11. INTRODUCTION OF FULLY PLATED AIR PIPES:

To overcome the rusting of pipe M/s Ashok Leyland have introduced Zinc Plated Air Pipes to their Vehicles. The Main changes are :

Zinc plating with yellow chrome passivation (both inside and outside) introduced on all brake air pipings in place of plain phosphated Air pipes.

Plating carried out after brazing end fittings.

There is no change in the part numbers due to the above modifications on Brake pipes. These pipes are interchangeable with the existing air pipes.

III. INTRODUCTION OF INDIGENOUS WATER PUMP FOR HINO ENGINES

M/s.Ashok Leyland have introduced indigenous water pump on their vehicles for better performance, grease cup is provided for these indigenous type water pump to lubricate the inner taper roller bearings. It is necessary to check the grease on the grease cup in every Sch.II maintenance for effective greasing of inner roller bearings, k In earlier type of water pump there is no necessity to lubricate the bearings. Indigenous water pump has to be identified if it has grease cup on the water pump body which is not available in the earlier model. The details of part numbers for indigenous water pump are at Annexure.

All these parts are not interchangeable with the parts of existing water pump of Hino Engine. The water pump assembly as a whole is interchangeable.

Dy.CME's of Leyland area are advised to arrange to organise training programme in consultation with service Engineers of Ashok Leyland to update the knowledge of Mechanical Supervisors and Mechanics on the above modifications.

COS's of Leyland area are advised to arrange to procure new spares as mentioned above and supply to the Depots to maintain these vehicles effectively. The requirement of new spares may be discussed in the limits fixing committee meeting considering the number of vehicles received in the Zone land periodicity of requirement etc., Part numbers are already mentioned above against of each spare part.

All Depot Managers and Maintenance Incharges of Leyland area are advised to note the above changes on the Leyland vehicles and educate the Mechanical Supervisors and mechanics about these modifications so as to maintain these vehicles properly.

Encl : Annexure

\Sd/-(P.ARJUNA)
EXECUTIVE DIRECTOR (Engg)

// Attested by //
Sd/-
Chief Merhanical Engineer(O)

ANNEXURE: 1 :

S.NO	DESCRIPTION	PART NUMBER
01	WATER PUMP ASSEMBLY	B 7016007
02	VANE ASSEMBLY	P 2604939
03	RUBBER SEAL	P 2604327
04	CERAMIC RING	P 2604227
05	WATER PUMP SEAL ASSEMBLY	P 2604127
06	SLINGER	P 2601311
07	CASE COOLANT PUMP	P 2601218
08	GREASE CUP OUTER	P 2601511
09	GREASE CUP INNER	P 2601411
10	OIL SEAL	P 2604427
11	TAPER ROLLER BEARING	P 2604202
12	SPACER	P 2600412
13	SHAFT	P 2600733
14	SHIM	P 7600544
15	PAPER GASKET	P 2603617
16	HOLDER	P 2601418
17	OIL SEAL	P 2604527
18	HEXAGONAL SCREW	P 2606035
19	PULLEY HUB	P 2601318
20	MAJOR KIT	P 2606751
21	MINOR KIT	P 2606851
22	SEAL KIT	P 2606951

ANEEXURE : 2 :

FRONT & REAR BRAKE DRUMS

