

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge, tools, and equipment to properly and safely perform diagnoses and repairs. It informs service technicians about conditions that may occur in some vehicles, or provides information that could assist in proper vehicle diagnosis, service, or repair, and does not indicate that a defect is present. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or that a described repair applies to any particular vehicle. There can be multiple causes resulting in the same symptoms or conditions, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis.

SUBJECT:

4P10 Engine Repair vs. Replacement Worksheet

MODELS:

FEC52, FEC72, FEC92, FGB72

DESCRIPTION:

When repairing engine damage, dealers are expected to follow the most economical repair method, regardless of whether the repair is within warranty or is customer pay. If the vehicle is within warranty coverage, and the damage is severe enough to question whether an engine repair is the most economical solution, the dealer must open a Technical Assistance Request (TAR) and submit a 4P10 repair cost comparison worksheet. The Technical Support Center will review the worksheet and the information outlined for 4P10 engine failures in SIB 19-005, and will provide repair guidance accordingly.

The worksheet is located in the TSC Resource Center under “**4P10 Cost Simulator for repair vs replacement**”, and under Service-Publications-Service Forms-“**MFTA-4P10WS**”.

Please note that MFTA supplies large engine components such as cylinder blocks, short engine assemblies, etc. for 4P10 engine repairs when a complete engine assembly replacement is not essential.

WORKSHEET COMPLETION STEPS:

1. Enter the Header Information (blue fields)
 - Dealer Warranty Labor Rate
 - VIN
 - Dealer Code
2. Select the appropriate engine assembly (purple fields)
 - Enter a quantity of 1 in the purple field next to the correct engine assembly part number for the affected vehicle (by VIN)
3. Select the appropriate repair component parts (purple and orange fields)
 - If the repair requires a short engine assembly or bare block, enter a 1 in the purple field next the specific part needed
 - Enter the appropriate quantities of each repair part needed in the orange fields (not to exceed the Max Qty)
 - Supporting evidence (photos, diagnostic printouts, etc.) must be attached to the TAR justifying the repair parts requested
4. In the Labor Summary, confirm the labor totals
 - Confirm that the test drive time is correct (0.5)
 - If additional road testing was performed, click on the 0.5 drop down box and choose the correct test drive time
 - If additional labor time for diagnosis was required, enter the labor hours in the green field
 - Total labor hours will populate based on the selections

Please initial and route to the following personnel before filing.										
Service Mgr.		Warranty Mgr.		Service Technicians - Initial in boxes below.						
Shop Foreman		Parts Mgr.								

This Service Information Bulletin is supplied for information purposes only and is not an authorization for any repairs.

