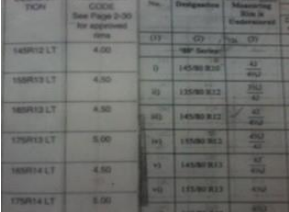












Tyre Mounting and Demounting Procedure







Applicability: Only for Tube tyre tyres

A. Tyre Mounting

1	Rim Selection	Select the rim from the rim rack as per the size given in the test request / Standards Manuals. Select OE / Fabricated rim for the test.	ITTAC/Test standards	
2	Tube & flap Selection	Select the proper tube and flap size as per tyre size, and insert the tube first then place the flap above the tube with proper seating. Before loading the tube inside the tyre, put the chalk powder inside the tyre and the tube valve direction should be match with tyre serial side.	Visually	
3	Lubrication of Bead	Apply the recommended tyre lubricant (Eg Sarv 2200120, Tip Top 75N) on the both the beads covering the ledge and the rim lines	Visually	
4	Arranging of Rim	Remove the rim lock flange from the rim and place the as per the solid side if the rim should bottom.	Visually	
5	Loading of tyre ON rim	Load the tyre and tube assembly on the rim, the tube valve should come out with rim valve hole.	Visually	
6	Tyre seating	Seat the tyre perfectly, by pressing the tyre side wall by leg and check the gap between the bead and rim is equal.	Visually	

7	Lock ring	Put the lock ring, the lock ring flange should go first in the gap, then press the lock by leg,	Visually.	
8		After placing the lock ring, hammering the rim flange to proper seating, Don't use Iron hammer use Heavy plastic hammer (Teflon)		
9	Tyre to Rim centricity	Check the tyre to rim centricity by visually measure the rim centre line to rim flange width & hieght throughout rim on both side.	Visually	
10	Inflation	Move the tyre inflation cage; keep it inside the cage for inflation. Tied the rim and tyre assembly with chain. Inflate the tyre at 5 Psi	Visually	
11	Rim centricity	After 5 psi inflation Check the tyre to rim centricity by visually measure the rim centre line to rim flange width throughout rim on both side.	Visually	

B. Demounting

1	Demounting	Remove the valve core from the valve wait until the completely deflate the tyre.	Valve core tool Visually	
2	Bead detaching	Lay down the tyre and rim assembly on floor and the lock ring side should top, Insert the demounting lever in between the tyre and lock ring flange. Then press down the lever for detaching the rim and bead contact. Do this all four direction.	Visually	
3	Lock ring dismantling	Put the demounting lever in between the lock ring gap and make more gap between the lock ring and rim. Now insert another tool lock ring lever slot and pull out the lock ring from rim slot.	Visually	
				
				
15	Tyre dismantle	After pull up the lock ring, stand it the assembly vertically, then push it out rim from tyre.	Visually	
16	Storage area	Take out the Tube and flap, and store it inside shelf, Rim to storage area.	Visually	