

entry:

```
%prep1 = getelementptr inbounds %struct.jpeg_compress_struct,  
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 53  
%0 = bitcast %struct.jpeg_c_prep_controller** %prep1 to  
... %struct.my_prep_controller**  
%1 = load %struct.my_prep_controller*, %struct.my_prep_controller** %0,  
... align 8, !tbaa !3  
%cmp = icmp eq i32 %pass_mode, 0  
br i1 %cmp, label %if.end, label %if.then, !prof !11
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if.then:

```
%err = getelementptr inbounds %struct.jpeg_compress_struct,  
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 0  
%2 = load %struct.jpeg_error_mgr*, %struct.jpeg_error_mgr** %err, align 8,  
... !tbaa !12  
%msg_code = getelementptr inbounds %struct.jpeg_error_mgr,  
... %struct.jpeg_error_mgr* %2, i64 0, i32 5  
store i32 4, i32* %msg_code, align 8, !tbaa !13  
%error_exit = getelementptr inbounds %struct.jpeg_error_mgr,  
... %struct.jpeg_error_mgr* %2, i64 0, i32 0  
%3 = load void (%struct.jpeg_common_struct*)*, void  
... (%struct.jpeg_common_struct**) %error_exit, align 8, !tbaa !16  
%4 = bitcast %struct.jpeg_compress_struct* %cinfo to  
... %struct.jpeg_common_struct*  
tail call void @%3(%struct.jpeg_common_struct* %4) #3  
br label %if.end
```

if.end:

```
%image_height = getelementptr inbounds %struct.jpeg_compress_struct,  
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 7  
%5 = load i32, i32* %image_height, align 4, !tbaa !17  
%rows_to_go = getelementptr inbounds %struct.my_prep_controller,  
... %struct.my_prep_controller* %1, i64 0, i32 2  
store i32 %5, i32* %rows_to_go, align 8, !tbaa !18  
%next_buf_row = getelementptr inbounds %struct.my_prep_controller,  
... %struct.my_prep_controller* %1, i64 0, i32 3  
store i32 0, i32* %next_buf_row, align 4, !tbaa !21  
%this_row_group = getelementptr inbounds %struct.my_prep_controller,  
... %struct.my_prep_controller* %1, i64 0, i32 4  
store i32 0, i32* %this_row_group, align 8, !tbaa !22  
%max_v_samp_factor = getelementptr inbounds %struct.jpeg_compress_struct,  
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 39  
%6 = load i32, i32* %max_v_samp_factor, align 4, !tbaa !23  
%mul = shl nsw i32 %6, 1  
%next_buf_stop = getelementptr inbounds %struct.my_prep_controller,  
... %struct.my_prep_controller* %1, i64 0, i32 5  
store i32 %mul, i32* %next_buf_stop, align 4, !tbaa !24  
ret void
```

CFG for 'start\_pass\_prep' function