

entry:

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%mem = getelementptr inbounds %struct.jpeg_compress_struct,  
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 1  
%0 = load %struct.jpeg_memory_mgr*, %struct.jpeg_memory_mgr** %mem, align 8,  
... !tbaa !3  
%alloc_small = getelementptr inbounds %struct.jpeg_memory_mgr,  
... %struct.jpeg_memory_mgr* %0, i64 0, i32 0  
%1 = load i8* (%struct.jpeg_common_struct*, i32, i64)*, i8*  
... (%struct.jpeg_common_struct*, i32, i64)** %alloc_small, align 8, !tbaa !11  
%2 = bitcast %struct.jpeg_compress_struct* %cinfo to  
... %struct.jpeg_common_struct*  
%call = tail call i8* %1(%struct.jpeg_common_struct* %2, i32 1, i64 184) #3  
%entropy1 = getelementptr inbounds %struct.jpeg_compress_struct,  
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 59  
%3 = bitcast %struct.jpeg_entropy_encoder** %entropy1 to i8**  
store i8* %call, i8** %3, align 8, !tbaa !14  
%start_pass = bitcast i8* %call to void (%struct.jpeg_compress_struct*,  
... i32)**  
store void (%struct.jpeg_compress_struct*, i32)* @start_pass_phuff, void  
... (%struct.jpeg_compress_struct*, i32)** %start_pass, align 8, !tbaa !15  
%derived_tbls = getelementptr inbounds i8, i8* %call, i64 120  
%count_ptrs = getelementptr inbounds i8, i8* %call, i64 152  
%4 = bitcast i8* %derived_tbls to <2 x %struct.c_derived_tbl*>*  
store <2 x %struct.c_derived_tbl*> zeroinitializer, <2 x  
... %struct.c_derived_tbl*>* %4, align 8, !tbaa !18  
%5 = bitcast i8* %count_ptrs to <2 x i64*>*  
store <2 x i64*> zeroinitializer, <2 x i64*>* %5, align 8, !tbaa !18  
%arrayidx.2 = getelementptr inbounds i8, i8* %call, i64 136  
%arrayidx3.2 = getelementptr inbounds i8, i8* %call, i64 168  
%6 = bitcast i8* %arrayidx.2 to <2 x %struct.c_derived_tbl*>*  
store <2 x %struct.c_derived_tbl*> zeroinitializer, <2 x  
... %struct.c_derived_tbl*>* %6, align 8, !tbaa !18  
%7 = bitcast i8* %arrayidx3.2 to <2 x i64*>*  
store <2 x i64*> zeroinitializer, <2 x i64*>* %7, align 8, !tbaa !18  
%bit_buffer = getelementptr inbounds i8, i8* %call, i64 104  
%8 = bitcast i8* %bit_buffer to i8**  
store i8* null, i8** %8, align 8, !tbaa !19  
ret void
```

CFG for 'jinit_phuff_encoder' function