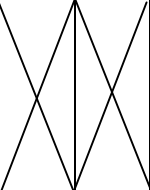


STATION		<b>Boeing 737-300/400/500 MAINTENANCE JOB CARD</b>			EFFECTIVITY <b>ALL</b>		
TAIL. NO					AIRPLANE CARD NO <b>08-200-00-W</b>		
DATE							
SKILL <b>AIRPL</b>	WORK AREA <b>AIRPLANE</b>	RELATED TASK	INTERVAL <b>48 MOS</b>	PHASE	REVISION <b>09/May/2013</b>		
TASK <b>Operational</b>		TITLE <b>AIRCRAFT WEIGHING</b>			STRUCT. ILLUSTR. REF.		
ZONES			ACCESS PANELS				
MECH	INSP	<b>AIRCRAFT WEIGHING PROCEDURE</b>				<b>08-200-00-W</b>	
		A. Equipment and Material :					
		1. Weighing equipment					
		<p>Prepare the aircraft to weighing conditions i.a.w. Weight &amp; Balance Manual Sect. 1-82-001; and Pre-weighing Check List:</p> <p><b>Fuel:</b></p> <p>Fuel from all tanks is drained to the trapped (usable and unusable) fuel condition. Trapped fuel is defined as the quantity of fuel which cannot be removed through the production sump tank drains.</p> <p>To obtain trapped fuel condition:</p> <ol style="list-style-type: none"> <li>1. Pump off all usable fuel to sump level.</li> <li>2. Adjust and maintain airplane attitude at 0.15 degrees nose down.</li> <li>3. Drain the remaining fuel through sump drain valves.</li> </ol> <p><b>System Fluids</b></p> <p>System fluids must be drained or at a known quantity as follows:</p> <ul style="list-style-type: none"> <li>• Drain all waste tanks.</li> <li>• Drain potable water system.</li> </ul> <p>The following systems must be at service for flight:</p> <ul style="list-style-type: none"> <li>• Engine Oil</li> <li>• Hydraulic Fluids</li> <li>• Oxygen</li> <li>• Landing Gear Oleo Oil</li> <li>• Fire Extinguisher Charge</li> <li>• Miscellaneous Subsystem Fluids</li> </ul>					
ACCOMPLISHED		TASK <b>Operational</b>	AIRCRAFT CARD NO / TITLE <b>08-200-00-W / AIRCRAFT WEIGHING</b>				

# Boeing 737-300/400/500

## MAINTENANCE JOB CARD

EFFECTIVITY <b>ALL</b>
AIRPLANE CARD NO <b>08-200-00-W</b>

MECH	INSP	
		<p><b><u>Airplane Configuration</u></b></p> <p>The condition of the airplane at the time of weighing must be one that is well defined and can be easily repeated. Each of the following steps must be completed prior to weighing:</p> <ul style="list-style-type: none"> <li>• Inventory the airplane using an approved inventory list.</li> <li>• Remove all shop equipment, tools, and trash.</li> <li>• Stow all loose equipment items in their proper locations.</li> <li>• Dry the airplane thoroughly.</li> <li>• Close all doors and access panels.</li> <li>• Retract the flaps fully</li> <li>• Set the horizontal stabilizer, control surfaces, and spoilers to their neutral positions.</li> <li>• Inflate landing gear tires to specified operating pressures.</li> </ul>
		<p>Verify the Pre-weighing Check List (see Table 1)</p>
		<p>Perform Weighing procedure as applicable method (i.a.w. WBM 1-82-001) and record result to Weighing Report .</p> <p><b>Note:</b> Weigh a/c minimum two time</p> <p style="text-align: center;"><b>WEIGHING PROCEDURE USING PLATFORM SCALES</b></p> <p>The following procedure outlines the method for weighing the airplane on portable or floor level platform scales. The scales may be mechanical beam or electronic. Follow weighing equipment manufacturer's operating instructions.</p> <ol style="list-style-type: none"> <li>1. Zero the platform scales prior to putting the airplane on the scales. All undesirable tare should be off the scales.</li> <li>2. Position the airplane on the scales. The approach should be straight and the airplane should be brought slowly and smoothly to a stop, without applying airplane brakes.</li> <li>3. Inflate or deflate landing gear oleos as required to obtain the desired longitudinal attitude. Check the attitude with the plumb bob.</li> <li>4. Record landing gear oleo extensions.</li> <li>5. Record weight reading obtained from each airplane weight reaction point.</li> <li>6. Remove the airplane from the scales.</li> <li>7. Check the scales for zero load condition.</li> <li>8. Repeat weighing procedure as needed to verify airplane weight.</li> </ol>

