

C. Install a Main Wheel

	Detail Steps/Work Items	Key Items/References
(1)	Install the wheel: – Make sure that the axle is clean. – Move the wheel into position on the axle. – Install the castle nut. Tighten the castle nut with 17 - 23 Nm (12 - 17 lbf.ft.) during turning the wheel. Thereafter untighten it completely. Repeat fastening with 5 Nm (3.7 lbf.ft.). Then tighten the wheel nut until split pin fits into next drillhole. – Install the cotter pin.	
(2)	Make sure that the wheel turns freely and with no noise.	No perceptible play in the bearings allowed.
(3)	Move the caliper into position at the wheel. Make sure that the mounting spigots engage with the locating bushes of the torque plate.	Make sure that the pressure plate is correctly located within the caliper.
(4)	Install the back-plates: – Move the back-plates into position at the caliper. – Install the 4 bolts and Washers that attach the back-plates to the caliper, finger tight. – Make sure that the wheel brake disk can rotate freely between the caliper pressure plate and the back-plates. – Tighten the bolts that attach the back-plates to the caliper.	Torque according to Cleveland/Parker Maintenance Manual, latest revision or placard on caliper.
(4)	Install dust shield.	

	Detail Steps/Work Items	Key Items/References
	CAUTION: MAKE SURE THAT THE AREA AROUND THE AIRPLANE IS CLEAR. IF THE LANDING GEAR HITS AN OBJECT THE LANDING GEAR CAN BE DAMAGED. CAUTION: MAKE SURE THAT THE LANDING GEAR IS LOCKED DOWN BEFORE YOU LOWER THE AIRPLANE WITH THE JACKS.	
(5)	Reset the GEAR circuit breaker and make sure that the landing gear selector is set to DOWN.	
(6)	If a tire/wheel change is performed check minimum clearance between MLG tire and the lower wing shell / wheel bay cut-out.	Refer to Section 32-10 - Adjustment of the MLG wheel in retracted position.
(7)	Carry out a test of the correct operation of the landing gear retraction and extension system.	Refer to Section 32-30.
(8)	Move the wing and fuselage trestles clear of the airplane.	
(9)	Lower the airplane with the jacks.	Make sure that the area around the airplane is clear.