

REPUBLIKA NG PILIPINAS  
PAMBANSANG PANGASIWAAN NG PATUBIG  
(NATIONAL Irrigation Administration)  
Lungsod ng Quezon

MC # 019, s. 1989

MEMORANDUM CIRCULAR

T O : ALL ASSISTANT ADMINISTRATORS, DEPARTMENT  
MANAGERS, REGIONAL IRRIGATION MANAGERS,  
OPERATIONS MANAGERS, PROJECT MANAGERS AND  
ALL OTHER CONCERNED  
National Irrigation Administration

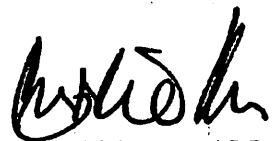
SUBJECT : Revision of MC #43, s. 1987  
Re - Purchase of Spare Parts

To help conserve funds of the National Irrigation Administration, purchase of original or genuine spare parts should be limited to engine and other critical parts only in accordance with the criteria under Annex A together with the listings of spare parts, herewith attached. Replacement parts should be purchased for those not falling within the purview of said criteria.

All RIVs for spare parts should be coursed thru the Equipment Management Department in the Central Office and thru the Equipment Management Division in Field Offices for proper classification and recommendation before approval by the head of office concerned.

The respective procurement units in the Central and Field Offices should not process RIVs that do not bear the appropriate classification but instead endorse same to the Equipment Management Department/Division for that purpose. The classification shall be typed in bold letters on the face of the RIV and initialed/signed by the Equipment Management Department/Division Manager.

This supersedes MC #43, s. 1987 for the same subject matter.

  
FEDERICO N. ALDAY, JR.  
Administrator

MCB/aca

signed 05-09-89

CRITERIA IN THE SELECTION OR DETERMINATION OF PARTS  
TO BE PROCURED AS ORIGINAL OR GENUINE PARTS

1. Parts subjected to any or a combination or all of the following conditions:

Intense heat, high pressure, friction, high speed, heavy loads and shock loads. These are considered the hard working parts.

2. Critical internal parts which are difficult to install as they require intensive work and/or labor. Special parts which are difficult to procure and not available in the locality.
3. Parts of brakes, steering, etc. which affect the safety of the equipment and human life.
4. Precisioned parts that greatly affect the performance of the equipment.

Examples of the above are the following:

A. ENGINE PARTS

1. Overhauling Gasket/Seals
2. Cylinder Liner (Sleeve)
3. Piston Assy
4. Piston Pin
5. Piston Ring
6. Main Bearing/Thrust Washer
7. Conn. Rod/Bearing
8. Cyl. Head Assy
9. Cylinder Body/Block
10. Connecting Rod Assy
11. Oil Pump Assy
12. Crankshaft Assy
13. Valves (Ex, In & Guide/Lock)
14. Timing Gear/Ring Gear and Timing Belt
15. Camshaft & Bushing
16. Water Pump/Repair Kit
17. Manifold
18. Fuel Injection Pipes/Hose
19. Oil System Pipes/Hoses
20. Turbo Charger
21. Filters (All)
22. Injection Pump, Fuel Pump, Nozzle Assy/Tip and Seals and Gasket
23. Engine Support/Insulator
24. Corrosion Resistor
25. Service/Hourmeter
26. Thermostat

B. CLUTCH/TORQUE CONVERTER

1. Disc Assy/Lining
2. Clutch Cover Assy
  - a) Pressure Plate Assy
  - b) Release Lever
  - c) Release Bearing
  - d) Clutch Bearing Sleeve
3. Clutch Master Assy/Repair Kit
4. Clutch Operating Cyl/Assy/Repair Kit
5. Torque Converter Assy/Kit, Bearing & other parts
6. Reverse Clutch Assy./Plate
7. Forward Clutch Assy./Plate

8. Damper

9. Main Clutch Plate/Disc
10. Main Clutch Booster
11. Clutch Booster Assy/Repair Kit

C. POWER TRAIN

1. Main Drive/Shaft
2. Gears
3. Synchronizer
4. Idler Shaft
5. Counter Shaft
6. Torque Flow Transmission Control Valve
7. Lubrication Valve
8. Oil Filter
9. Revolving Machinery Gears, Shafts, bushing, clutch & brake lining for Crane

D. DIFFERENTIAL

1. Diff. Carrier Assy
2. Ring Gear-Pinion Assy
3. Side Gear
4. Pinion Gear

E. STEERING

1. Steering Gears
2. Steering Linkages (Tie Rod and Drag Link & Arms)
3. Steering Pump Assy
4. Steering Cyl. Assy/Repair Kit
5. Steering Clutch/Disc. & Seals Rings
6. Gear Box
7. Oil Filter

F. AXLE/PROPELLER

1. Spider Universal Joint or Cross Joint
2. Propeller Shaft Assy
3. Journal Assy
4. Yoke Assy
5. Axle Shaft Assy Frt. & Rear Kit
6. Spindle Assy

F. (Con't)

7. Knuckle Flange Assy
8. Kingpin Kit
9. Center Bearing & Cushion
10. Torque Rod

G. BRAKE

1. Master Cylinder/Repair Kit
2. Wheel Cyl. Assy/Repair Kit
3. Caliper Assy/Kit
4. Shoe Assy
5. Disc Pad Kit
6. Power Cluster Assy
7. Air Brake Valve Assy/Kit
8. Center Brake Assy
9. Air Master Assy/Kit
10. Air Brake Chamber Assy/Kit
11. Brake Hoses/Pipes
12. Booster/Hydrovac/Kit
13. Cables, Hand Brake

H. PUMPS, MOTORS, CYLINDER (HYDRAULIC)

1. Control Valve Assy/Kit
2. Steering Cylinder/Kit
3. Lift Cylinder Assy/Kit
4. Tilt Cylinder Assy/Kit
5. Arm Cylinder/Kit
6. Boom Cylinder/Kit
7. Bucket Cylinder/Kit
8. Hydraulic Pump Assy/Kit
9. Travel Motor Assy/Kit
10. Swing Motor Assy/Kit
11. O-rings
12. Oil Filter
13. Hydraulic Hose (High Pressure)
14. Hydraulic Cylinders

I. SUSPENSION

1. Ball Joint
2. Needle Bearing, Knuckle
3. Bushing, Lower Arm Suspension
4. Seal Dust, Upper Arm Suspension
5. Stabilizer Link Kit
6. Stabilizer Link Bushing
7. Bushing for Leaf Spring
8. Shackle/U-Bolt Kit and  
Torsonal Bar

J. ELECTRICAL/METER CUSTER

1. Instrument Panel (Meter and  
Gauges)
2. Electric Parts (Switches)
3. High Tension Wire
4. Contact Point
5. Condenser
6. Rectifier/Diode
7. Glow Plug
8. Flasher Unit
9. Relays
10. Wiper Motor

K. UNDER CARRIAGE (CRAWLER TYPE)

1. Track group link/component
2. Track roller/component
3. Carrier or upper roller/  
component
4. Idler Assy/component
5. Sprocket and bolts
6. Recoil Spring
7. Cylinder Assy., Recoil Spring  
Kit
8. Adjuster assy/Kit/Fitting

L. ATTACHMENT

1. End bit, bolts & nuts
2. Cutting edge, bolts & nuts
3. Tooth for buckets, clampshell  
and dragline
4. Bolt & nuts for tooth
5. Accumulator assy for crane

6. All other parts not falling under the above classification shall be considered replacement parts.

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