ACCOMPLISHED	TASK <b>Operational</b>	AIRCRAFT CARD NO / TITKE <b>08-200-00-W / AIRCRAFT WEIGHING</b>
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# **Boeing 737-300/400/500**

## **MAINTENANCE JOB CARD**

EFFECTIVITY <b>ALL</b>
AIRPLANE CARD NO <b>08-200-00-W</b>

MECH	INSP	
		<p style="text-align: center;"><b>WEIGHING PROCEDURE USING ELECTRONIC LOAD CELLS</b></p> <p>The airplane can be weighed using individual electronic load cells with adapters to interface with ground support equipment jacks and airplane jack points. It is most important that the weighing kit be adequately warmed up and that the airplane, ground support equipment, and weighing cells attain the same even temperature prior to weighing the airplane. Load cells require care in placement to prevent side loads. When using jacks, it is imperative to remove all weighing cell misalignment due to uneven floors or airplane structural deflection.</p> <p>The following procedures outline the method for weighing the airplane with electronic load cells at either of the following:</p> <ul style="list-style-type: none"> <li>• Landing gear axle jack points, or</li> <li>• Primary jacking points.</li> </ul> <p><b><u>LANDING GEAR AXLE JACK POINTS</u></b></p> <p>Follow these procedures when weighing the airplane with electronic load cells at the landing gear axle jack points:</p> <ol style="list-style-type: none"> <li>1. Follow weighing equipment manufacturer's operating instructions.</li> <li>2. Inflate or deflate landing gear oleos as required to obtain the desired longitudinal attitude. Check the attitude with plumb bob.</li> <li>3. Record landing gear oleo extensions.</li> <li>4. Zero electronic weighing equipment prior to raising the airplane.</li> <li>5. Center the jacks, with load cells installed, under the jack points. Proper alignment must be made between load cells and jack points.</li> <li>6. Jack all positions at an even rate, maintaining a level attitude, until tires clear the floor.</li> <li>7. Check airplane level attitude with the plumb bob. If necessary, jack individual points to obtain the desired attitude.</li> <li>8. Record weight reading obtained from each airplane weight reaction point.</li> <li>9. Lower airplane gently to the floor, maintaining a level attitude, until load cells are completely clear of the jack points.</li> <li>10. Check the load cells for zero load condition.</li> <li>11. Repeat weighing procedure as needed to verify airplane weight.</li> </ol>

ACCOMPLISHED	TASK <b>Operational</b>	AIRCRAFT CARD NO / TITKE <b>08-200-00-W / AIRCRAFT WEIGHING</b>
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# Boeing 737-300/400/500 MAINTENANCE JOB CARD

EFFECTIVITY <b>ALL</b>
AIRPLANE CARD NO <b>08-200-00-W</b>

MECH	INSP	
		<p><b><u>PRIMARY JACKING POINTS</u></b></p> <p>Follow these procedures when weighing the airplane with electronic load cells at the primary jacking points:</p> <ol style="list-style-type: none"> <li>1. Follow weighing equipment manufacturer's operating instructions.</li> <li>2. Bleed all air from the nose and main landing gear oleos and install oleo uplocks to prevent the oleos from extending.</li> </ol> <p><b>WARNING:</b> ALL AIR MUST BE REMOVED FROM THE LANDING GEAR OLEOS IF UPLOCKS ARE INSTALLED. IMPROPER OLEO DEFLATION MAY CAUSE OLEO UPLOCK FAILURE.</p> <ol style="list-style-type: none"> <li>3. Level the airplane prior to jacking so the airplane may be raised and lowered evenly on jack points, and minimize side loads. If the airplane attitude is nose down prior to jacking, an optional method of leveling the airplane is to inflate the nose gear oleo. The nose gear oleo would then be allowed to fully extend during the jacking operation.</li> <li>4. Secure the main landing gear trucks, if required, by rope to prevent rotation during the jacking operation.</li> <li>5. Zero electronic weighing equipment prior to raising the airplane.</li> <li>6. Center the jacks, with load cells installed under the jack points. Proper alignment must be made between load cells and jack points.</li> <li>7. Jack all positions at an even rate, maintaining a level attitude, until tires clear the floor.</li> <li>8. Check airplane level attitude with the plumb bob. If necessary, jack individual points to obtain the desired attitude.</li> <li>9. Record weight reading obtained from each airplane weight reaction point.</li> <li>10. Lower airplane gently to the floor, maintaining a level attitude, until load cells are completely free of the airplane.</li> <li>11. Check the load cells for zero load condition</li> <li>12. Repeat weighing procedure as needed to verify airplane weight</li> </ol>
		<p>Return a/c to serviceable conditions</p>

ACCOMPLISHED	TASK <b>Operational</b>	AIRCRAFT CARD NO / TITKE <b>08-200-00-W / AIRCRAFT WEIGHING</b>
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# Boeing 737-300/400/500

## MAINTENANCE JOB CARD

Table 1:

### PRE WEIGHING CHECK LIST

AIRCRAFT : \_\_\_\_\_

REG. No \_\_\_\_\_ ( MSN \_\_\_\_\_ )

THE FOLLOWING ITEMS MUST BE CHECKED BEFORE WEIGHING

<u>GENERAL</u>	<u>Ck'd</u>	<u>GALLEY AREA</u>	<u>Ck'd</u>
1. Battery installation	_____	1. All Galleys clean	_____
2. All radio equipment instl	_____	2. Liquid bottles removed	_____
3. Hyd systems full (All)	_____	3. Food jugs removed	_____
4. Fuel tanks and sumps drained	_____	4. Food & dish drawers removed	_____
5. Oil tanks full	_____	5. Service trays removed	_____
6. All water tanks empty	_____	6. Serving carts removed	_____
7. Close all doors and windows	_____	7. Waste containers inst.	_____
8. All magazines removed	_____	8. Galley equipment (ovens, coffee makers) inst.	_____
9. All headrest covers removed	_____		
10. All printed matter removed	_____		
11. All pillows & blankets removed	_____	<u>LAVATORIES (ALL)</u>	
12. All curtains instl	_____	1. All containers empty	_____
13. Airsickness containers removed	_____	2. All lavatories unserviced (empty)	_____
14. All coat hangers removed	_____	3. All lavatories clean	_____
15. All door escape slides instl	_____		
16. All emergency flashlights instl	_____		
		<u>CARGO COMPARTMENTS</u>	
<u>COCKPIT</u>		1. All compartments clean	_____
1. Headphones and mike's instl	_____	2. All compartments empty	_____
2. Check list and power charts	_____	3. Fly away kit parts removed	_____
3. Log book and manuals instl	_____	4. All doors closed	_____
4. Oxygen mask instl (All)	_____		
5. Life vests instl (Seats)	_____	<u>CHECK LIST</u>	
6. Hand axe instl	_____	1. Equip check list complete	_____
7. Fire ext. instl	_____	2. Scales warmed and zeroed	_____
8. PBE instl	_____	3. Hangar doors closed	_____
		4. Aircraft level	_____
<u>PASSENGER COMPARTMENTS</u>			
1. All oxygen masks onboard	_____		
2. All demo oxy masks onboard	_____		
3. All fire ext onboard	_____		
4. All rugs instl	_____		
5. All curtains instl	_____		
6. All seat belt ext onboard	_____		
7. All seats installed and in upright position	_____		
8. All PBE's instl	_____		
9. All firefighting equipment instl	_____		
10. All Life vests onboard	_____		

The above items have been completed under my supervision

Signed \_\_\_\_\_

Date \_\_\_\_\_

ACCOMPLISHED	TASK	AIRCRAFT CARD NO / TITKE
	Operational	08-200-00-W / AIRCRAFT WEIGHING